

2. MEMBERSHIP OF COMMISSIONS

COMMISSION No. 4
EPHEMERIDES (EPHEMERIDES)

President : MORANDO BRUNO L DR
Vice-President(s) : SEIDELMANN P KENNETH DR

Organizing Committee: ABALAKIN VICTOR K DR
AOKI SHINKO PROF
CHAPRONT JEAN DR
DUNCOMBE RAYNOR L DR
LEDERLE TRUDPERT DR
LIESKE JAY H DR
YALLOP BERNARD D DR
YAMAZAKI AKIRA DR

Members:

ARIAS DE GREIFF J PROF	ARLOT JEAN-EUDES	BANDYOPADHYAY A DR
BEC-BORSENBERGER ANNICK	BRETAGNON PIERRE DR	BRUMBERG VICTOR A DR
CAPITAINE NICOLE	CATALAN MANUEL DR	CHOLLET FERNAND DR
DE CASTRO ANGEL DR	DEPRIT ANDRE PROF	DI XIAO-HUA
DICKEY JEAN O'BRIEN	DUNHAM DAVID W	EMERSON BRIAN MR
FIALA ALAN D DR	FOMINOV ALEXANDR M DR	FRICKE WALTER PROF DR
FURSENKO M A DR	GLEBOVA NINA I DR	GONDOLATSCH FRIEDRICH PRF
HAUPT RALPH F	HENRRAD JACQUES PROF	ILYAS MOHAMMAD DR
JANICZEK PAUL M DR	JOHNSTON KENNETH J	KING ROBERT WILSON JR DR
KINOSHITA HIROSHI DR	KLEPCZYNSKI WILLIAM J DR	KOLACZEK BARBARA DR
KRASINSKY GEORGE A DR	KUBO YOSHIO	LAHIRI N C
LI GI MAN	LI HYOK HO	LI NENG-YAO
LIU BAO-LIN	MORRISON LESLIE V	MUELLER IVAN I PROF
O'HANDLEY DOUGLAS A DR	OESTERWINTER CLAUS	REASENBERG ROBERT D DR
ROMERO PEREZ M PILAR	ROSSELLO GASPAR	SCHWAN HEINER DR
SHAPIRO IRWIN I PROF	SIMON JEAN-LOUIS MR	SINZI AKIRA M DR
SOCHILINA ALLA S DR	STANDISH E MYLES DR	TAYLOR GORDON E
TING YEOU-TSWEN	VAN FLANDERN THOMAS DR	WACKERNAGEL H BEAT DR
WILKINS GEORGE A DR	WILLIAMS JAMES G DR	WINKLER GERNOT M R DR
XIAN DING-ZHANG	ZHAO XIAN-ZI	

COMMISSION No. 5

DOCUMENTATION AND ASTRONOMICAL DATA

(DOCUMENTATION ET DONNEES ASTRONOMIQUES)

President : WILKINS GEORGE A DR

Vice-President(s) : WAUCK BERNARD PROF

Organizing Committee: DLUZHNEVSKAYA O B DR
 HEINTZ WULFF D DR
 JASCHEK CARLOS O R PROF
 LANTOS PIERRE DR
 MITTON SIMON DR
 SPITE FRANCOIS M DR
 WAYMAN PATRICK A PROF
 WESTERHOUT GART DR
 WORLEY CHARLES E

Members:

ABALAKIN VICTOR K DR	ABT HELMUT A DR	BAKER NORMAN H PROF
BENACCHIO LEOPOLDO	BESSELL MICHAEL S DR	BIDELMAN WILLIAM P PROF
BOUSKA JIRI DR	DAVIS MORRIS S PROF	DAVIS ROBERT J DR
DEWHIRST DAVID W DR	DICKEL HELENE R DR	DIXON ROBERT S DR
DUCATI JORGE RICARDO DR	DUNCOMBE RAYNOR L DR	EGRET DANIEL DR
FRICKE WALTER PROF DR	GARSTANG ROY H PROF	GRIFFIN ROGER F DR
GROSBOL PREBEN JOHNSON DR	HARTLEY KENNETH F DR	HECK ANDRE DR
HEFELE HERBERT PH D	HEINRICH INGE	JENKNER HELMUT DR
KADLA ZDENKA I DR	KALBERLA PETER	KLECZEK JOSIP DR
LEDERLE TRUDPERT DR	LEQUEUX JAMES DR	LORTET MARIE CLAIRE
LYNGA GOSTA DR	MARTYNOV D YA PROF DR	MCNAMARA DELBERT H DR
MEAD JAYLEE MONTAGUE DR	MEADOWS A JACK PROF	MEIN PIERRE
MERMILLIOD JEAN-CLAUDE DR	NISHIMURA SHIRO DR	OCHSENBEIN FRANCOIS DR
OGORODNIKOV KYRILL P PROF	PAMYATNIKH A A DR	PASINETTI LAURA E PROF
PECKER JEAN-CLAUDE PROF	PHILIP A G DAVIS	RADLOVA L N DR
REMY BATTIAU LILIANE G A	RENSON P F M DR	SCHMADEL LUTZ D DR
SCHMIDT K H DR	SEDMAK GIORGIO PROF	SHAKESHAFTH JOHN R DR
SHCHERBINA-SAMOJLOVA I DR	TERASHITA YOICHI PROF	TRITTON SUSAN BARBARA
UESUGI AKIRA DR	VELGHE ALBERT G PROF DR	VOIGT HANS H PROF
WALLACE PATRICK T MR	WARREN WAYNE H JR DR	WEIDEMANN VOLKER PROF
WELLS DONALD C III DR		

COMMISSION No. 6

ASTRONOMICAL TELEGRAMS (TELEGRAMMES ASTRONOMIQUES)

President : MRKOS ANTONIN DR
Vice-President (s) : ROEMER ELIZABETH PROF
Organizing Committee: MARSDEN BRIAN G DR

Members:

BIRAUD FRANCOIS DR	CANDY MICHAEL P MR	CESCO CARLOS DR
CUNNINGHAM LELAND E PROF	EVERHART EDGAR DR	GRINDLAY JONATHAN E DR
HERS JAN MR	KOZAI YOSHIHIDE PROF	MARTYNOV D YA PROF DR
NAKANO SYUICHI	POUNDS KENNETH A PROF	ROSINO LEONIDA PROF
XIE GUANG-ZHONG		

COMMISSION No. 7

CELESTIAL MECHANICS (MECANIQUE CELESTE)

President : BRUMBERG VICTOR A DR

Vice-President(s) : HENRARD JACQUES PROF

Organizing Committee: BATRAKOV YU V DR
 BHATNAGAR K B DR
 CANDY MICHAEL P MR
 CHAPRONT JEAN DR
 DEPRIT ANDRE PROF
 FERRAZ-MELLO S PROF DR
 MADJIDEMETRIOU JOHN D
 KINOSHITA HIROSHI DR
 KOVALEVSKY JEAN DR
 SCHOLL HANS DR
 SEIDELMANN P KENNETH DR
 SINCLAIR ANDREW T DR
 YI ZHAO-HUA

Members:

ABALAKIN VICTOR K DR	AHMED MOSTAFA	AKSENOV E P PROF DR
AKSNES KAARE DR	ALTAVISTA CARLOS A DR	ANTONACOPOULOS GREG PROF
AOKI SHINKO PROF	BAGHOS BALEGH B DR	BALMINO GEORGES G DR
BARBERIS BRUNO	BEC-BORSENBARGER ANNICK	BENEST DANIEL DR
BETTIS DALE G PROF	BOIGEY FRANCOISE	BOZIS GEORGE PROF
BRETAGNON PIERRE DR	BRIEVA EDUARDO PROF	BROOKES CLIVE J DR
BROUCKE ROGER DR	CALAME ODILE DR	CARANICOLAS NICHOLAS DR.
CEFOLA PAUL J DR	CHAPRONT-TOUZE MICHELLE	CHEN ZHEN
CHOI KYU-HONG	CID PALACIOS RAFAEL PROF	CONTOPOULOS GEORGE PROF
COOK ALAN H PROF	COUNSELMAN CHARLES C PROF	CUI CHUNFANG
CUI DOU-XING	CUNNINGHAM LELAND E PROF	DANBY J M ANTHONY DR
DAVIS MORRIS S PROF	DEMIN V G PROF DR	DIN HUA
DORMAND JOHN RICHARD DR	DROZYNER ANDRZEJ	DUBOSHIN G N PROF DR
DUNCOMBE RAYNOR L DR	DVORAK RUDOLF DR	EICHORN HEINRICH K DR
ELIPE SANCHEZ ANTONIO	ELYASBERG P E PROF DR	EMELIANOV NIKOLAJ V DR
ERDI B DR	EVERHART EDGAR DR	FABRE HERVE DR
FARINELLA PAOLO DR	FERNANDEZ SILVIA M. DR	FERRER MARTINEZ SEBASTIAN
FIALA ALAN D DR	FONG CHU-GANG	FROESCHLE CLAUDE DR
GALIBINA I V DR	GALLETTO DIONIGI	GAPOSCHKIN EDWARD M DR
GARFINKEL BORIS DR	GASKA STANISLAW DR	GIACAGLIA GIORGIO E PROF
GOLDREICH P DR	GONZALEZ CAMACHO ANTONIO	GOUDAS CONSTANTINE L PROF
GREBENIKOV E A PROF DR	GREENBERG RICHARD DR	GROUSHINSKY N P PROF DR
HAMID S EL DIN DR	HANSLMEIER ARNOLD	HE MIAO-FU
HEGGIE DOUGLAS C DR	HELALI YHYA E DR	HENON MICHEL C DR
HORI GENICHIRO PROF	HUANG TIANYI	IVANOVA VIOLETA DR
IZVEKOV V A DR	JANICZEK PAUL M DR	JEFFERYS WILLIAM H DR
JOURNET ALAIN	JOVANOVIC BOZIDAR	JUPP ALAN H DR
KATSIS DEMETRIUS DR	KAULA WILLIAM M PROF	KHOLSHEVNIKOV K V DR
KING-HELE DESMOND G DR	KOZAI YOSHIHIDE PROF	KRASINSKY GEORGE A DR
KUSTAAANHEIMO PAUL E PROF	LALA PETR DR	LAZOVIC JOVAN P PROF
LEMAITRE ANNE DR	LIESKE JAY H DR	LU BEN-KUI
LUNDOUIST CHARLES A DR	MAGNARADZE N G DR	MARCHAL CHRISTIAN DR

MARKELLOS VASSILIS V DR	MARSDEN BRIAN G DR	MATAS VLADIMIR R DR
MAVRAGANIS A G PROF	MEIRE RAPHAEL	MELBOURNE WILLIAM G DR
MERMAN G A DR	MESSAGE PHILIP J DR	MIGNARD FRANCOIS DR
MIKKOLA SEppo DR	MILANI ANDREA	MOHLER ORREN C PROF
MOONS MICHELE B M M	MORANDO BRUNO L DR	MULHOLLAND J DERRAL DR
MURRAY CARL D	MUSEN PETER DR	MYACHIN V F DR
NACOZY PAUL E DR	NAHON FERNAND PROF	NOBILI ANNA M
NOSKOV BORIS N DR	NOVOSELOV V S PROF DR	O'HANDLEY DOUGLAS A DR
OESTERWINTER CLAUS	OMAROV TUKEN B PROF	ORUS JUAN J PROF
OSORIO JOSE J S P PROF	PAL ARPAD PROF DR	PEALE STANTON J PROF
PETROVSKAYA M S DR	PIERCE A KEITH DR	POPOVIC BOZIDAR PROF DR
ROBINSON WILLIAM J DR	ROY ARCHIE E PROF	RYABOV YU A PROF DR
SAGNIER JEAN-LOUIS DR	SCHUBART JOACHIM DR	SCONZO PASQUALE DR
SEHNAL LADISLAV DR	SESSIN WAGNER DR	SHAPIRO IRWIN I PROF
SHARAF SH G DR	SHTEINS K A DR	SIDLICHOVSKY MILOS DR
SIMA ZDISLAV DR	SIMON JEAN-LOUIS MR	SIRY JOSEPH W
STANDISH E MYLES DR	STELLMACHER IRENE DR	SULTANOV G F ACAD
SUN YI-SUI	SZEBEHELY VICTOR G PROF	TATEVYAN S K DR
TAWADROS MAHET JACOB DR	TAYLOR DONALD BOGGIA DR	THIRY YVES R PROF
TONG FU	VALTONEN MAURI J PROF	VARVOGLIS H DR
VASHKOV'YAK SOF'YA N DR	VEILLET CHRISTIAN	VILHENA DE MORAES R DR
VINTI JOHN P DR	WALCH JEAN-JACQUES	WALKER IAN WALTER
WILLIAMS CAROL A	WNUK EDWIN	WU LIAN-DA
XU PINXIN	YAROV-YAROVOJ M S DR	YOSHIDA HARUO
YOSHIDA JUNZO PROF	YUASA MANABU DR	ZARE KHALIL DR
ZHANG SHENG-PAN	ZHAO XIAN-ZI	ZHENG JIA-QING
ZHENG XUE-TANG	ZHOU HONG-NAN	ZHU WEN-YAO

COMMISSION No. 8

POSITIONAL ASTRONOMY (ASTRONOMIE DE POSITION)

President : REQUIEME YVES DR
 Vice-President(s) : MIYAMOTO MASANORI DR

Organizing Committee: BENEVIDES SOARES P DR
 DUMA DMITRIJ P DR
 HELMER LEIF
 HUGHES JAMES A DR
 LINDEGREN LENNART DR
 LUO DING-JIANG
 NOEL FERNANDO
 PINIGIN GENNADIJ I DR
 QUIJANO LUIS
 SADZAKOV SOFIJA DR
 SCHWAN HEINER DR
 SMITH CLAYTON A JR DR
 YOSHIZAWA MASANORI DR

Members:

ANGUITA CLAUDIO A DR	ARGYRAKOS JEAN PROF DR	BACCHUS PIERRE PROF
BACKER DONALD CH DR	BAGILDINSKIJ BRONISLAV K	BEM JERZY DR
BIEN REINHOLD DR	BILLAUD GERARD J	BRANHAM RICHARD L JR
BROUW W N DR	BYKOV M F DR	CARESTIA REINALDO A DR
CARRASCO GUILLERMO DR	CHA DU JIN	CHAMBERLAIN JOSEPH M DR
CHERNEGA N A A DR	CHIUMIENTO GIUSEPPE	CHLISTOVSKY FRANCA DR
CHOLLET FERNAND DR	CLAUZET LUIZ B FERREIRA	CORBIN THOMAS ELBERT DR
COSTA EDGARDO DR	COUNSELMAN CHARLES C PROF	CRIFO FRANCOISE DR
DAMBARA TAKESHI PROF	DE VEGT CH PROF DR	DEBARBAT SUZANNE V DR
DEJAIFFE RENE J DR	DICK STEVEN J	DJUROVIC DRAGUTIN M DR
DRAVSKIKH A F DR	DUNCOMBE RAYNOR L DR	EICHORN HEINRICH K DR
FABRICIUS CLAUDIUS V	FEDOROVA RIMMA T DR	FEISSEL MARTINE DR
FOGH OLSEN H J	FOMIN VALERY A DR	FRICKE WALTER PROF DR
GAUSS F STEPHEN	GLIESE WILHELM DR	GRUDLER PIERRE
GUBANOV VADIM S DR	GULYAEV A P DR	HARWOOD DENNIS MR
HEINTZ WULFF D DR	HEMENWAY PAUL D	HOEG ERIK DR
HU NING-SHENG	HUA YING-MIN	HURUKAWA KIICHIRO DR
JACKSON PAUL DR	JIANG CHONG-GUO	JOHNSTON KENNETH J
JOURNET ALAIN	KHARIN A S DR	KLOCK B L DR
KOKURIN YURIJ L DR	KONIN V V DR	KOSIN GENNADIJ S DR
KOVALEVSKY JEAN DR	LACLARE F MR	LACROUTE PIERRE A PROF
LAUSTSEN SVEND DR	LEDERLE TRUDPERT DR	LI DONG-MING
LI NENG-YAO	LI ZHI-FANG	LI ZHIGANG
LOPEZ JOSE A ING	LOYOLA PATRICIO DR	LU CHUN-LIN
MANRIQUE WALTER T PROF	MAO WEI	MAVRIDIS L N PROF
MELCHIOR PAUL J PROF DIR	MIAO YONG-KUAN	MITIC LJUBISA A DR
MORRISON LESLIE V	MURRAY C ANDREW	NEFEDEVA ANTONINA I PROF
NEMIRO ANDREJ A DR PROF	NIKOLOFF IVAN DR	OSORIO JOSE J S P PROF
PERRYMAN MICHAEL A C	PETROV G M DR	PHAM-VAN JACQUELINE MME
PILOWSKI K PROF DR	PODOBED V V DR	POLNITZKY GERHARD DR
POLOZHENTSEV DIMITRIJ DR	POMA ANGELO DR	PROVERBIO EDOARDO PROF

QIAN ZHI-HAN DR	RAIMOND ERNST DR	REIZ ANDERS PROF
ROBERTSON WILLIAM H	ROESER SIEGFRIED DR	ROUSSEAU JEAN-MICHEL MR
RUSSELL JANE L DR	RUSU I DR	SALETIC DUSAN
SANCHEZ MANUEL	SATO KOICHI DR	SCHMEIDLER F PROF DR
SEVARLIC BRANISLAV M PROF	SHEN KAIXIAN	SHI GUANG-CHEN
SIMS KENNETH P DR	SOEDERHJELM STAFFAN DR	SOLARIC NIKOLA
STANGE LOTHAR	STONE RONALD CECIL	TELEKI GEORGE DR
THOBURN CHRISTINE	THOMAS DAVID V DR	WALLACE PATRICK T MR
WALTER HANS G DR	WIELEN ROLAND PROF DR	XIA YI-FEI
XIE LIANGYUN	XU BANG-XIN	XU TONG-QI
YAMAZAKI AKIRA DR	YASUDA HARUO PROF DR	YATSKIV YA S DR
YE SHU-HUA	YU KYUNG-LOH PROF	ZHANG HUI
ZVEREV MITROFAN S PROF DR		

COMMISSION No. 9

INSTRUMENTS AND TECHNIQUES (INSTRUMENTS ET TECHNIQUES)

President : HUMPHRIES COLIN M DR

Vice-President(s) : DAVIS JOHN DR

Organizing Committee: BHATTACHARYYA J C PROF
 ENGVOLD ODDBJOERN DR
 FORT BERNARD P DR
 HU NING-SHENG
 LIVINGSTON WILLIAM C
 MALIN DAVID F MR
 STESHENKO N V DR
 TULL ROBERT G
 WALKER GORDON A H PROF
 WILCOCK WILLIAM L PROF
 WLERICK GERARD DR

Members:

ABLES HAROLD D DR	AIME C DR	ALBRECHT RUDOLF DR
APARICI JUAN DR	ARNAUD JEAN	ATHERTON PAUL DAVID
BABCOCK HORACE W DR	BAO KEREN	BARANNE A DR
BARROSO JR JAIR	BARWIG HEINZ	BAUM WILLIAM A DR
BEER REINHARD DR	BENSAMMAR SLIMANE DR	BINGHAM RICHARD G DR
BLITZSTEIN WILLIAM DR	BONNEAU DANIEL	BORGNINO JULIEN DR
BOYCE PETER B DR	BRAULT JAMES W DR	BRECKINRIDGE JAMES B DR
BREJDO IZABELLA I DR	BURTON W BUTLER DR	CAMPBELL BRUCE DR
CAO CHANGXIN	CHARVIN PIERRE PR	CHELLI ALAIN
CHRISTY JAMES WALTER DR	CLARKE DAVID DR	COHEN RICHARD S
COOKE JOHN ALAN	CORNEJO ALEJANDRO A DR	CRAWFORD DAVID L DR
CURRIE DOUGLAS G DR	DAN XHI-XIANG	DESAI JYOTINDRA N
DOBRONRAVIN PETER DR	DOKUCHAEVA OLGA D DR	DRAVINS DAINIS PROF
DREHER JOHN W	DUCHESNE MAURICE DR	DUNKELMAN LAWRENCE
EDWIN ROGER P	FABRICANT DANIEL G	FEHRENBACH CHARLES PROF
FELLGETT PETER PROF	FLETCHER J MURRAY	FOMENKO ALEXANDR F DR
FORD W KENT JR DR	FOY RENAUD DR	FU DELIAN
GALAN MAXIMINO J	GAO BILIE	GAUSS F STEPHEN
GAY JEAN DR	GILLINGHAM PETER MR	GLASS IAN STEWART DR
GONG SHOU-SHEN	GRAY PETER MURRAY	GRIFFITHS RICHARD E DR
GRIGORJEV VICTOR M DR	GRUNDMANN WALTER	GUTCKE DIETRICH
HALLAM KENNETH L DR	HAMMERSCHLAG ROBERT H DR	HAO YUN-XIANG
HARMER CHARLES F W MR	HARMER DIANNE L MRS	HECKATHORN HARRY M
HEUDIER JEAN-LOUIS DR	HEWITT ANTHONY V DR	HILLIARD R DR
HONEYCUTT R KENT PROF	HOOGHOUTD B G IR	HU JING-YAO
HUANG TIE-QIN	HYSOM EDMUND J	ILYAS MOHAMMAD DR
IOANNISIANI B K DR	ISMAILOV TOFIK K	JAYARAJAN A P MR
JEFFERS STANLEY DR	JELLEY JOHN V PHD	JENKNER HELMUT DR
JIANG SHI-YANG	JONES BARBARA	KARACHENTSEV I D DR
KARPINSKIJ VADIM N DR	KIPPER TONU DR	KISSELL KENNETH E DR
KLOCK B L DR	KOEHLER H PROF DR	KOEHLER PETER
KOPYLOV I M DR	KOROVYAKOVSKIJ YURIJ P DR	KOVACHEV B J DR
KREIDL TOBIAS J N	KUEHNE CHRISTOPH F	LABEYRIE ANTOINE DR

LAQUES PIERRE DR	LASKER BARRY M DR	LELIEVRE GERARD DR
LEMAITRE GERARD R DR	LI DEPEI	LI TING
LOCHMAN JAN	LYNCH DAVID K	MACK PETER
MAHRA H S DR	MAILLARD JEAN-PIERRE DR	MARTINS DONALD HENRY DR
MCGEE JAMES D PROF	MCMULLAN DENNIS DR	MEINEL ADEM B PROF
MENG XINMIN	MERTZ LAWRENCE N DR	MIKHELSON NIKOLAJ N DR
MILLIKAN ALLAN G MR	MINAROVJECH MILAN	MORGAN BRIAN LEALAN
MORTON DONALD C DR	MURRAY STEPHEN S DR	NAKAI YOSHIHIRO
NELSON JERRY	NIEMI AIMO	NIKONOV V B DR
NISHIMURA SHIRO DR	NUNES ROGERIO S DE SOUSA	O'DELL CHARLES R DR
ODGERS GRAHAM J DR	PASIAN FABIO	PENNY ALAN JOHN DR
PERRYHAM MICHAEL A C	PETFORD A DAVID DR	PICAT JEAN-PIERRE DR
PRITCHET CHRISTOPHER J DR	PROKOF'EVA VALENTINA V DR	RACINE RENE DR
RAKOS KARL D PROF	RAMSEY LAWRENCE W DR	REAY NEWRICK K DR
RICHARDSON E HARVEY DR	RING JAMES PROF	ROBINSON LLOYD B DR
RODDIER CLAUDE DR	RODDIER FRANCOIS PROF	ROSCH JEAN PROF
RUDER HANNS	RUSCONI LUIGIA DR	RYLOV VALERIJ S DR
SANCHEZ MAGRO C DR	SAXENA A K DR	SCHROEDER DANIEL J PROF
SCHULTZ G V DR	SCHUMANN JOERG DIETER DR	SCHUSTER HANS-EMIL
SEDMAK GIORGIO PROF	SERVAN BERNARD	SHAKHBAZYAN YURIJ L DR
SHCHEGLOV P V DR	SHEN CHANGJUN	SHEN PARN-AN
SHIVANANDAN KANDIAH DR	SIM MARY E MISS	SMITH CHARLES DITTO
SMYTH MICHAEL J DR	SNEZHKO LEONID I	STOREY JOHN W V DR
SU DING-QIANG	SWINGS JEAN-PIERRE DR	TANGO WILLIAM J. DR
TRAUB WESLEY ARTHUR	TUEG HELMUT DR	ULICH BOBBY LEE
VALNICEK BORIS DR	VAN CITTERS GORDON W DR	VELKOV KIRIL
VLADIMIROV SIMEON	VRBA FREDERICK J DR	WALKER ALISTAIR ROBIN DR
WALKER MERLE F PROF	WALLACE PATRICK T MR	WAMPLER E JOSEPH PROF
WANG LAN-JUAN	WANG YANAN	WANG YIMING
WATSON FREDERICK GARNETT	WEST RICHARD M DR	WESTPHAL JAMES A PROF
WOEHL HUBERTUS DR	WORDEN SIMON P DR	WORSWICK SUSAN
WU LIN-XIANG	WYLLER ARNE A PROF	WYNNE CHARLES G PROF
YANG SHI JIE	YAO ZHENG-QIU	YE BINXUN
ZACHAROV IGOR DR	ZAMBON GIULIO	ZEALEY WILLIAM J DR
ZHANG YOUYI	ZHU NENGHONG	

COMMISSION No. 10

SOLAR ACTIVITY (ACTIVITE SOLAIRE)

President : PICK MONIQUE DR
 Vice-President(s) : PRIEST ERIC R PROF

Organizing Committee: ALISSANDRAKIS C PH D
 FALCIANI ROBERTO DR
 HIRAYAMA TADASHI PROF
 KANE SHARAD R DR
 KAUFMANN PIERRE PROF
 KUKLIN G V DR
 VALNICEK BORIS DR
 VINOD S KRISHAN MRS DR
 ZHANG BAI-RONG

Members:

ABBASOV ALIK R DR	ABRAMI ALBERTO PROF	AHLUWALIA HARJIT SINGH DR
AI GUOXIANG	ALTROCK RICHARD C DR	ALTSCHULER MARTIN D PROF
ALY M KHAIRY PROF	AMBROZ PAVEL DR	ANDERSON KINSEY A PROF
ANTALOVA ANNA	ANTIOCHOS SPIRO KOSTA	ATHAY R GRANT DR
AVIGNON YVETTE DR	BAGARE S P DR	BALLI EDIBE PROF
BANIN V G DR	BARROW COLIN H DR	BATES J RAPHAEL
BECKERS JACQUES M DR	BEEBE HERBERT A	BELL BARBARA DR
BELVEDERE GAETANO DR	BENZ ARNOLD DR	BHATNAGAR ARVIND DR
BOCCHIA ROMEO DR	BOHN HORST-ULRICH	BONOV ANGEL DR
BOUGERET J L DR	BOYER RENE	BRANDT PETER N
BRAY ROBERT J DR	BROWN JOHN C PROF	BRUECKNER GUENTER E DR
BRUNER MARILYN E DR	BRUZEK ANTON DR	BUMBA VACLAV DR
CADEZ VLADIMIR	CANE HILARY VIVIE	CARLQVIST PER A DR
CHAMBE GILBERT	CHAPMAN GARY A DR	CHEN BIAO
CHEN ZHENCHENG	CHENG CHUNG-CHIEH DR	CHERTOPRUD V E DR
CHIUDERI-DRAGO FRANCA PR	CHUPP EDWARD L DR	CIMINO MASSIMO A PROF
CLIVER EDWARD W	COFFEY HELEN E MS	COOK JOHN W
COUTREZ RAYMOND A J PROF	COVINGTON ARTHUR E	CRANNELL CAROL JO DR
CSADA IMRE K DR	CULHANE LEONARD PROF	DATLOWE DAYTON DR
DE GROOT T DR	DE JAGER CORNELIS PROF	DENNIS BRIAN ROY DR
DERE KENNETH PAUL	DEUBNER FRANZ-LUDWIG DR	DEZSO LORANT PROF
DING YOU-JI	DIZER MUAMMER PROF	DOLLFUS AUDOUIN PROF
DRYER MURRAY DR	DUBOIS MARC A	DUBOV EMIL E PROF
DULK GEORGE A PROF	DUNCAN ROBERT A PROF	DUNN RICHARD B DR
DWIVEDI BHOLA NATH DR	EDDY JOHN A DR	ELSTE GUNTHER H DR
ELWERT GERHARD PROF	EMSLIE A. GORDON	ENGVOLD ODDBJOERN DR
ENOME SHINZO PROF	ERICKSON WILLIAM C DR	FALCHI AMBRETTE
FANG CHENG	FARNIK FRANTISEK	FEIBELMAN WALTER A DR
FENG KE-JIA	FOKKER AAD D DR	FORTINI TERESA DR
FOSSAT ERIC DR	FRIEDMAN HERBERT DR	FRITZOVA-SVESTKA L DR
GABRIEL ALAN H	GAIZASKAS VICTOR DR	GALLOWAY DAVID DR
GARCIA DE LA ROSA JOSE I	GELFREIKH GEORGIJ B DR	GERGELY TOMAS ESTEBAN DR
GILLILAND RONALD LYNN	GILMAN PETER A DR	GLATZMAIER GARY A
GLEISSBERG WOLFGANG PROF	GNEVYSHEVA RAISA S DR	GODOLI GIOVANNI PROF
GOKHALE MORESHWAR HARI PR	GOPASYUK S I DR	GU XIAO-MA

GURTOVENKO E A DR	HAGEN JOHN P	HAGYARD MONA JUNE
HAMMER REINER	HANASZ JAN DR	HANSEN RICHARD T MR
HANSLMEIER ARNOLD	HARVEY JOHN W DR	HAUG EBERHARD DR
HAYWARD JOHN	HEDEMAN E RUTH	HENOUX JEAN-CLAUDE DR
HEYDEN FRANCIS J SJ DR	HIEI EIJIRO DR	HILDNER ERNEST DR
HOLZER THOMAS EDWARD DR	HONG HYON IK	HOOD ALAN
HOWARD ROBERT F DR	HOYNG PETER DR	HUANG YOU-RAN
HUDSON HUGH S DR	HURFORD GORDON JAMES	HYDER C L DR
IOSHPA B A DR	IVANCHUK VICTOR I DR	JAKIMIEC JERZY PROF
JENSEN EBERHART PROF	JOCKERS KLAUS DR	JONES HARRISON PRICE DR
JORDAN STUART D DR	KABURAKI OSAMU DR	KAHLER STEPHEN W DR
KAI KEIZO DR	KALMAN BELA DR	KANG JIN SOK
KANNO MITSUO PROF	KARLICKY MARIAN	KARPEN JUDITH T
KJELDSETH-MOE OLAV DR	KLECZEK JOSIP DR	KLVANA MIROSLAV
KNOSKA STEFAN	KOECKELENBERGH ANDRE DR	KOPECKY MILOSLAV DR
KOSTIK ROMAN I	KOTRC PAVEL	KOUTCHMY SERGE DR
KOVACS AGNES DR	KRAUSE F DR	KRIVSKY LADISLAV DR
KRUEGER ALBRECHT DR	KUBOTA JUN DR	KUENZEL HORST
KUNDU MUKUL R DR	KUPERUS MAX PROF DR	KUROCHKA L N DR
KUROKAWA HIROKI DR	LANDECKER PETER BRUCE DR	LANDMAN DONALD ALAN DR
LANG KENNETH R ASST PROF	LEIBACHER JOHN DR	LEROY JEAN-LOUIS
LI CHUN-SHENG	LI SON JAE	LI WEI BAO
LIN YUANZHANG	LIVSHITS M A DR	LOUGHHEAD RALPH E DR
LOW BOON CHYE	LUO BAO-RONG	LUO XIANHAN
MACKINNON ALEXANDER L	MACQUEEN ROBERT M DR	MACRIS CONSTANTIN J PROF
MAKAROV VALENTINE I	MAKITA MITSUGU DR	MALITSON HARRIET H MS
MALTBY PER PROF	MALVILLE J MCKIM PROF	MANDELSTAM S L PROF
MARTRES MARIE-JOSEPHE	MASON GLENN M	MATSUURA OSCAR T DR
MATTIG W PROF DR	MAXWELL ALAN DR	MCCABE MARIE K MS
MCKENNA LAWLOR SUSAN	MCLEAN DONALD J DR	MEIN PIERRE
MELROSE DONALD B PROF	MERGENTALER JAN PROF	MICHALITSIANOS ANDREW
MICHARD RAYMOND DR	MOGILEVSKIJ EH I DR	MOHLER ORREN C PROF
MOISEEV I G DR	MORENO-INSERTIS FERNANDO	MORETON G E
MORIYAMA FUMIO PROF	MOROZHENKO N N DR	MOTTA SANTO DR
MULLER RICHARD DR	MUSTEL E R PROF DR	NAGASAWA SHINGO PROF
NAKAGAWA YOSHINARI DR	NAKAJIMA HIROSHI	NAMBA OSAMU DR
NELSON GRAHAM JOHN DR	NEUPERT WERNER M DR	NISHI KEIZO DR
NOYES ROBERT W PROF	NUSSBAUMER HARRY PROF	OBRIDKO VLADIMIR N DR
OHKI KENICHIRO DR	ORRALL FRANK Q PROF	PALLAVICINI ROBERTO DR
PAN LIANDE	PARKINSON JOHN H DR	PARKINSON WILLIAM H
PATERNO LUCIO PROF	PEDERSEN BENT M DR	PETROSIAN VAHE PROF
PFLUG KLAUS DR	PHILLIPS KENNETH J H	PIDDINGTON JACK H RES FEL
PNEUMAN GERALD W	POLAND ARTHUR I DR	POLETTI GIANNINA PROF
POLUPAN P N DR	POQUERUSSE MICHEL	PROKAKIS THEODORE J DR
QIAN JING-KUI	RAADU MICHAEL A DR	RABIN DOUGLAS MARK
RAO A PRAMESH DR	RAYROLE JEAN R DR	REES DAVID ELWYN DR
REEVES EDMOND M DR	REEVES HUBERT PROF	ROBERTS BERNARD DR
ROBINSON JR RICHARD D DR	ROCA CORTES TEODORO	ROEMER MAX PROF
ROMANCHUK P R DR	ROMPOLT BOGDAN DR	ROSCH JEAN PROF
ROXBURGH IAN W PROF	ROZELOT JEAN P	RUBASHEV BORIS M DR
RUSIN VOJTECH	RUST DAVID M DR	RUZDJAK VLADIMIR DR
RUZICKOVA-TOPOLOVA B DR	RYBANSKY MILAN	SAEMUNDSON THORSTEINN
SAITO KUNIIJI PROF	SAKURAI KUNITOMO PROF	SAKURAI TAKASHI DR
SAWYER CONSTANCE B DR	SCHATTEN KENNETH H DR	SCHLUETER A PROF DR
SCHMAHL EDWARD J DR	SCHMIDT H U DR	SCHMIEDER BRIGITTE DR
SCHOBER HANS J DR	SCHROETER EGON H PROF	SEMEL MEIR DR
SEVERNYJ A B PROF DR	SHAPLEY ALAN H	SHEA MARGARET A DR
SHEELEY NEIL R DR	SHI ZHONG-XIAN	SHIBASAKI KIYOTO
SHINE RICHARD A DR	SILBERBERG REIN DR	SIMNETT GEORGE M

SIMON GUY	SITNIK G F PROF	SLONIM E M DR
SMALDONE LUIGI ANTONIO	SMITH DEAN F DR	SMOL'KOV GENNADIJ YA DR
SOTIROVSKI PASCAL DR	SPICER DANIEL SHIELDS DR	SPRUIT HENK C DR
STELLMACHER GOETZ	STENFLO JAN O DR	STEPANIAN N N DR
STEPANOV V E PROF	STESHENKO N V DR	STEWART RONALD T MR
STIX MICHAEL DR	STURROCK PETER A PROF	SUDA JAN
SUEMOTO ZENZABURO PROF DR	SUN KAI	SVESTKA ZDENEK DR
SYKORA JULIUS DR	SYLWESTER JANUSZ	TAKAKURA TATSUO PROF EMER
TALON RAOUL DR	TAMENAGA TATSUO DR	TANAKA KATSUO DR
TANDBERG-HANSSSEN EINAR A	TANDON JAGDISH NARAIN DR	TANG YU-HUA
TESKE RICHARD G PROF	THOMAS JOHN H PROF	THOMAS ROGER J DR
TIFREA EMILIA DR	TLAMICHA ANTONIN DR	TRELLIS MICHEL DR
TREUMANN RUDOLF A. DR	TRITAKIS BASIL P DR	TROTTET GERARD DR
TSUBAKI TOKIO PROF	TUOMINEN JAAKKO V PROF	UNDERWOOD JAMES H DR
URPO SEPPO I	VAN ALLEN JAMES A PROF	VAN HOVEN GERARD DR
VAN'T VEER FRANS DR	VAUGHAN ARTHUR H DR	VELKOV KIRIL
VENKATESAN DORASWAMY DR	VIAL JEAN-CLAUDE	VINLUAN RENATO
VITINSKIJ YURIJ I DR	VYALSHIN GENNADIJ F DR	WALDMEIER MAX PROF DR
WANG JIA-LONG	WANG JING-XIU	WENTZEL DONAT G DR
WIEHR EBERHARD DR	WILD JOHN PAUL DR	WILSON PETER R PROF
WITTMANN AXEL D. PH D	WOEHL HUBERTUS DR	WOLTJER LODEWIJK PROF
WU FEI	WU SHI TSAN DR	XANTHAKIS JOHN N PROF
XU AO-AO	XU ZHENTAO	YAKOVKIN N A DR
YANG HAI SHOU	YE SHI-HUI	YOSHIMURA HIROKAZU DR
YOU JIAN-QI	YUN HONG-SIK PROF	ZAPPALA ROSARIO ALDO DR
ZELENKA ANTOINE DR	ZHANG HE-QI	ZHANG ZHEN-DA
ZHOU DAOQI	ZHUGZHDA YUZE F D DR	ZIRIN HAROLD DR
ZLOBEC PAOLO DR	ZOU YI-XIN	ZWAAN CORNELIS PROF DR

COMMISSION No. 12

RADIATION AND STRUCTURE OF THE SOLAR ATMOSPHERE
(RADIATION ET STRUCTURE DE L'ATMOSPHERE SOLAIRE)

President : KUPERUS MAX PROF DR

Vice-President(s) : HARVEY JOHN W DR

Organizing Committee: BRUECKNER GUENTER E DR
CHEN BIAO
CHRISTENSEN-DALSGAARD J
GRAM LAWRENCE EDWARD DR
GURTOVENKO E A DR
HIEI EIJIRO DR
KOTOV VALERY DR
NOYES ROBERT W PROF
SIVARAMAN K R DR
STENFLO JAN O DR

Members:

ACTON LOREN W DR	ADAM MADGE G DR	AIME C DR
ALISSANDRAKIS C PH D	ALLEN C W PROF	ALTROCK RICHARD C DR
ALTSCHULER MARTIN D PROF	ANDO HIROYASU DR	ANSARI S M RAZAULLAH PROF
ARNAUD JEAN	ATHAY R GRANT DR	AYRES THOMAS R
BALIUNAS SALLIE L	BEARD DAVID B DR	BECKERS JACQUES M DR
BECKMAN JOHN E PROF	BEEBE HERBERT A	BEL NICOLE J DR
BENFORD GREGORY DR	BHATNAGAR ARVIND DR	BHATTACHARYYA J C PROF
BILLINGS DONALD E PROF	BLACKWELL DONALD E PROF	BLAMONT JACQUES E PROF
BOCCHIA ROMEO DR	BOEHM KARL-HEINZ PROF	BOEHM-VITENSE ERIKA PROF
BOHN HORST-ULRICH	BONNET ROGER M DR	BOOK DAVID L
BOUGERET J L DR	BRANDT PETER N	BRAULT JAMES W DR
BRAY ROBERT J DR	BRECKINRIDGE JAMES B DR	BRUNER MARILYN E DR
BRUZEK ANTON DR	BUMBA VACLAV DR	CADEZ VLADIMIR
CAVALLINI FABIO	CEPPATELLI GUIDO DR	CHAMBE GILBERT
CHAN KWING LAM	CHAPMAN GARY A DR	CHENG CHUNG-CHIEH DR
CHISTYAKOV VLADIMIR E DR	CHVOJKOVA WOYK E DR	CLARK THOMAS ALAN DR
COOK JOHN W	COX ARTHUR N DR	CRAIG IAN JONATHAN D DR
CUI LIAN-SHU	DE JAGER CORNELIS PROF	DELACHE PHILIPPE J DR
DELBOUILLE LUC PROF	DEUBNER FRANZ-LUDWIG DR	DEZSO LORANT PROF
DOGAN NADIR PROF	DRAVINS DAINIS PROF	DUBOV EMIL E PROF
DUMONT SIMONE DR	DUNKELMAN LAWRENCE	DUNN RICHARD B DR
DUVALL THOMAS L JR	EDMONDS FRANK N JR DR	EINAUDI GIORGIO
ELLIOTT IAN DR	ELSTE GUNTHER H DR	EPSTEIN GABRIEL LEO DR
EVANS J V DR	FALCIANI ROBERTO DR	FANG CHENG
FELDMAN URI	FIALA ALAN D DR	FONTENLA JUAN MANUEL DR
FOSSAT ERIC DR	FOUKAL PETER V DR	FRAZIER EDWARD N DR
FRIEDMAN HERBERT DR	FROEHLICH CLAUD	GABRIEL ALAN H
GAIZAUSKAS VICTOR DR	GAUR V P	GLATZMAIER GARY A
GNEVYSHEV MSTISLAV N DR	GODOLI GIOVANNI PROF	GOKDOGAN NUZHET PROF
GOLDBERG LEO PROF	GOLDMAN MARTIN V	GOMEZ MARIA THERESA DR
GOPALASWAMY N DR	GOPASYUK S I DR	GORDON CHARLOTTE PROF
GREVESSE N DR	GU XIAO-MA	HAGYARD MONA JUNE

HAMMER REINER	HASAN SAIYID STRAJUL	HAUPT RALPH F
HILDNER ERNEST DR	HIRAYAMA TADASHI PROF	HOLWEGER HARTMUT PROF
HORTON BRIAN H DR	HOTINLI METIN DR	HOUSE LEWIS L DR
HOWARD ROBERT F DR	HOYNG PETER DR	ILLING RAINER M E
JABBAR SABEH RHAMAN	JEFFERIES JOHN T DR	JONES HARRISON PRICE DR
JORDAN CAROLE DR	JORDAN STUART D DR	JOSHI G C DR
KALKOFEN WOLFGANG DR	KALMAN BELA DR	KANNO MITSUO PROF
KARPEN JUDITH T	KARPINSKIJ VADIM N DR	KATO SHOJI PROF
KAUFMANN PIERRE PROF	KAWAGUCHI ICHIRO PROF	KEIL STEPHEN L
KHETSURIANI T S DR	KNEER FRANZ DR	KONONOVICH EDWARD V DR
KOPECKY MILOSLAV DR	KOSTIK ROMAN I	KOTRC PAVEL
KOUTCHMY SERGE DR	KOYAMA SHIN PROF DR	KRAEMER GERHARD DR
KUBICELA ALEKSANDAR DR	KUKLIN G V DR	KUNDU MUKUL R DR
KUROCHKA L N DR	LA BONTE BARRY JAMES	LABS DIETRICH PROF
LANDI DEGL'INNOCENTI E PR	LANDI DEGL'INNOCENTI M	LANDMAN DONALD ALAN DR
LANDOLFI MARCO	LEIBACHER JOHN DR	LEIGHTON R B PROF
LEROY JEAN-LOUIS	LIN YUANZHANG	LINSKY JEFFREY L DR
LIVINGSTON WILLIAM C	LOCKE JACK L DR	LOPEZ-ARROYO M
LOUGHHEAD RALPH E DR	LUEST REIMAR PROF	MAKAROV VALENTINE I
MAKAROVA ELENA A DR	MAKITA MITSUGU DR	MARIK MIKLOS DR.
MARILLI ETTORE DR	MARISKA JOHN THOMAS	MARMOLINO CIRO
MATSUSHIMA SATOSHI DR	MATTIG W PROF DR	MCKENNA LAWLOR SUSAN
MEIN PIERRE	MERGENTALER JAN PROF	MEWE R DR
MEYER FRIEDRICH DR	MICHARD RAYMOND DR	MIGEOTTE MARCEL V PROF
MIHALAS DIMITRI DR	MILKEY ROBERT W DR	MORENO-INSERTIS FERNANDO
MORIYAMA FUMIO PROF	MOURADIAN ZADIG M DR	MUELLER EDITH A PROF
MULLER RICHARD DR	MUNRO RICHARD H DR	NAMBA OSAMU DR
NECKEL HEINZ DR	NEVEN LUC DR	NICOLAS KENNETH ROBERT
NICOLET MARCEL PROF	NISHI KEIZO DR	NORDLUND AKE DR
ORRALL FRANK Q PROF	OSTER LUDWIG F PROF DR	PANDE MAHESH CHANDRA DR
PAPATHANASOGLOU D DR	PARKINSON WILLIAM H	PASACHOFF JAY M PROF
PECKER JEAN-CLAUDE PROF	PEYTURAUX ROGER H PROF	PFLUGER KLAUS DR
PHILLIPS KENNETH J H	PIERCE A KEITH DR	POQUERUSSE MICHEL
PRIEST ERIC R PROF	PROKAKIS THEODORE J DR	RABIN DOUGLAS MARK
REES DAVID ELWYN DR	REEVES EDMOND M DR	RIGHINI-COHEN GIOVANNA DR
RIGUTTI MARIO PROF	ROBERTI GIUSEPPE DR	ROBERTS BERNARD DR
ROCA CORTES TEODORO	RODDIER FRANCOIS PROF	ROLAND GINETTE DR
ROVIRA MARTA GRACIELA	RUSIN VOJTECH	RUTTEN ROBERT J. DR
RYBANSKY MILAN	SAKAI JUN-ICHI	SAKURAI TAKASHI DR
SAMAIN DENYS DR	SCHMAHL EDWARD J DR	SCHOBER HANS J DR
SCHUESSLER MANFRED DR	SCHWARTZ STEVEN JAY	SEATON MICHAEL J PROF
SEMEL MEIR DR	SEVERINO GIUSEPPE	SEVERNYJ A B PROF DR
SHALLIS MICHAEL J DR	SHEELEY NEIL R DR	SHEN LONG-XIANG
SHINE RICHARD A DR	SIMON GEORGE W DR	SIMON GUY
SINGH JAGDEV DR	SINHA K DR	SITNIK G F PROF
SITTERLY CHARLOTTE M DR	SKUMANICH ANDRE PROF	SOBOLEV VLADISLAV M DR
SONG MU-TAO	SOTIROVSKI PASCAL DR	SOUFFRIN PIERRE B DR
SPICER DANIEL SHIELDS DR	STAUDE JUERGEN DR	STEBBINS ROBIN
STEPANOV V E PROF	STIX MICHAEL DR	SUEMOTO ZENZABURO PROF DR
SVETKA ZDENEK DR	SWENSSON JOHN W DR	TANAKA KATSUO DR
TANDBERG-HANSSSEN EINAR A	TEPLITSKAYA R B DR	THOMAS JOHN H PROF
THOMAS RICHARD N DR	TORELLI M DR	TOUSEY RICHARD DR
TRIPATHI B M DR	TSAP T T DR	TSUBAKI TOKIO PROF
UCHIDA YUTAKA PROF	UNNO WASABURO PROF	UUS UNDO DR
VAN HOVEN GERARD DR	VASILEVA GALINA J DR	VAUGHAN ARTHUR H DR
VENKATAKRISHNAN P DR	VIAL JEAN-CLAUDE	VITINSKIJ YURIJ I DR
VOLONTE SERGE DR	VUKICEVIC K M PROF DR	WALDMEIER MAX PROF DR
WANG JING-XIU	WANG ZHEN-YI	WARWICK JAMES W DR

WEISS NIGEL O DR
WITTMANN AXEL D. PH D
WU FEI
YOSHIMURA HIROKAZU DR
ZELENKA ANTOINE DR
ZIRIN HAROLD DR

WENTZEL DONAT G DR
WOEHL HUBERTUS DR
WU LIN-XIANG
YOU JIAN-QI
ZHOU DAOQI
ZIRKER JACK B DR

WILSON PETER R PROF
WORDEN SIMON P DR
WYLLER ARNE A PROF
YOUSSEF NAHED H DR
ZHUGZHDA YUZE F D DR
ZWAAN CORNELIS PROF DR

COMMISSION No. 14

ATOMIC AND MOLECULAR DATA

(DONNEES ATOMIQUES ET MOLECULAIRES)

President : NICHOLLS RALPH W PROF
 Vice-President(s) : SAHAL-BRECHOT SYLVIE DR

Organizing Committee: GABRIEL ALAN H
 KATO TAKAKO DR
 LOVAS FRANCIS JOHN DR
 MANDELSTAM S L PROF
 NUSSBAUMER HARRY PROF
 PARKINSON WILLIAM H
 RUDZIKAS ZENONAS B
 WIESE WOLFGANG L DR

Members:

ADELMAN SAUL J DR	ALLEN C W PROF	ANDREW KENNETH L PROF
ARDUINI-MALINOVSKY M. DR	ARTRU MARIE-CHRISTINE DR	BAIRD KENNETH M DR
BARNARD HANNES A J DR	BARROW RICHARD F DR	BATES DAVID R PROF
BELY OLEG DR	BELY-DUBAU FRANCOISE	BERRINGTON KEITH ADRIAN
BIEMONT EMILE DR	BLACK JOHN HARRY DR	BLAHA MILAN DR
BRANSCOMB L M DR	BRAULT JAMES W DR	BROMAGE GORDON E DR
BURGESS ALAN DR	CARBON DUANE F DR	CARROLL P KEVIN PROF
CARVER JOHN H PROF	COOK ALAN H PROF	CORLISS C H DR
CZYZAK STANLEY J DR	DALGARNO ALEXANDER PROF	DELSEMME ARMAND H PROF DR
DESEQUELLES JEAN DR	DIERCKSEN GEERD H F PH D	DRESSLER KURT PROF
DUBAU JACQUES DR	DUFAY MAURICE PROF	EDLEN BENGT PROF
ENGELHARD E J G PROF DR	EPSTEIN GABRIEL LEO DR	FAUCHER PAUL DR
FEAUTRIER NICOLE DR	FELENBOK PAUL DR	FINK UWE DR
FLOWER DAVID R DR	GARSTANG ROY H PROF	GARTON W R S PROF
GLAGOLEVSKIJ JU V DR	GOLDBACH CLAUDINE MME	GRANT IAN P DR
GREEN LOUIS C PROF	HEDDLE DOUGLAS W O PROF	HEFFERLIN RAY A PROF
HERMAN RENEE DR	HEROLD HEINZ	HERZBERG GERHARD DR
HESSER JAMES E DR	HOUSE LEWIS L DR	HUBER MARTIN C E DR
HUEBNER WALTER F DR	HUMPHREYS CURTIS JUDSON	ILIEV ILIAN
IRWIN ALAN W DR	JACQUINOT PIERRE DR	JOHNSON DONALD R DR
JOHNSON FRED M PROF DR	JOLY FRANCOIS DR	JORDAN CAROLE DR
JORDAN H L DR DIREKTOR	KENNEDY EUGENE T	KESSLER KARL G DR
KIM ZONG DOK	KING R B DR	KINGSTON ARTHUR E PROF
KIPPER TONU DR	KOHL JOHN L DR	LAGERQVIST ALBIN PROF
LANDMAN DONALD ALAN DR	LANG JAMES DR	LAUNAY JEAN-MICHEL DR
LAWRENCE G M DR	LAYZER DAVID PROF	LE DOURNEUF MARYVONNE
LOCHTE-HOLTGREVEN W PROF	LOULERGUE MICHELLE DR	LUTZ BARRY L DR
MAILLARD JEAN-PIERRE DR	MARTIN WILLIAM C DR	MASON HELEN E DR
MCWHIRTER R W PETER DR	MEWE R DR	MIGEOTTE MARCEL V PROF
MOHLER ORREN C PROF	MONFILS ANDRE G PROF	MUMMA MICHAEL JON
NEVIN THOMAS E PROF	NEWSOM GERALD H PROF	NOLLEZ GERARD DR
OBI SHINYA PROF	OETKEN L DR	OKA TAKESHI DR
OMONT ALAIN PROF	ORTON GLENN S DR	PEACH GILLIAN DR
PETRINI DANIEL DR	PETROPOULOS BASIL CH DR	PETTINI MARCO

PFENNIG HANS H DR	PHILLIPS JOHN G PROF	PROKOF'EV VLADIMIR K PROF
QUERCI FRANCOIS R DR	RAO K NARAHARI	RICHTER JOHANNES PROF
ROSS JOHN E R DR	ROUEFF EVELYNE M A DR	RUDER HANNS
SCHADEE AERT DR	SCHRIJVER JOHANNES DR	SEATON MICHAEL J PROF
SHORE BRUCE W	SITTERLY CHARLOTTE M DR	SMITH GEOFFREY DR
SMITH PETER L DR	SMITH WM HAYDEN PROF	SOMERVILLE WILLIAM B DR
SORENSEN GUNNAR DR	STEENMAN-CLARK LOIS DR	STREL'NITSKIJ VLADIMIR DR
SUMMERS HUGH P DR	SWINGS JEAN-PIERRE DR	TAKAYANAGI KAZUO PROF
TATUM JEREMY B DR	TOUSEY RICHARD DR	TOZZI GIAN PAOLO
TREFFTZ ELEONORE E DR	VAN REGEMORTER HENRI DR	VAN RENSBERGEN WALTER DR
VARSAVSKY C M DR	VARSHALOVICH DIMITRIJ PR	VOELK HEINRICH J PROF
VOLONTE SERGE DR	VUJNOVIC VLADIS DR	WARES GORDON W DR
WENIGER SCHAME DR	WILSON ROBERT PROF	WINNEWISSER GISBERT DR
WUNNER GUENTER	YOUNG LOUISE GRAY DR	ZEIPPEN CLAUDE DR
ZIRIN HAROLD DR		

COMMISSION No. 15

PHYSICAL STUDY OF COMETS, MINOR PLANETS AND METEORITES

(ETUDE PHYSIQUE DES COMETES, DES PETITES PLANETES ET DES METEORITES)

President : KRESAK LUBOR DR

Vice-President(s) : RAHE JURGEN PROF

Organizing Committee: A'HEARN MICHAEL F DR
 ARPIGNY CLAUDE PROF
 CHAPMAN CLARK R DR
 DOBROVOLSKY OLEG V PROF
 FECHTIG HUGO DR
 HARRIS ALAN WILLIAM DR
 HAUPT HERMANN F PROF
 SHUL'MAN L M DR
 WASSON JOHN T
 WYCKOFF SUSAN DR
 ZAPPALA VINCENZO PROF

Members:

ALLEGRE CLAUDE PROF	ANDERS EDWARD PROF	ANDRIENKO DMITRY A DR
BABADZHANOV PULAT B DR	BARKER EDWIN S DR	BEARD DAVID B DR
BIRCH PETER MR	BLAMONT JACQUES E PROF	BOBROVNIKOFF NICHOLAS DR
BOUSKA JIRI DR	BOWELL EDWARD L G DR	BRANDT JOHN C DR
BRECHER AVIVA DR PROF	BROWN ROBERT HAMILTON	BRUNK WILLIAM E DR
BURLAGA LEONARD F DR	BURNS JOSEPH A PROF	CANDY MICHAEL P MR
CEPLECHA ZDENEK DR	CHAPMAN ROBERT D DR	CHEN DAO-HAN
CHEREDNICHENKO V I DR	COCHRAN WILLIAM DAVID DR	COSMOVICI BATALLI C DR
CRISTESCU CORNELIA G DR	CRUVISIER JACQUES	CRUIKSHANK DALE P DR
DANKS ANTHONY C DR	DE SANCTIS GIOVANNI	DEGEWIJ JOHAN DR
DELSEMME ARMAND H PROF DR	DERMOTT STANLEY F	DEUTSCHMAN WILLIAM A DR
DI MARTINO MARIO	DONN BERTRAM D	DOSSIN F DR
DOUGLAS A VIBERT DR	DRYER MURRAY DR	ERSHKOVICH ALEXANDER PROF
EVERHART EDGAR DR	EVIATAR AHARON PROF	FARINELLA PAOLO DR
FELDMAN PAUL DONALD DR	FERNANDEZ JEAN-CLAUDE DR	FESTOU MICHEL C DR
FULCHIGNONI MARCELLO PROF	GEHRELS TOM PROF	GERARD ERIC DR
GIBSON DAVID MICHAEL DR	GIESE RICHARD H PROF	GIOVANE FRANK
GRADIE JONATHAN CAREY	GREENBERG J MAYO DR	GROSSMAN LAWRENCE PROF
GRUDZINSKA STEFANIA DR	GRUEN EBERHARD DR	GUSTAFSON BO A S
HALLIDAY IAN DR	HANNER MARTHA S DR	HAPKE BRUCE W DR
HARTMANN WILLIAM K	HARWIT MARTIN PROF	HASER LEO N K DR
HERZBERG GERHARD DR	HU ZHONG-WEI	HUEBNER WALTER F DR
HUGHES DAVID W DR	IBADINOV KHURSANDKUL DR	IP WING-HUEN
IRVINE WILLIAM M PROF	ISOBE SYUZO DR	IVANOVA VIOLETA DR
JACKSON WILLIAM M DR	JOCKERS KLAUS DR	JOHNSON TORRENCE V DR
KELLER HANS ULRICH DR	KNACKE ROGER F DR	KOEBERL CHRISTIAN DR
KOHOUTEK LUBOS DR	KONOPLEVA VARVARA P DR	KOWAL CHARLES THOMAS
KRISHNA SWAMY K S DR	LAMY PHILIPPE DR	LANCASTER BROWN PETER
LARSON HAROLD P DR	LARSON STEPHEN M	LEBOFSKY LARRY ALLEN
LEVASSEUR-REGOURD A.C. PR	LEVIN BORIS J DR	LILLER WILLIAM DR
LILLIE CHARLES F DR	LINDSEY CHARLES ALLAN	LIU LIN-ZHONG

LUEST RHEA DR	LUPISHKO DMITRIJ F	LYTTLETON RAYMOND A PROF
MALAISE DANIEL J DR	MARAN STEPHEN P DR	MARSDEN BRIAN G DR
MARTEL MARIE-THERESE DR	MATSON DENNIS L DR	MATSUURA OSCAR T DR
MCCORD THOMAS B DR	MCCROSKY RICHARD E DR	MCKENNA LAWLOR SUSAN
MEISEL DAVID D DR	MENDIS DEVAMITTA ASOKA DR	MILET BERNARD L DR
MILLER FREEMAN D PROF	MILLMAN PETER M DR	MOEHLMANN DIEDRICH
MOORE ELLIOTT P PROF	MORRISON DAVID PROF	MRKOS ANTONIN DR
MUMMA MICHAEL JON	NAKAMURA TSUKO DR	NEFF JOHN S
NEWBURN RAY L JR	O'DELL CHARLES R DR	O'KEEFE JOHN A DR
PAOLICCHI PAOLO DR	PELLAS PAUL DR	PEREZ-DE-TEJADA H A DR
PILCHER CARL BERNARD DR	PITTICH EDUARD M DR	PROISY PAUL E DR
REMY BATTIAU LILIANE G A	REVELLE DOUGLAS ORSON DR	RICKMAN HANS DR
ROEMER ELIZABETH PROF	SCALTRITI FRANCO DR	SCHMIDT H U DR
SCHMIDT MAARTEN PROF	SCHOBER HANS J DR	SEKANINA ZDENEK DR
SIVARAMAN K R DR	SMOLUCHOWSKI ROMAN PROF	SNYDER LEWIS E
SOLC MARTIN	SPINRAD HYRON PROF	SVOREN JAN
TAKEDA HIDENORI DR	TANABE HIROYOSHI DR	TEDESCO EDWARD F
TOMITA KOICHIRO MR	TYPHOON LEE	VALSECCHI GIOVANNI B
VANYSEK VLADIMIR PROF	VEEDER GLENN J DR	VEVERKA JOSEPH DR
WALLIS MAX K DR	WANG SI-CHAO	WATERFIELD REGINALD L DR
WEHINGER PETER A DR	WEISSMAN PAUL ROBERT	WETHERILL GEORGE W
WHIPPLE FRED L DR	WILKENING LAUREL L DR	WISNIEWSKI WIESLAW Z
WOOD JOHN A DR	WOOLFSON MICHAEL M PROF	WOSZCZYK ANDRZEJ PROF
YAVNEL ALEXANDER A DR	YEOMANS DONALD K DR	ZELLNER BENJAMIN H DR
ZHOU XING-HAI		

COMMISSION No. 16

PHYSICAL STUDY OF PLANETS AND SATELLITES

(ETUDE PHYSIQUE DES PLANETES ET DES SATELLITES)

President : HUNT GARRY E DR

Vice-President(s) : BRAHIC ANDRE DR
MORRISON DAVID PROF

Organizing Committee: BERTAUX J L DR
BURNS JOSEPH A PROF
CHEN DAO-HAN
CRUIKSHANK DALE P DR
DAVIES MERTON E MR
ENCRENAZ THERESE DR
GAUTIER DANIEL
MAROV MIKHAIL YA PROF
MASURSKY HAROLD DR
MOROZHENKO A V DR
OWEN TOBIAS C PROF
SHEVCHENKO VLADISLAV V DR
SMITH BRADFORD A PROF
TEJFEL VIKTOR G DR

Members:

AKABANE TOKUHIDE DR	ANDERS EDWARD PROF	APPLEBY JOHN F
ARTHUR DAVID W G	ATREYA SUSHIL K	BARROW COLIN H DR
BATTANER EDUARDO DR	BAUM WILLIAM A DR	BAZILEVSKY ALEXANDR T
BEEBE RETA FAYE DR	BEER REINHARD DR	BELTON MICHAEL J S DR
BENDER PETER L DR	BERGE GLENN L DR	BERGSTRALH JAY T DR
BHATIA R K DR	BLAMONT JACQUES E PROF	BOBROV M S DR
BONDARENKO L N DR	BOSMA PIETER B DR	BOYCE PETER B DR
BOYER CHARLES	BRECHER AVIVA DR PROF	BROADFOOT A LYLE DR
BROWN ROBERT HAMILTON	BRUNK WILLIAM E DR	BYSTROV NIKOLAI F DR
CALAME ODILE DR	CALDWELL JOHN JAMES	CAMERON WINIFRED S MRS
CAMICHEL HENRI DR	CAMPBELL DONALD B	CATALANO SANTO DR
CHAMBERLAIN JOSEPH W PROF	CHAPMAN CLARK R DR	COLLINSON EDWARD H
COLOMBO G PROF DR	CONNES JANINE DR	COOK ALLAN F DR
COUNSELLMAN CHARLES C PROF	DE MOTTONI Y PALACIOS DR	DE PATER IMKE
DEGEWIJ JOHAN DR	DERMOTT STANLEY F	DICKEL JOHN R
DICKEY JEAN O'BRIEN	DOLLFUS AUDOUIN PROF	DRAKE FRANK D PROF
DZHAPIASHVILI VICTOR P DR	EL-BAZ FAROUK DR	ELLIOT JAMES L DR
ELSTON WOLFGANG E PROF	ESHLEMAN VON R PROF	ESPOSITO LARRY W
FARINELLA PAOLO DR	FIELDER GILBERT DR	FINK UWE DR
FOX KENNETH DR	FOX W E MR	FUJIWARA AKIRA DR
GALKIN LEONID S A DR	GEAKE JOHN E DR	GEHRELS TOM PROF
GEISS JOHANNES PROF	GICLAS HENRY L MR	GIERASCH PETER J DR
GOLD THOMAS PROF	GOLDREICH P DR	GOLDSTEIN RICHARD H DR
GOODY R M	GORENSTEIN PAUL DR	GOUDAS CONSTANTINE L PROF
GREEN JACK PROF	GROSSMAN LAWRENCE PROF	GUERIN PIERRE DR
GUEST JOHN E DR	GULKIS SAMUEL DR	GURSHTAIN A A DR
HABIBULLIN SH T PROF DR	HAGFORS T DR	HALL JOHN S DR

HALLIDAY IAN DR	HERZBERG GERHARD DR	HIDE RAYMOND PROF
HOLBERG JAY B	HORED T GEORG PAUL DR	HOVENIER J W DR
HU ZHONG-WEI	HUBBARD WILLIAM B PROF	HUNTEN DONALD M PROF
INGRAO HECTOR C	IRVINE WILLIAM M PROF	IWASAKI KYOSUKE DR
JEFFREYS HAROLD PROF SIR	JOHNSON TORRENCE V DR	JURGENS RAYMOND F
KARANDIKAR R V PROF	KAULA WILLIAM M PROF	KILADZE R I DR
KISLYUK VITALIJ S DR	KOPAL ZDENEK PROF	KOWAL CHARLES THOMAS
KSANFOMALITI L V DR	KUMAR SHIV S PROF	KURT V G DR
KUZMIN ARKADII D PROF DR	LANE ARTHUR LONNE DR	LARSON HAROLD P DR
LARSON STEPHEN M	LEIKIN G A DR	LEVIN BORIS J DR
LEWIS J S	LOCKWOOD G WESLEY DR	LOPEZ-MORENO JOSE JUAN
LOPEZ-PUERTAS MANUEL	LUMME KARI A DR	LUTZ BARRY L DR
MAHRA H S DR	MARTYNOV D YA PROF DR	MATSON DENNIS L DR
MAYER CORNELL H	MCCORD THOMAS B DR	MCELROY M B DR
MEADOWS A JACK PROF	MIDDLEHURST BARBARA M MS	MIKHAIL JOSEPH SIDKY DR
MILLIS ROBERT L DR	MILLMAN PETER M DR	MIYAMOTO SIGENORI PROF
MOEHLMANN DIEDRICH	MOLINA ANTONIO	MOORE PATRICK DR
MOROZ V I PROF DR	MOUTSOULAS MICHAEL PROF	MULHOLLAND J DERRAL DR
MUMMA MICHAEL JON	MURPHY ROBERT E DR	NAKAGAWA YOSHITSUGU DR
NESS NORMAN F DR	NEUKUM G DR	O'KEEFE JOHN A DR
OTTELET I J DR	PANG KEVIN	PAOLICCHI PAOLO DR
PETROPOULOS BASIL CH DR	PETTENGILL GORDON H PROF	POLLACK JAMES B DR
RAO M N DR	RODRIGO RAFAEL	ROSCH JEAN PROF
RUNCORN S K PROF	RUSKOL EUGENIA L DR	SAFRONOV VICTOR S DR
SAGAN CARL DR	SAGITOV M U DR	SAISSAC JOSEPH DR
SCHLOERB F. PETER	SHAPIRO IRWIN I PROF	SHIMIZU MIKIO PROF
SHIMIZU TSUTOMU PROF EMER	SHOEMAKER EUGENE M	SINTON WILLIAM M
SJOGREN WILLIAM L MR	SMITH HARLAN J PROF	SMOLUCHOWSKI ROMAN PROF
SODERBLOM LARRY DR	SONETT CHARLES P PROF	STONE EDWARD C DR
STROBEL DARRELL F	STROM ROBERT G PROF	STRONG JOHN D PROF
SYNNOTT STEPHEN P	TERRILE RICHARD JOHN	THOMPSON THOMAS WILLIAM
TOMBAUGH CLYDE W PROF	TRAFTON LAURENCE M DR	TROITSKY V S PROF DR
TYLER JR G LEONARD DR	VAN ALLEN JAMES A PROF	VAN FLANDERN THOMAS DR
VEVERKA JOSEPH DR	WALKER ROBERT M A PROF	WALLACE LLOYD V DR
WASSERMAN LAWRENCE H DR	WASSON JOHN T	WEIMER THEOPHILE P F DR
WEST ROBERT ALAN	WETHERILL GEORGE W	WHITAKER EWEN A
WILDEY ROBERT L PROF DR	WILLIAMS IWAN P DR	WILLIAMS JAMES G DR
WOOD JOHN A DR	WOOLFSON MICHAEL M PROF	WOSZCZYK ANDRZEJ PROF
YODER CHARLES F	YOUNG ANDREW T DR	YOUNG LOUISE GRAY DR
ZHANG MING-CHANG		

COMMISSION No. 19

ROTATION OF THE EARTH (ROTATION DE LA TERRE)

President : KLEPCZYNSKI WILLIAM J DR

Vice-President(s) : FEISSEL MARTINE DR
KOLACZEK BARBARA DR

Organizing Committee: BARLIER FRANCOIS E DR
BROSCHÉ PETER PROF
CARTER WILLIAM EUGENE
DJUROVIC DRAGUTIN M DR
MUELLER IVAN I PROF
ROCHESTER MICHAEL G PROF
SCHUTZ BOB EWALD
VONDRAK JAN DR
WILKINS GEORGE A DR
YATSKIV YA S DR
YE SHU-HUA
YOKOYAMA KOICHI DR

Members:

ABRAHAM HENRY J M	ARABELOS DIMITRIOS DR	BANG YONG GOL
BARRETO LUIZ MUNIZ PROF	BENDER PETER L DR	BILLAUD GERARD J
BLINOV N S DR	BONANOMI J DR	CALAME ODILE DR
CANNON WAYNE H DR	CAPITAINE NICOLE	CATALAN MANUEL DR
CHEN XING	CHIUMIENTO GIUSEPPE	CURRIE DOUGLAS G DR
DAVIES JOHN G DR	DEBARBAT SUZANNE V DR	DEJAIFFE RENE J DR
DICKEY JEAN O'BRIEN	DICKMAN STEVEN R	DRAMBA C PROF
ELSMORE BRUCE DR	ENSLIN HEINZ DR	FANSELOW JOHN LYMAN
FEDOROV E P PROF	FLIEGEL HENRY F	FONG CHU-GANG
GAIGNEBET JEAN DR	GAO BUXI	GAPOSCHKIN EDWARD M DR
GROTEN ERWIN PROF	GUINOT BERNARD R PROF	HALL R GLENN DR
HAN TIANQI	HELLWIG HELMUT WILHELM DR	HEMMLEB GERHARD DR
HIDE RAYMOND PROF	HOSOYAMA KENNOSHUKE DR	HUA YING-MIN
HURUKAWA KIICHIRO DR	IIJIMA SHIGETAKA PROF	JAKS WALDEMAR DR
JEFFREYS HAROLD PROF SIR	JI HONG-QING	KAKUTA CHUICHI DR
KALMYKOV A M DR	KING ROBERT WILSON JR DR	KNOWLES STEPHEN H DR
KOKURIN YURIJ L DR	KOSTINA LIDIJA D DR	LAMBECK KURT PROF
LEDERLE TRUDPERT DR	LEFEBVRE MICHEL DR	LI ZHENG-XIN
LIESKE JAY H DR	LUO DING-JIANG	LUO SHI-FANG
MANABE SEIJI DR	MARKOWITZ WILLIAM DR	MATSAKIS DEMETRIOS N
MCCARTHY DENNIS D DR	MEINIG MANFRED DR	MELBOURNE WILLIAM G DR
MELCHIOR PAUL J PROF DIR	MERRIAM JAMES B	MIETELSKI JAN S DR
MILOVANOVIC VLADETA DR	MIRONOV NIKOLAY T	MIYADI MASASI DR
MOCZKO JANUSZ DR	MORGAN PETER DR	MORRISON LESLIE V
NAUMOV VITALIJ A DR	NIEMI AIMO	NOBILI ANNA M
O'HORA NATHY P J	OKAMOTO ISAO DR	OKAZAKI SEICHI DR
OE MASATSUGU DR	ORTE ALBERTO	OTERMA LIISI PROF
PAN XIAO-PEI	PAQUET PAUL EG DR	PARIJSKIJ N N PROF
PERDOMO RAUL	PILKINGTON JOHN D H DR	POMA ANGELO DR
PEPELAR JOSEF DR	PRODAN Y I DR	PROVERBIO EDOARDO PROF
RANDIC LEO PROF DR	REN JIANG-PING	ROBERTSON DOUGLAS S

RUDER HANNS	RUNCORN S K PROF	RUSU I DR
RYKHLOVA LIDIJA V DR	SADZAKOV SOFIJA DR	SAKHAROV VLADIMIR I DR
SANCHEZ MANUEL	SASAO TETSUO DR	SATO KOICHI DR
SEKIGUCHI NAOSUKE PROF	SEVARLIC BRANISLAV M PROF	SEVILLA MIGUEL J DR
SHAPIRO IRWIN I PROF	SHI GUANG-CHEN	SIDORENKOV NIKOLAY S
SILVERBERG ERIC C DR	SLADE MARTIN A III DR	SMITH F GRAHAM PROF
SMITH HUMPHRY M	SMYLIE DOUGLAS E DR	STANILA GEORGE DR
STEPHENSON F RICHARD DR	STOYKO ANNA	SUGAWA CHIKARA DR
SUN YONGXIANG	TAKAGI SHIGETSUGU DR	TAPLEY BYRON D DR
TARADY VLADIMIR K DR	TELEKI GEORGE DR	THOMAS DAVID V DR
TORAO MASAHISA	TSAO MO PROF	TSUBOKAWA IETSUNE DR
VEILLET CHRISTIAN	VEIS GEORGE PH D	VICENTE RAIMUNDO O PROF
WAKO KOJIRO DR	WAN TONG-SHAN	WANG ZHENG MING
WARD WILLIAM R DR	WILLIAMS JAMES G DR	WILSON P DR
WINKLER GERNOT M R DR	WU SHOU-XIAN	XIA JIONGYU
XIAO NAI-YUAN	XU TONG-QI	YANG FUMIN
YUMI S PROF DR	ZHANG GUO-DONG	ZHAO MING
ZHENG DA-WEI	ZHU YONG-HE	

COMMISSION No. 20

POSITIONS AND MOTIONS OF MINOR PLANETS, COMETS AND SATELLITES

(POSITIONS ET MOUVEMENTS DES PETITES PLANETES, DES COMETES ET DES SATELLITES)

President : KOZAI YOSHIHIDE PROF

Vice-President(s) : BATRAKOV YU V DR

Organizing Committee: AKSNES KAARE DR
 ARLOT JEAN-EUDES
 KRESAK LUBOR DR
 KRISTENSEN LEIF KAHL DR
 MARSDEN BRIAN G DR
 MILLIS ROBERT L DR
 ROEMER ELIZABETH PROF
 YEOMANS DONALD K DR
 ZHANG YU-ZHE

Members:

A'HEARN MICHAEL F DR	ABALAKIN VICTOR K DR	AREND S DR
BABADZHANOV PULAT B DR	BAILEY MARK EDWARD	BEC-BORSENBERGER ANNICK
BELYAEV NIKOLAJ A DR	BENEST DANIEL DR	BENNETT JOHN CAISTER MR
BIELICKI MACIEJ DR	BIEN REINHOLD DR	BOERNGEN FREIMUT DR PH
BOWELL EDWARD L G DR	BRANHAM RICHARD L JR	BURNS JOSEPH A PROF
CALAME ODILE DR	CANDY MICHAEL P MR	CARUSI ANDREA
CHERNYKH N S DR	CHIO CHOL ZONG	CHURMS JOSEPH
CRISTESCU CORNELIA G DR	CUNNINGHAM LELAND E PROF	DE PASCUAL MARTINEZ M DR
DE SANCTIS GIOVANNI	DEBEHOGNE HENRI DR SC	DELSEMME ARMAND H PROF DR
DIRIKIS M A DR	DOLLFUS AUDOUIN PROF	DUNHAM DAVID W
DVORAK RUDOLF DR	EDMONDSON FRANK K PROF	ELLIOT JAMES L DR
EVDOKIMOV YU V DR	EVERHART EDGAR DR	FERRAZ-MELLO S PROF DR
FORTI GIUSEPPE DR	FRANKLIN FRED A DR	FREITAS MOURAO R R DR
FROESCHLE CLAUDE DR	GALIBINA I V DR	GARFINKEL BORIS DR
GEHRELS TOM PROF	GIBSON JAMES	GICLAS HENRY L MR
GILMORE ALAN C MR	GREENBERG RICHARD DR	HARRINGTON ROBERT S DR
HARRIS ALAN WILLIAM DR	HASEGAWA ICHIRO DR	HAUPT HERMANN F PROF
HELIN ELEANOR FRANCIS	HEMENWAY PAUL D	HENRRARD JACQUES PROF
HERS JAN MR	HEUDIER JEAN-LOUIS DR	HURNIK HIERONIM PROF
HURUKAWA KIICHIRO DR	IANNA PHILIP A	IVANOVA VIOLETA DR
IZVEKOV V A DR	KHATISASHVILI ALFEZ SH DR	KIANG TAO PROF
KISSELEVA TAMARA P	KLEMOLA ARNOLD R DR	KOHOUTEK LUBOS DR
KOWAL CHARLES THOMAS	LAGERKVIST CLAES-INGVAR	LIESKE JAY H DR
LINDBLAD BERTIL A DR	LOMB NICHOLAS RALPH DR	LOVAS MIKLOS
MACHADO LUIZ E. DA SILVA	MAHRA H S DR	MCCROSKY RICHARD E DR
MILET BERNARD L DR	MINTZ BLANCO BETTY MRS	MORANDO BRUNO L DR
MRKOS ANTONIN DR	MULHOLLAND J DERRAL DR	MURRAY CARL D
NACOZY PAUL E DR	NAKAMURA TSUKO DR	NAKANO SYUICHI
NOBILI ANNA M	OTERMA LIISI PROF	PASCU DAN DR
PIERCE DAVID ALLEN	PITTICH EDUARD M DR	POPOVIC BOZIDAR PROF DR
PROTICH MILORAD B	QUIJANO LUIS	RAPAPORT MICHEL DR
REITSEMA HAROLD J	RICKMAN HANS DR	ROBERTSON WILLIAM H

SAGNIER JEAN-LOUIS DR	SCHMADEL LUTZ D DR	SCHOBER HANS J DR
SCHOLL HANS DR	SCHRUTKA-RECHTENSTAMM PR.	SCHUBART JOACHIM DR
SCHUSTER HANS-EMIL	SEIDELMANN P KENNETH DR	SEKANINA ZDENEK DR
SHELUS PETER J DR	SHKODROV V G DR	SHOR VIKTOR A DR
SHTEINS K A DR	SINCLAIR ANDREW T DR	SITARSKI GRZEGORZ PROF
STELLMACHER IRENE DR	STROBEL WILLI DR	SULTANOV G F ACAD
SVOREN JAN	SYNNOTT STEPHEN P	TAYLOR DONALD BOGGIA DR
TAYLOR GORDON E	TOMITA KOICHIRO MR	TORRES CARLOS DR
VAGHI SERGIO DR	VALSECCHI GIOVANNI B	VAN FLANDERN THOMAS DR
VAN HOUTEN C J DR	VAN HOUTEN-GROENEVELD I	VEILLET CHRISTIAN
VIEIRA MARTINS ROBERTO DR	VU DUONG TUYEN DR	WASSERMAN LAWRENCE H DR
WEISSMAN PAUL ROBERT	WEST RICHARD M DR	WHIPPLE FRED L DR
WILD PAUL PROF	WILLIAMS IWAN P DR	WILLIAMS JAMES G DR
WROBLEWSKI HERBERT DR	YABUSHITA SHIN A PROF	ZADUNAISKY PEDRO E PROF
ZAPPALA VINCENZO PROF	ZHANG JIA-XIANG	ZIOLKOWSKI KRZYSZTOF DR

COMMISSION No. 21

LIGHT OF THE NIGHT SKY (LUMIERE DU CIEL NOCTURNE)

President : MATTILA KALEVI DR
 Vice-President(s) : LEVASSEUR-REGOURD A.C. PR

Organizing Committee: DUMONT RENE DR
 GALPERIN YU I PROF
 GIESE RICHARD H PROF
 HANNER MARTHA S DR
 LAMY PHILIPPE DR
 MUKAI TADASHI DR
 TANABE HIROYOSHI DR
 WEINBERG J L DR

Members:

ALVAREZ P	ANDERSON KINSEY A PROF	ANGIONE RONALD J DR
BAGGLEY WILLIAM J PROF	BANOS COSMAS J DR	BATES DAVID R PROF
BELKOVICH O I DR	BLACKWELL DONALD E PROF	BLAMONT JACQUES E PROF
BOWYER C STUART PROF	BROADFOOT A LYLE DR	CHAMBERLAIN JOSEPH W PROF
COOK ALLAN F DR	DACHS JOACHIM PROF DR	DIVARI N B DR
DUFAY MAURICE PROF	DUNKELMAN LAWRENCE	ELSAESSER HANS PROF
FECHTIG HUGO DR	FELDMAN PAUL DONALD DR	FISHKOVA LUISA M PROF
FRACASSINI MASSIMO PROF	GIOVANE FRANK	GREENBERG J MAYO DR
GRUEN EBERHARD DR	HALLIDAY IAN DR	HARWIT MARTIN PROF
HAUG ULRICH PROF	HENRY RICHARD C. PROF.	HOFMANN WILFRIED DR
HONG SEUNG SOO DR	HOUCK JAMES R	HURUHATA MASAAKI PROF
IVANOV-KHOLODNY G S DR	JAMES JOHN F MR	JARRETT ALAN H PROF
JOUBERT MARTINE	KAPLAN J DR	KARANDIKAR R V PROF
KARYGINA ZOYA V DR	KOUTCHMY SERGE DR	KULKARNI PRABHAKAR V PROF
LEINERT CHRISTOPH DR	LILLIE CHARLES F DR	LOPEZ-MORENO JOSE JUAN
LOPEZ-PUERTAS MANUEL	MATSUMOTO TOSHIO DR	MEGRELISHVILI T G PROF
MISCONI NEBIL YOUSIF DR	MOLINA ANTONIO	MORGAN DAVID H DR
MUKAI SONOYO DR	NAWAR SAMIR DR	NEUZIL LUDEK DR
NEY EDWARD P PROF	NICOLET MARCEL PROF	NISHIMURA TETSUO DR
PARESCIE FRANCESCO DR	PEARSE REGINALD W B DR	PFLEIDERER JORG PROF
PITZ ECKHART DR	RAPAPORT MICHEL DR	RIPKEN HARTMUT W DR
ROACH FRANKLIN E	ROBLEY R DR	RODRIGO RAFAEL
ROOSEN ROBERT G DR	ROZHKOVSKIJ DIMITRIJ A	SANCHEZ FRANCISCO PROF
SANCHEZ MAGRO C DR	SANCHEZ-SAAVEDRA M LUISA	SAXENA P P DR
SHAROV A S DR	SHEFOV NICOLAI N	SOBERMAN ROBERT K DR
SPARROW JAMES G DR	STAUDE HANS JAKOB PH D	TOROSHLIDZE TEIMURAZ I DR
TRUTSE YU L DR	TYSON JOHN A DR	VAN ALLEN JAMES A PROF
VAN DE HULST H C PROF DR	WALLACE LLOYD V DR	WEILL GILBERT M DR
WENIGER SCHAME DR	WITT ADOLF N DR	WOLSTENCROFT RAMON D DR
WOOLFSON MICHAEL M PROF	ZERULL REINER H DR	

COMMISSION No. 22

METEORS AND INTERPLANETARY DUST

(METEORES ET LA POUSSIERE INTERPLANETAIRE)

President : BABADZHANOV PULAT B DR

Vice-President(s) : KEAY COLIN S L PROF

Organizing Committee: BAGGALEY WILLIAM J PROF
 BELKOVICH O I DR
 ELFORD WILLIAM GRAHAM DR
 FECHTIG HUGO DR
 MANNER MARTHA S DR
 HASEGAWA ICHIRO DR
 MCDONNELL J A M PROF
 STOHL JAN DR
 TOMITA KOICHIRO MR

Members:

ABBOTT WILLIAM N DR	ANDERS EDWARD PROF	BEARD DAVID B DR
BHANDARI N DR	BIBARSOV RAVIL'SH DR	BLACKWELL ALAN TREVOR
BROWNLEE DONALD E PROF	CARUSI ANDREA	CEPLECHA ZDENEK DR
CEVOLANI GIORDANO	CLIFTON KENNETH ST	COOK ALLAN F DR
DAVIES JOHN G DR	FIREMAN EDWARD L	FORTI GIUSEPPE DR
GIESE RICHARD H PROF	GLASS BILLY PRICE DR	GOSWAMI J N DR
GRUEN EBERHARD DR	HAJDUK ANTON DR	HAJDUKOVA MARIA
HALLIDAY IAN DR	HARVEY GALE A DR	HASEGAWA HIROICHI DR
HAWKINS GERALD S DR	HEY JAMES STANLEY DR	HODGE PAUL W PROF
HONG SEUNG SOO DR	HOPPE J A PROF DR	HUGHES DAVID W DR
JACCHIA LUIGI G DR	JENNISON ROGER C PROF	JONES JAMES DR
KAISER THOMAS R PROF	KAPISINSKY IGOR	KASHSCHEEV B L PROF DR
KOEBERL CHRISTIAN DR	KOSTYLEV K V DR	KRAMER KH N DR
KRESAK LUBOR DR	KRESAKOVA MARGITA DR	KVIZ ZDENEK DR
LAMY PHILIPPE DR	LEBEDINETS V N DR	LEVASSEUR-REGOURD A.C. PR
LEVIN BORIS J DR	LINDBLAD BERTIL A DR	LOVELL SIR BERNARD PROF
MARVIN URSULA B DR	MCCROSKY RICHARD E DR	MCINTOSH BRUCE A DR
MEISEL DAVID D DR	MILES HOWARD G MR	MILLMAN PETER M DR
MISCONI NEBIL YOUSIF DR	NAKAZAWA KIYOSHI DR	NEWBURN RAY L JR
NUTH JOSEPH A III	O'KEEFE JOHN A DR	PADEVET VLADIMIR DR
PECINA PETR	PLAVEC ZDENKA DR	POLNITZKY GERHARD DR
PORUBCAN VLADIMIR DR	RAJCHL JAROSLAV DR	REVELLE DOUGLAS ORSON DR
RIPKEN HARTMUT W DR	ROOSEN ROBERT G DR	RUSSELL JOHN A PROF
SEKANINA ZDENEK DR	SHAO CHENG-YUAN	SIMEK MILOS DR
SOBERMAN ROBERT K DR	SOUTHWORTH R B DR	TEDESCO EDWARD F
TERENTJEVA ALEXANDRA K DR	VERNIANI FRANCO PROF	WEINBERG J L DR
WETHERILL GEORGE W	WHIPPLE FRED L DR	WILLIAMS IWAN P DR
WOOD JOHN A DR	WOOLFSON MICHAEL M PROF	YAMAKOSHI KAZUO
YAVNEL ALEXANDER A DR	YEOMANS DONALD K DR	ZVOLANKOVA JUDITA

COMMISSION No. 24

PHOTOGRAPHIC ASTROMETRY (ASTROMETRIE PHOTOGRAPHIQUE)

President : UPGREN ARTHUR R DR
 Vice-President(s) : VAN ALTENA WILLIAM F PROF

Organizing Committee: ARGUE A NOEL MR
 CORBIN THOMAS ELBERT DR
 DE VEGT CH PROF DR
 GLIESE WILHELM DR
 KANAIEV IVAN I DR
 LUTZ THOMAS E DR
 STOCK JURGEN D

Members:

ABHYANKAR KRISHNA D PROF	BASTIAN ULRICH	BENEDICT GEORGE F DR
BLAAUW ADRIAAN PROF DR	BOUIGUE ROGER PROF	BRANHAM RICHARD L JR
BRONNIKOVA NINA M	BROSCHKE PETER PROF	CHIU LIANG-TAI GEORGE
CHRISTY JAMES WALTER DR	CHURMS JOSEPH	CLUBE S V M DR
CONNES PIERRE DR	CREZE MICHEL DR	CUDWORTH KYLE MCCABE DR
DAHN CONARD CURTIS DR	DELHAYE JEAN PROF	DEUTSCH ALEKSANDR N PROF
DOMMANGET J DR	DOUGLASS GEOFFREY G	EICHHORN HEINRICH K DR
ELSMORE BRUCE DR	FALLON FREDERICK W DR	FANSELOW JOHN LYMAN
FIRNEIS FRIEDRICH J DR	FIRNEIS MARIA G DR	FRACASTORO MARIO G PROF
FRANZ OTTO G DR	FREDRICK LAURENCE W PROF	FRESNEAU ALAIN DR
GALLOUET LOUIS DR	GATEWOOD GEORGE DIRECTOR	GICLAS HENRY L MR
GOYAL A N DR	HANSON ROBERT B DR	HARRINGTON ROBERT S DR
HARWOOD DENNIS MR	HEINTZ WULFF D DR	HEMENWAY PAUL D
HERSHEY JOHN L DR	HEUDIER JEAN-LOUIS DR	HILL GRAHAM DR
HOFFLEIT E DORRIT DR	HUGHES JAMES A DR	IANNA PHILIP A
JAHREISS HARTMUT DR	JEFFERYS WILLIAM H DR	JOHNSTON KENNETH J
JONES BURTON DR	JONES DEREK H P DR	KISLYUK VITALIJ S DR
KLEMOLA ARNOLD R DR	KLOCK B L DR	KOLCHINSKI I G DR
KOVALEVSKY JEAN DR	LACROUTE PIERRE A PROF	LAPUSHKA K K DR
LATYPOV A A DR	LE POOLE RUDOLF S DR	LIPPINCOTT SARAH LEE DR
LOZINSKIJ A M DR	LU PHILLIP K DR	LUYTEN WILLEM J PROF
MARSCHALL LAURENCE A	MATIAGIN VALERY S DR	MCALISTER HAROLD A DR
MENNESSIER MARIE-ODILE DR	MEURERS JOSEPH PROF DR	MONET DAVID G
MURRAY C ANDREW	NICHOLSON WILLIAM	OJA TARMO PROF
ONEGINA A B DR	PAN RONG-SHI	PERRYMAN MICHAEL A C
PODOBED V V DR	POLOZHENTSEV DIMITRIJ DR	POTTER HEINO I DR
PROCHAZKA FRANZ V DR	QIN DAO	QUIJANO LUIS
REQUIEME YVES DR	RIZVANOV NAUFAL G DR	ROBERTSON WILLIAM H
ROEMER ELIZABETH PROF	ROESER SIEGFRIED DR	RUDER HANNS
RUSSELL JANE L DR	SANDERS W L PROF	SHI GUANG-CHEN
SIMS KENNETH P DR	SMITH CLAYTON A JR DR	STANGE LOTHAR
STEIN JOHN WILLIAM	STONE RONALD CECIL	STRAND KAJ AA DR
THOMAS DAVID V DR	TURON-LACARRIEU C DR	VALBOUSQUET ARMAND DR
VAN DE KAMP PETER	VASILEVSKIS STANISLAUS	WALTER HANS G DR
WAN LAI	WANG JIA-JI	WASSERMAN LAWRENCE H DR
WESSELINK ADRIAAN J DR	WESTERHOUT GART DR	WHITE GRAEME LINDSAY DR
WROBLEWSKI HERBERT DR	YOUNIS SAAD M	ZHOU XING-HAI

COMMISSION No. 25

STELLAR PHOTOGRAPHY AND POLARIMETRY

(PHOTOMETRIE ET POLARIMETRIE STELLAIRE)

President : RUFENER FREDY G PROF

Vice-President(s) : MCLEAN IAN S DR

Organizing Committee: BUSER ROLAND DR
 DACHS JOACHIM PROF DR
 EDWARDS PAUL J DR
 GLASS IAN STEWART DR
 KILKENNY DAVID DR
 MILLER JOSEPH S PROF
 MILONE EUGENE F PROF
 PENNY ALAN JOHN DR
 PIROLA VILPPU E DR
 SHAKHOVSKOJ N M DR
 TINBERGEN JAAP DR
 VRBA FREDERICK J DR
 WIELEBINSKI RICHARD PROF
 YOUNG ANDREW T DR

Members:

ABLES HAROLD D DR	ADELMAN SAUL J DR	ALBRECHT RUDOLF DR
ANGEL J ROGER P PROF	ANTHONY-TWAROG BARBARA J	ARGUE A NOEL MR
ARNAUD JEAN	ARSENIJEVIC JELISAVETA	ASHOK N M DR
AXON DAVID	BAHNG JOHN D R PROF	BALDINELLI LUIGI DR
BECK RAINER	BECKER WILHELM PROF	BEHR ALFRED PROF EMERITUS
BESSELL MICHAEL S DR	BLANCO VICTOR M DR	BOOKMYER BEVERLY B DR
BORGMAN JAN DR PROF	BORRA ERMANNO F DR	BREGER MICHEL DR
BROWN DOUGLAS NASON	BRUCK HERMANN A PROF	CARNEY BRUCE WILLIAM
CELIS LEOPOLDO DR	CHUGAJNOV P F DR	COUSINS A W J DR
COYNE GEORGE V DR	CRAWFORD DAVID L DR	DAHN CONARD CURTIS DR
DENOYELLE JOZEF KIC	DESHPANDE M R DR	DUBOUT RENEE
DUCATI JORGE RICARDO DR	EELSALU HEINO DR	FEINSTEIN ALEJANDRO DR
FERNIE J DONALD PROF	FITCH WALTER S DR	FORTE JUAN CARLOS DR
GALLOUET LOUIS DR	GEHRELS TOM PROF	GEHRZ ROBERT DOUGLAS DR
GHOSH S K DR	GOLAY MARCEL PROF	GOY GERALD PROF
GRAHAM JOHN A DR	GRAUER ALBERT D	GRENON MICHEL DR
GREWING MICHAEL PROF	GUTIERREZ-MORENO A DR MRS	HALL DOUGLAS S DR
HARDIE R PROF	HARWOOD DENNIS MR	HAUCK BERNARD PROF
HAYES DONALD S DR	HECK ANDRE DR	HENSBERGE HERMAN
HILDITCH RONALD W DR	HILL PHILIP W DR	HILTNER W ALBERT PROF
HOLMBERG ERIK B PROF	HU JING-YAO	HUANG LIN
HYLAND A R HARRY DR	IRWIN ALAN W DR	IYENGAR K V K PROF
JERZYKIEWICZ MIKOLAJ DR	JOSHI SURESH CHANDRA DR	KAWARA KIMIAKI
KEMP JAMES C	KEPLER S O	KNUDE JENS KIRKESKOV DR
KOCH ROBERT H DR	KRON GERALD E DR	KUNKEL WILLIAM E DR
KVIZ ZDENEK DR	LABHARDT LUKAS	LANDOLT ARLO U PROF
LANDSTREET JOHN D PROF	LASKARIDES PAUL G ASSPROF	LASKER BARRY M DR
LENZEN RAINER DR	LI SIN HYONG	LOCKWOOD G WESLEY DR

MEMBERSHIP OF COMMISSIONS

LUB JAN DR	LUNA HOMERO G. DR	MARKKANEN TAPIO DR
MARRACO HUGO G DR	MASANI A PROF	MAYER PAVEL DR
MCCARTHY MARTIN F DR	MENDOZA V EUGENIO E DR	MENZIES JOHN W DR
MIANES PIERRE DR	MINTZ BLANCO BETTY MRS	MITCHELL RICHARD MR
MOFFETT THOMAS J PROF	MORENO HUGO PROF	MOROSI CARLO
MORRIS STEPHEN C DR	MULLER A B DR	MUMFORD GEORGE S PROF
NICOLET BERNARD	NIKONOV V B DR	NOTNI P DR
OESTREICHER ROLAND	OSAWA KIYOTERU DR	OSKANYAN V S DR
PAGE ARTHUR MR	PEDREROS MARIO DR	PEL JAN WILLEM DR
PERRY CHARLES L DR	PFAU WERNER	PFEIFFER RAYMOND J
PHILIP A G DAVIS	RAO P VIVEKANANDA DR	ROBINSON EDWARD LEWIS DR
ROSLUND CURT DR	RYBKA EUGENIUSZ PROF DR	RYDGREN ALFRED ERIC JR DR
SARMA M B K PROF	SCHMIDT EDWARD G	SCHMIDT HANS PROF
SCHOENEICH W DR	SHAWL STEPHEN J DR	SMITH CHARLES DITTO
SMYTH MICHAEL J DR	STEINLIN ULI PROF	STOCK JURGEN D
STOCKMAN HERVEY S JR DR	STONE REMINGTON P S DR	STRAIZYS V PROF DR
STROHMEIER WOLFGANG PROF	SULLIVAN DENIS JOHN DR	SZKODY PAULA DR
TANDON S N PROF	TAPIA-PEREZ SANTIAGO	THOMAS JOHN A PROF
TODORAN IOAN DR	TOLBERT CHARLES R DR	TRODAHL HARRY JOSEPH DR
ULRICH BRUCE T PROF	URECHE VASILE DR	VARDANIAN R A DR
VAUGHAN ARTHUR H DR	VELGHE ALBERT G PROF DR	VERMA R P DR
VISVANATHAN NATARAJAN DR	WALKER ALISTAIR ROBIN DR	WALLENQUIST AAKE A E PROF
WALRAVEN TH DR	WANG CHUAN-JIN	WARREN WAYNE H JR DR
WEISTROP DONNA DR	WESSELINK ADRIAAN J DR	WESSELIUS PAUL R DR
WHITE NATHANIEL M DR	WILLSTROP RODERICK V DR	WINIARSKI MACIEJ
WISNIEWSKI WIESLAW Z	WOLSTENCROFT RAMON D DR	WOO JONG OK
WRANDEMARK STIG S O DR	YAMASHITA YASUMASA PROF	YIN JI-SHENG

COMMISSION No. 26

DOUBLE AND MULTIPLE STARS (ETOILES DOUBLES ET MULTIPLES)

President : RAKOS KARL D PROF

Vice-President(s) : MCALISTER HAROLD A DR

Organizing Committee: ABT HELMUT A DR
 GOUTEAU PAUL PROF
 DOMMANGET J DR
 FRACASTORO MARIO G PROF
 HARRINGTON ROBERT S DR
 KISELYOV ALEXEJ A DR

Members:

ALLEN CHRISTINE	AREND S DR	BACCHUS PIERRE PROF
BAIZE PAUL DR	BATTEN ALAN H DR	BERNACCA P L PROF
CABRITA EZEQUIEL DR	CESTER BRUNO PROF	CHEN ZHEN
CULVER ROGER BRUCE DR	DADAEV ALEKSANDR N DR	DEUTSCH ALEKSANDR N PROF
DOCOCO DURANTEZ JOSE A	DUNHAM DAVID W	EICHHORN HEINRICH K DR
FEKEL FRANCIS C	FERRER OSVALDO EDUARDO DR	FLETCHER J MURRAY
FRANZ OTTO G DR	FREITAS MOURAO R R DR	GATEWOOD GEORGE DIRECTOR
GEYER EDWARD H PROF DR	HERNANDEZ CARLOS ALBERTO	HERSHEY JOHN L DR
HIDAJAT BAMBANG PROF DR	HOLDEN FRANK	ISHIDA GORO DR
KULIKOVSKIJ P G DR	KUMSISHVILI J I DR	LIPPINCOTT SARAH LEE DR
LUYTEN WILLEM J PROF	MAGALASHVILI N L DR	MEYER CLAUDE DR
MIKKOLA SEPPON DR	MORBAY CHRISTOPHER L	MOREL PIERRE JACQUES DR
MULLER PAUL	PANNUNZIO RENATO	POPOVIC GEORGIJE DR
POVEDA ARCADIO DR	RUSSELL JANE L DR	SALUKVADZE G N DR
SCARDIA MARCO	SCARFE COLIN D DR	SHUL'BERG A M DR
STRAND KAJ AA DR	TAPIA MAURICIO DR	VALBOUSQUET ARMAND DR
VAN DE KAMP PETER	VAN DER HUCHT KAREL A DR	VAN DESSEL EDWIN LUDO DR
WALKER RICHARD L	WEIS EDWARD W DR	WIETH-KNUDSEN NIELS P DR
WILSON RAYMOND H DR	WORLEY CHARLES E	YAN LIN-SHAN

COMMISSION No. 27

VARIABLE STARS (ETOILES VARIABLES)

President : SZEIDL BELA DR
 Vice-President(s) : BREGER MICHEL DR

Organizing Committee: COX ARTHUR N DR
 GERSHBERG R E DR
 JERZYKIEWICZ MIKOLAJ DR
 MAVRIDIS L N PROF
 MIRZOYAN L V DR PROF
 PERCY JOHN R PROF
 SMITH MYRON A ASST PROF
 VAN GENDEREN A M DR
 WARNER BRIAN PROF

Members:

AIAD A DR	AIZENMAN MORRIS L DR	ALANIA I F DR
ANDO HIROYASU DR	ANTONELLO ELIO	ARELLANO FERRO ARMANDO
ARKHIPOVA V P DR	ARSENIJEVIC JELISAVETA	ASTERIADIS GEORGIOS DR
BAADE DIETRICH DR	BAGLIN ANNIE DR	BAKER NORMAN H PROF
BAKOS GUSTAV A PROF	BALONA LUIS ANTERO DR	BARNES III THOMAS G DR
BARTOLINI CORRADO	BARWIG HEINZ	BASTIEN PIERRE DR
BATESON FRANK M OBE DR	BATH GEOFFREY T DR	BELSERENE EMILIA P
BELVEDERE GAETANO DR	BERTHOMIEU GABRIELLE DR	BESSELL MICHAEL S DR
BIANCHINI ANTONIO DR	BOCHONKO D RICHARD DR	BOLTON C THOMAS PROF
BOND HOWARD E DR	BOPP BERNARD W DR	BOULON JACQUES J DR
BOYARCHUK A A DR	BOYARCHUK MARGARITA E DR	BURKI GILBERT DR
BUSKO IVO C DR	BUTLER C JOHN DR	BUTLER DENNIS DR
BYRNE PATRICK B DR	CATCHPOLE ROBIN MICHAEL	CHAVIRA ENRIQUE SR
CHEREPASHCHUK A M PROF	CHRISTENSEN-DALSGAARD J	CHRISTY ROBERT F DR
CHUGAJNOV P F DR	COGAN BRUCE C DR	COHEN MARTIN DR
CONNOLLY LEO PAUL	CONTADAKIS MICHAEL E DR	COULSON IAIN
COUTTS-CLEMENT CHRISTINE	DE GROOT MART DR	DELGADO ANTONIO JESUS
DEMERS SERGE DR	DEUPREE ROBERT G DR	DICKENS ROBERT J DR
DUPUY DAVID L DR	DZIEMBOWSKI WOJCIECH PROF	EDWARDS PAUL J DR
EFREMOV YURY N DR	EL-BASSUNY ALAWY A A	ESKIOGLU A NIHAT
EVANS ANEURIN	EVANS NANCY REMAGE DR	FADEYEV YURI A
FEAST MICHAEL W DR	FEIBELMAN WALTER A DR	FERLAND GARY JOSEPH
FERNIE J DONALD PROF	FITCH WALTER S DR	FRIEDJUNG MICHAEL DR
FROLOV M S DR	GAHM GOESTA F DR	GALLAGHER III JOHN S DR
GARRIDO RAFAEL	GASCOIGNE S C B DR	GEYER EDWARD H PROF DR
GIBSON DAVID MICHAEL DR	GIEREN WOLFGANG P DR	GLAGOLEVSKIJ JU V DR
GODOLI GIOVANNI PROF	GORBATSKY VITALIJ G PROF	GOUGH DOUGLAS O DR
GRAHAM JOHN A DR	GRASDALEN GARY L DR	GRYGAR JIRI DR
GUERRERO GIANANTONIO DR	GUINAN EDWARD FRANCIS DR	GURM HARDEV S PROF
GURSKY HERBERT DR	HACKWELL JOHN A DR	HAEFNER REINHOLD DR
HAISCH BERNHARD MICHAEL	HALL DOUGLAS S DR	HANSEN CARL J PROF
HARMANEC PETR DR	HARO GUILLERMO DR	HEISER ARNOLD M DR
HERBIG GEORGE H DR	HERR RICHARD B DR	HERS JAN MR
HESSER JAMES E DR	HEYDEN FRANCIS J SJ DR	HILL HENRY ALLEN DR

HILL PHILIP W DR	HOFFLEIT E DORRIT DR	HOUK NANCY DR
HURUHATA MASA AKI PROF	HUTCHINGS JOHN B DR	IBEN ICKO JR PROF
JARZEBOWSKI TADEUSZ DR	JIANG SHI-YANG	JONES ALBERT F MR
KADOURI TALIB HADI	KANYO SANDOR DR	KARP ALAN HERSH DR
KEPLER S O	KHOLOPOV P N DR	KIM TU HWAN
KIPPENHAHN RUDOLF PROF	KOPYLOV I M DR	KRAFT ROBERT P PROF
KRAUTTER JOACHIM DR	KREINER JERZY MAREK DR	KRZEMINSKI WOJCIECH DR
KUBIAK MARCIN A DR	KUHI LEONARD V PROF	KUMSISHVILI J I DR
KUNKEL WILLIAM E DR	KURTZ DONALD WAYNE DR	KWEE K K DR
LAGO MARIA TERESA V T MS	LANDOLT ARLO U PROF	LANEY CLIFTON
LASKARIDES PAUL G ASSPROF	LEDoux P J PROF	LEITE SCHEID PAULO DR
LEUNG KAM CHING PROF	LOCKWOOD G WESLEY DR	LUB JAN DR
LUUD LAURI DR	MADORE BARRY FRANCIS DR	MAEDER ANDRE PROF
MAFFEI PAOLO PROF	MAHMOUD FAROUK M A B DR	MAHRA H S DR
MAKARENKO EKATERINA N DR	MANNINO GIUSEPPE PROF	MANTEGAZZA LUCIANO
MARGRAVE THOMAS EWING JR	MARTIN WILLIAM L DR	MASANI A PROF
MATTEI JANET AKYUZ DR	MAYALL MARGARET W	MCNAMARA DELBERT H DR
MENNESSIER MARIE-ODILE DR	METZ KLAUS DR	MILONE EUGENE F PROF
MILONE LUIS A DR	MOFFETT THOMAS J PROF	MORGULEFF NINA ING
MORRISON NANCY DUNLAP DR	MUMFORD GEORGE S PROF	MURDIN PAUL G DR
NATHER R EDWARD	NEFF JOHN S	NIARCHOS PANAYIOTIS PH D
NIKOLOV ANDREJ DR	NUGIS TIIT	O'DONOGHUE DARRAGH
ODGERS GRAHAM J DR	OLAH KATALIN DR	OPOLSKI ANTONI PROF
OSAWA KIYOTERU DR	OSKANYAN V S DR	PAPALOIZOU JOHN C B DR
PAPOUSEK JIRI	PARSAMYAN ELMA S DR	PARTHASARATHY M DR
PATERNO LUCIO PROF	PELTIER LESLIE C	PETERSEN J O DR
PIIROLA VILPPU E DR	POPOVA MALINA D PROF DR	PRINGLE JAMES E DR
PROVOST JANINE DR	PSKOVSKIJ JU P DR	RAKOS KARL D PROF
RAO N KAMESWARA	RENSON P F M DR	RICHTER G A DR
ROBINSON EDWARD LEWIS DR	RODGERS ALEX W DR	RODONO MARCELLO DR
ROMANO GIULIANO PROF	ROMANOV YURI S DR	ROSINO LEONIDA PROF
ROUNTREE JANET DR	RUSSEV RUSCHO DR	SADIK AZIZ R DR
SAMUS NIKOLAI N DR	SANDMANN WILLIAM HENRY	SANYAL ASHIT DR
SAREYAN JEAN-PIERRE DR	SARMA M B K PROF	SATO NAONOBU PROF
SAWYER-HOGG HELEN B DR	SCHMIDT EDWARD G	SCHOEMBS ROLF DR
SCHWARTZ PHILIP R DR	SCHWARZENBERG-CZERNY A	SCUFLAIRE RICHARD DR
SHARA MICHAEL DR	SHERWOOD WILLIAM A DR	SHOBBROOK ROBERT R DR
SINVAH SHAMBHU DAYAL DR.	SMAK JOSEPH I PROF	SMEYERS PAUL PROF
SMITH HARLAN J PROF	STARRFIELD SUMNER PROF	STELLINGWERF ROBERT F DR
STAPIEN KAZIMIERZ DR	STERKEN CHRISTIAAN LEO DR	STIFT MARTIN JOHANNES DR
STOBIE ROBERT S DR	STROHMEIER WOLFGANG PROF	SZABADOS LASZLO PH D
SZECSENYI-NAGY GABOR DR	SZKODY PAULA DR	TAKEUTI MINE DR
TAMMANN G ANDREAS PROF DR	TEMPESTI PIERO PROF	TERZAN AGOP DR
TJIN-A-DJIE HERMAN R E DR	TORRES CARLOS ALBERTO DR	TREMKO JOZEF DR
TSESEVICH V P PROF DR	TSIOUMIS ALEXANDROS DR	TSVETKOV MILCHO K DR
TUTUKOV A V DR	TYLEND ROMUALD DR	USHER PETER D DR
VALTIER JEAN-CLAUDE DR	VAN AGT S L TH J DR	VAN HOOF A PROF EM
VIOTTI ROBERTO DR	VOGT NIKOLAUS DR	WACHMANN A A PROF DR
WAELEKENS CHRISTOFFEL	WALKER EDWARD N MR	WALKER MERLE F PROF
WALLERSTEIN GEORGE PROF	WALRAVEN TH DR	WEBBINK RONALD F DR
WEHLAU AMELIA DR	WEHLAU WILLIAM H PROF	WENZEL W DR
WESSELINK ADRIAAN J DR	WHITELOCK PATRICIA ANN DR	WILLIAMON RICHARD M
WILLSON LEE ANNE DR	WILSON LIONEL DR	WING ROBERT F PROF
WISNIEWSKI WIESLAW Z	WOOD PETER R DR	WRIGHT FRANCES W DR
XIONG DA-RUN	YAO BAO-AN	ZUCKERMAN BEN M DR

COMMISSION No. 28

GALAXIES (GALAXIES)

President : VAN DER KRUIT PIETER C DR

Vice-President(s) : TAMMANN G ANDREAS PROF DR

Organizing Committee: D'ODORICO SANDRO DR
 EINASTO JAAN DR
 KARACHENTSEV I D DR
 KHACHIKIAN E YE PROF
 LEQUEUX JAMES DR
 LI QI-BIN
 LYNDEN-BELL DONALD PROF
 QUINTANA HERNAN DR
 RUBIN VERA C DR
 TOOMRE ALAR DR
 WAKAMATSU KEN-ICHI DR

Members:

AARONSON MARC	ABLES HAROLD D DR	ADELMAN SAUL J DR
AGUERO ESTELA L DR	AHMAD FAROOQ DR	ALCAINO GONZALO DR
ALFVEN HANNES PROF	ALLADIN SALEH MOHAMED DR	ALLEN RONALD J DR
ALLOIN DANIELLE DR	AMBARTSUMIAN V A PROF DR	ANDRILLAT YVETTE DR
ARDEBERG ARNE L PROF	ARP HALTON DR	ATHANASSOULA EVANGELIE DR
AZZOPARDI MARC MR	BABADZHANIANC MICHAEL DR	BAHCALL JOHN N PROF
BAILLEY MARK EDWARD	BALKOWSKI-MAUGER CH DR	BALLABH G M DR
BARBIERI CESARE PROF	BARBON ROBERTO PROF	BASU BAIDYANATH PROF
BATTANER EDUARDO DR	BAUM WILLIAM A DR	BECK RAINER
BENEDICT GEORGE F DR	BERGERON JACQUELINE A DR	BERGVALL NILS AKE SIGVARD
BERKHUIJSEN ELLY M DR	BERMAN ROBERT HIRAM DR	BERTOLA FRANCESCO PROF
BETTONI DANIELA DR	BHATTACHARYYA TARA DR	BIAN YU-LIN
BIERMANN PETER L DR	BINETTE LUC	BINGGELI BRUNO
BINNEY JAMES J DR	BIRKINSHAW MARK	BLACKMAN CLINTON PAUL DR
BOERNGEN FREIMUT DR PH	BOESHAAR GREGORY ORTH DR	BOKSENBERG ALEC PROF
BONDI HERMANN PROF SIR	BORCHKHADZE TENGIZ M DR	BOSMA ALBERT DR
BOTTINELLI LUCETTE DR	BRACCESI ALESSANDRO PROF	BRECHER KENNETH PROF
BRINKMANN WOLFGANG	BRODIE JEAN P	BROSCHKE PETER PROF
BRUCK MARY T DR	BRUSTON PAUL DR	BURBIDGE E MARGARET PROF
BURBIDGE GEOFFREY R PROF	BURNS JACK O'NEAL JR	BURSTEIN DAVID
BUTCHER HARVEY R PROF DR	BYRD GENE G DR	CAMPUSANO LUIS E
CANNON RUSSELL D DR	CAPACCIOLI MASSIMO DR	CARRANZA G J DR
CARRASCO LUIS DR	CARSWELL ROBERT F DR	CARTER DAVID DR
CASINI CATERINA DR	CHAMARAUX PIERRE DR	CHEN JIAN-SHENG
CHEN ZHENCHENG	CHINCARINI GUIDO L DR	CHU YAOQUAN
CHUVAEV K K DR	CLAVEL JEAN	COLIN JACQUES DR
CONTOPOULOS GEORGE PROF	CORWIN HAROLD G JR	COUCH WARRICK DR
COURTES GEORGES PROF	COWSIK RAMANATH	DANKS ANTHONY C DR
DAVIDSEN ARTHUR FALNES DR	DAVIES RODNEY D PROF	DE LA NOE JEROME DR
DE SILVA L.N.K. DR	DE VAUCOULEURS GERARD DR	DEJONGHE HERWIG BERT DR
DEKEL AVISHAI	DENISYUK EDVARD K DR	DI FAZIO ALBERTO
DI SEREGO ALIGHIERI S DR	DI TULLIO GRAZIELLA DR	DIBAY E A DR
DICKENS ROBERT J DR	DICKEY JOHN M	DONNER KARL JOHAN DR

DOTTORI HORACIO A DR	DRESSEL LINDA L	DRESSLER ALAN
DREW JANET	DUBOIS PASCAL DR	DUBOUT RENEE
DULTZIN DEBORAH DR	DUVAL MARIE-FRANCE	EDMUNDS MICHAEL GEOFFREY
EFSTATHIOU GEORGE	EKERS RONALD D DR	EL-BASSUNY ALAWY A A
ELMEGREEN DEBRA MELOY	ELVIUS AINA M PROF	EMERSON DAVID
ESIPOV V F DR	FABBIANO GIUSEPPINA	FABER SANDRA M PROF
FABRICANT DANIEL G	FAIRALL ANTHONY P PROF	FALL S MICHAEL DR
FEAST MICHAEL W DR	FEHRENBACH CHARLES PROF	FEITZINGER JOHANNES PROF
FIELD GEORGE B PROF	FLIN PIOTR	FLORSCH ALPHONSE DR
FOLTZ CRAIG B.	FOHENKO ALEXANDR F DR	FORD HOLLAND C RES PROF
FORD W KENT JR DR	FRASER C W DR	FREEMAN KENNETH C PROF
FRIED JOSEF WILHELM DR	FROGEL JAY ALBERT DR	FTACLAS CHRIST
FUCHS BURKHARD DR	GALLAGHER III JOHN S DR	GALLETTA GIUSEPPE PROF
GAMALELDIN ABDULLA I DR	GASCOIGNE S C B DR	GERHARD OTWIN
GHIGO FRANCIS D DR	GIOVANARDI CARLO	GIOVANELLI RICCARDO DR
GLASS IAN STEWART DR	GOPALA RAO U V MR	GOSS W MILLER PROF
GOTTESMAN STEPHEN T DR	GOUGUENHEIM LUCIENNE	GRAHAM JOHN A DR
GRANDI STEVEN ALDRIDGE DR	GRASDALEN GARY L DR	GRIFFITHS RICHARD E DR
GUNN JAMES E PROF	GURZADIAN G A PROF DR	HAGEN-THORN V A DR
HAMABE MASARU DR	HARA TETSUYA DR	HARDY EDUARDO
HARMS RICHARD JAMES DR	HARO GUILLERMO DR	HE XIANG-TAO
HEESCHEN DAVID S DR	HEIDMANN JEAN DR	HICKSON PAUL DR
HINTZEN PAUL MICHAEL M DR	HJALMARSON AKE G DR	HODGE PAUL W PROF
HOLMBERG ERIK B PROF	HOYLE FRED SIR	HSIANG YAN-YU
HUANG JIE-HAO	HUANG KE-LIANG	HUCHRA JOHN PETER DR
HUCHTMEIER WALTER K DR	HUMPHREYS ROBERTA M PROF	HUNSTEAD RICHARD W DR
HUNTER JAMES H PROF	ILLINGWORTH GARTH D DR	ISSA ALI DR
JOHNSON HUGH M DR	JOLY MONIQUE	JONES THOMAS WALTER DR
JOSHI MOHAN N PROF	JUGAKU JUN DR	KAFATOS MINAS DR
KALAFI MANOUCHER	KALINKOV MARIN P DR	KALLOGLIAN ARSEN T DR
KANEKO NOBORU DR	KAUFMAN MICHELE DR	KEEL WILLIAM C
KELLERMANN KENNETH I DR	KENNICUTT ROBERT C JR	KIANG TAO PROF
KIM YUL	KING IVAN R PROF	KINMAN THOMAS D DR
KIRSHNER ROBERT PAUL DR	KLEIN ULRICH	KNAPP GILLIAN R DR
KOCHHAR R K DR	KODAIRA KEIICHI PROF	KOGOSHVILI NATELA G
KOJOIAN GABRIEL DR	KOPYLOV I M DR	KORMENDY JOHN DR
KOROVYAKOVSKIY YURIJ P DR	KRISHNA GOPAL	KRON RICHARD G
KRUMM NATHAN ALLYN	KUEHR HELMUT	KUMAR C KRISHNA DR
KUNDU MUKUL R DR	KUSTAAANHEIMO PAUL E PROF	LAFON JEAN-FIERRE J DR
LARSON RICHARD B PROF	LASKER BARRY M DR	LAUBERTS ANDRIS DR
LAUSBERG ANDRE DR	LAYZER DAVID PROF	LEACOCK ROBERT JAY
LELIEVRE GERARD DR	LI JING	LI XIAO-QING
LIN CHIA C PROF	LINDBLAD PER OLOF PROF	LIPOVETSKY V A
LIU RU-LIANG	LIU YONG-ZHEN	LO KWOK-YUNG DR
LORENZ HILMAR	LOVELACE RICHARD V E DR	LOW FRANK J DR
LUGGER PHYLLIS M	LUMINET JEAN-PIERRE	LYNDS BEVERLY T DR
LYNDS ROGER C DR	LYUTY VICTOR M DR	MA ER
MACCHETTO FERDINANDO DR	MACGILLIVRAY HARVEY T DR	MACKAY CRAIG D DR
MADORE BARRY FRANCIS DR	MALAGNINI MARIA LUCIA	MARCELIN MICHEL
MARK JAMES WAI-KEE DR	MARQUES DOS SANTOS P PROF	MARTINET LOUIS PROF
MATERNE JUERGEN DR	MATHEWSON DONALD S PROF	MAURICE ERIC N
MAVRIDES STAMATIA DR	MAY ANDREW	MAYALL NICHOLAS U ASTRON
MCBREEN BRIAN PHILIP DR	MCCLURE ROBERT D PROF	MCCREA WILLIAM SIR
MCGIMSEY BEN Q JR DR	MCVITTIE GEORGE C PROF	MEIER DAVID L
MEIKLE WILLIAM P S	MENON T K PROF	MILLER HUGH R PROF
MILLER JOSEPH S PROF	MILLER RICHARD H DR	MILLS BERNARD Y PROF
MIRABEL IGOR FELIX DR	MOLES MARIANO J DR	MOORWOOD ALAN F M
MORBEBY CHRISTOPHER L	MORGAN WILLIAM W PROF	MOSS CHRISTOPHER DR
MOULD JEREMY R	MURDOCH HUGH S DR	MURRAY STEPHEN S DR
MUZZIO JUAN C PROF	MacALPINE GORDON M	NARLIKAR JAYANT V PROF
NEUGEBAUER GERRY DR	NIETO JEAN-LUC	NISHIMURA MASAKI

NOONAN THOMAS W PROF	O'CONNELL ROBERT WEST DR	OEMLER AUGUSTUS JR DR
OKAMURA SADANORI DR	OKE J BEVERLEY PROF	OLEAK H DR
OMER GUY C JR PROF	OORT JAN H PROF	OSMAN ANAS MOHAMED DR
OSTERBROCK DONALD E PROF	OWEN FRAZER NELSON DR	PACHNER JAROSLAV PROF
PACHOLCZYK ANDRZEJ G PROF	PAGE THORNTON L DR	PAN NING-BAO
PAN RONG-SHI	PASTORIZA MIRIANI G DR	PATUREL GEORGES
PAYNE DAVID G	PEIMBERT MANUEL DR	PENG QIU-HE
PETERS WILLIAM L III DR	PETERSON BRADLEY MICHAEL	PETERSON CHARLES JOHN DR
PETROU MARIA DR	PHILLIPS MARK M DR	PISMIS DE RECILLAS PARIS
PIZZICHINI GRAZIELLA	POPOV VASIL NIKOLOV	POVEDA ARCADIO DR
PRABHU TUSHAR P	PRENDERGAST KEVIN H PROF	PRESS WILLIAM H DR
PREVOT-BURNICHON M.L. DR	PRITCHET CHRISTOPHER J DR	PRONIK I I DR
PRONIK V I DR	PROUST DOMINIQUE	REAVES GIBSON PROF
RICHER HARVEY B DR	RICKARD LEE J DR	RINDLER WOLFGANG PROF
ROBERTS MORTON S DR	ROBERTS WILLIAM W JR PROF	ROBERTSON JAMES GORDON DR
ROBINSON I PROF	ROESER HERMANN-JOSEF DR	ROOD HERBERT J
ROSA MICHAEL RICHARD DR	ROSE JAMES ANTHONY	ROSINO LEONIDA PROF
ROTS ARNOLD H DR	RUDNICKI KONRAD PROF	RYDBECK GUSTAF H B DR
SADLER ELAINE MARGARET	SALVADOR-SOLE EDUARDO	SANCISI RENZO DR
SANDERS ROBERT DR	SANTIN PAOLO DR	SARAZIN CRAIG L DR
SARGENT WALLACE L W DR	SASLAW WILLIAM C PROF	SASTRY SHANKARA K
SAVAGE ANN DR	SCHMIDT MAARTEN PROF	SCHUECKING E L DR
SCHULTZ G V DR	SCHULZ HARTMUT DR	SCHUSTER HANS-EMIL
SCHWARZ ULRICH J DR	SCHWEIZER FRANCOIS DR	SCIAMA DENNIS W DR
SCOTT ELIZABETH L PROF	SCOVILLE NICHOLAS Z	SEARLE LEONARD DR
SEGAL IRVING E DR	SEIDEN PHILIP E	SELLWOOD JEREMY ARTHUR
SERRANO ALFONSO DR	SERSIC J L DR	SETTI GIANCARLO PROF
SHAHBAZIAN ROMELIA K DR	SHAKESHAFT JOHN R DR	SHAVER PETER A DR
SHEN BENJAMIN S P PROF	SHERWOOD WILLIAM A DR	SHIELDS GREGORY A DR
SHORE STEVEN N	SHOSTAK G SETH DR	SIEMIEN FRANCOIS DR
SIMKIN SUSAN M DR	SITKO MICHAEL L	SMITH BRUCE F DR
SMITH HARDING E JR DR	SMITH HAYWOOD C DR	SMITH MALCOLM G DR
SOBOUTI YOUSEF PROF	SOLTAN ANDRZEJ MARIA DR	SONG GUO-XUAN
SPARKS WILLIAM BRIAN	SPINRAD HYRON PROF	STEIN WAYNE A PROF
STIBBS DOUGLAS W N PROF	STONE REMINGTON P S DR	STROM ROBERT G PROF
SU HONG-JUN	SUBRAHMANYAM P V DR	SULENTIC JACK W DR
SULLIVAN WOODRUFF T III	TAKARADA KATSUO DR	TAKASE BUNSHIRO PROF
TALBOT RAYMOND J JR DR	TEREBIZH VALERY YU DR	TERLEVICH ROBERTO JUAN
TERZIAN YERVANT PROF	THOMPSON LAIRD A DR	THONNARD NORBERT DR
THUAN TRINH XUAN DR	TIFFT WILLIAM G PROF	TOMITA KENJI PROF
TONG YI	TOVMASSIAN H M DR	TREDER H J PROF DR
TREMAINE SCOTT DUNCAN	TRIMBLE VIRGINIA L DR	TRINCHIERI GINEVRA
TULLY RICHARD BRENT DR	TURNER EDWIN L DR	TYSON JOHN A DR
ULRICH MARIE-HELENE D DR	URBANIK MAREK DR	VAN ALBADA TJEERD S DR
VAN DEN BERGH SIDNEY PROF	VAN DER HULST JAN M DR	VAN DER LAAN H PROF DR
VAN WOERDEN HUGO PROF DR	VARMA RAM KUMAR PROF	VERON MARIE-PAULE DR
VERON PHILIPPE DR	VISVANATHAN NATARAJAN DR	VORONTSOV-VEL'YAMINOV B A
WARD MARTIN JOHN	WARNER JOHN W DR	WEEDMAN DANIEL W PROF
WEHINGER PETER A DR	WELCH GARY A DR	WESTERLUND BENGT E PROF
WHITE SIMON DAVID MANION	WHITFORD ALBERT E PROF	WHITMORE BRADLEY C
WIELEBINSKI RICHARD PROF	WIELEN ROLAND PROF DR	WIITA PAUL JOSEPH
WILD PAUL PROF	WILKINSON ALTHEA	WILLIAMS BARBARA A
WILLIAMS ROBERT E DR	WILLIAMS THEODORE B DR	WILLS BEVERLEY J DR
WILLS DEREK DR	WILSON ALBERT G DR	WINKLER KARL-HEINZ A DR
WLERICK GERARD DR	WOOD ROGER DR	WOOSLEY S E PROF
WORRALL DIANA MARY	WRAY JAMES D DR	WYNN-WILLIAMS C G DR
YOUNG JUDITH SHARN	YOUNIS SAAD M	ZASOV ANATOLE V DR
ZEL'DOVICH YA B ACAD	ZHOU YOU-YUAN	ZINN ROBERT J DR
ZOU ZHEN-LONG		

COMMISSION No. 29

STELLAR SPECTRA (SPECTRES STELLAIRES)

President : CAYREL DE STROBEL GIUSA

Vice-President(s) : CONTI PETER S DR

Organizing Committee: BESSELL MICHAEL S DR
 BOESGAARD ANN M PROF
 JUGAKU JUN DR
 LAMBERT DAVID L PROF
 LEVATO ORLANDO HUGO DR
 SMITH MYRON A ASST PROF
 SMOLINSKI JAN DR
 SPIE MONIQUE DR
 WOLFF SIDNEY C DR

Members:

ABHYANKAR KRISHNA D PROF	ABT HELMUT A DR	AIKMAN G CHRIS L
ALLER LAWRENCE HUGH	ANDRILLAT HENRI L PROF	ANDRILLAT YVETTE DR
APPENZELLER IMMO PROF	ASLANOV I A DR	BAADE DIETRICH DR
BARATTA GIOVANNI BATTISTA	BARRY DON C DR	BERGER JACQUES G DR
BIDELMAN WILLIAM P PROF	BOGCESS ALBERT DR	BONSACK WALTER K PROF
BOUIGUE ROGER PROF	BOULON JACQUES J DR	BOYARCHUK A A DR
BRANDI ELISANDE ESTELA DR	BROWN DOUGLAS NASON	BRUHWEILER FRED C JR
BUES IRMELA D DR	BURKHART CLAUDE DR	BUSCOMBE WILLIAM PROF
CAMPBELL BRUCE DR	CARNEY BRUCE WILLIAM	CASSATELLA ANGELO DR
CASTELLI FIORELLA DR	CATALANO SANTO DR	CATCHPOLE ROBIN MICHAEL
CAYREL ROGER DR	CLIMENHAGA JOHN L PROF	CODE ARTHUR D
COWLEY ANNE P DR	COWLEY CHARLES R PROF	DE GROOT MART DR
DIVAN LUCIENNE DR	DOAZAN VERA DR	DOBRONRAVIN PETER DR
DOLIDZE MADONA V DR	DRAVINS DAINIS PROF	DUNCAN DOUGLAS KEVIN DR
DWORETSKY MICHAEL M DR	EDMONDS FRANK N JR DR	FARAGGIANA ROSANNA PROF
FEAST MICHAEL W DR	FERNANDEZ-FIGUEROA M J DR	FLOQUET MICHELE DR
FOY RENAUD DR	FREIRE FERRERO RUBENS G	FRIEDJUNG MICHAEL DR
FRINGANT ANNE-MARIE DR	FUJITA YOSHIO PROF	GARRISON ROBERT F PROF
GEHREN THOMAS PH D	GERBALDI MICHELE DR	GERSHBERG R E DR
GILRA DAYA P DR	GLAGOLEVSKIJ JU V DR	GLUSHNEVA I N DR
GOEBEL JOHN H DR	GOLDBERG LEO PROF	GRATTON LIVIO PROF
GRAY DAVID F PROF	GREENSTEIN J L PROF	GRIFFIN RITA E M DR
GRIFFIN ROGER F DR	GROTH HANS G PROF DR	GUSTAFSSON BENGT DR
GUTHRIE BRUCE N G DR	HACK MARGHERITA PROF	HAGEN WENDY ANNE
HARMANEC PETR DR	HARMER CHARLES F W MR	HARMER DIANNE L MRS
HARO GUILLERMO DR	HEARNSHAW JOHN B DR	HEINTZE J R W DR
HENIZE KARL G ASTRONAUT	HERBIG GEORGE H DR	HERMAN RENEE DR
HIRAI MASANORI DR	HIRATA RYUKO	HOUZIAUX L PROF
HUANG CHANG-CHUN	HUBENY IVAN	HUBERT-DELPPLACE A.-M. DR
HYLAND A R HARRY DR	JASCHEK CARLOS O R PROF	JASCHEK MERCEDES DR
JOHNSON HOLLIS R PROF	KEENAN PHILIP C PROF EMER	KHARITONOV ANDREJ V DR
KHOKHLOVA V L DR	KING R B DR	KIPPER TONU DR
KITCHIN CHRISTOPHER R DR	KODAIRA KEIICHI PROF	KOGURE TOMOKAZU DR
KOMAROV N S DR	KOPYLOV I M DR	KOUBSKY PAVEL
KOVACHEV B J DR	KRAFT ROBERT P PROF	KREMPEC-KRYGIER JANINA DR

MEMBERSHIP OF COMMISSIONS

KUMAJGORODSKAYA RAISA DR	LABS DIETRICH PROF	LAMLA ERICH E DR
LANGER GEORGE EDWARD DR	LARSSON-LEANDER G PROF	LECKRONE DAVID S DR
LESTER JOHN B DR	LOCANTHI DOROTHY DAVIS DR	LUUD LAURI DR
LYNAS-GRAY ANTHONY E	MAITZEN HANS M DR	MALARODA STELLA M DR
MATHYS GAUTIER DR	MCNAMARA DELBERT H DR	MEGESSIER CLAUDE DR
MILLIGAN J E	MOFFAT ANTHONY F J DR	MOOS HENRY WARREN DR
MORGULEFF NINA ING	MOROSI CARLO	MORRISON NANCY DUNLAP DR
MORTON DONALD C DR	MUSTEL E R PROF DR	NICHOLLS RALPH W PROF
NIKITIN A A DR	NISHIMURA SHIRO DR	OETKEN L DR
OKE J BEVERLEY PROF	ORLOV MIKHAIL DR	OSAWA KIYOTERU DR
PAGEL BERNARD E J PROF	PARSONS SIDNEY B DR	PARTHASARATHY M DR
PASINETTI LAURA E PROF	PATERSON-BEECKMANS F	PEAT D W DR
PEDOUSSAUT ANDRE	PEERY BENJAMIN F PROF	PERRIN MARIE-NOEL DR
PETERS GERALDINE JOAN DR	PETERSON RUTH CAROL DR	PILACHOWSKI CATHERINE DR
PLAVEC MIREK J PROF	POECKERT ROLAND H DR	PRESTON GEORGE W DR
QUERCI FRANCOIS R DR	QUERCI MONIQUE DR	RAMELLA MASSIMO
RAO N KAMESWARA	REGO FERNANDEZ M DR	REIMERS DIETER PROF
RINGUELET ADELA E DR	RODGERS ALEX W DR	ROSSI LUCIO
SADAKANE KOZO DR	SAHADE JORGE PROF	SCHILD RUDOLPH E DR
SCHOLZ GERHARD DR	SEGGEWISS WILHELM PROF	SHCHEGOLEV DIMITRIJ E DR
SHORE STEVEN N	SINNERSTAD ULF E PROF	SLETTEBAK ARNE PROF
SMAK JOSEPH I PROF	SNOW THEODORE P PROF	SPITE FRANCOIS M DR
STALIO ROBERTO DR	STAWIKOWSKI ANTONI DR	STECHER THEODORE P
STENCEL ROBERT EDWARD	SUNTZEFF NICHOLAS B	SVOLOPOULOS SOTIRIOS PROF
SWENSSON JOHN W DR	SWINGS JEAN-PIERRE DR	TAFFARA SALVATORE PROF
TAKADA-HIDAI MASAHIRO DR	THOMPSON G I DR	TSUJI TAKASHI
TUOMINEN ILKKA V DR	UNDERHILL ANNE B DR	UTSUMI KAZUHIKO DR
VAN DER HUHT KAREL A DR	VAN'T VEER-MENNERET CL DR	VILHU OSMI DR
VIOTTI ROBERTO DR	VOGT STEVEN SCOTT	VOIGT HANS H PROF
VREUX JEAN MARIE DR	WALLERSTEIN GEORGE PROF	WATERWORTH MICHAEL DR
WEGNER GARY ALAN	WEHINGER PETER A DR	WEHLAU AMELIA DR
WEHLAU WILLIAM H PROF	WEISS WERNER W DR	WELLMANN PETER PROF DR
WENIGER SCHAME DR	WILLIAMS PEREDUR M DR	WILSON ROBERT PROF
WING ROBERT F PROF	WOLF BERNHARD PH D	WOOD III H J DR
WRIGHT KENNETH O DR	WYCKOFF SUSAN DR	WYLLER ARNE A PROF
YAMASHITA YASUMASA PROF		

COMMISSION No. 30

RADIAL VELOCITIES (VITESSES RADIALES)

President : ANDERSEN JOHANNES

Vice-President(s) : LATHAM DAVID W DR

Organizing Committee: FLORSCH ALPHONSE DR
 MAURICE ERIC N
 MAYOR MICHEL DR
 MCCLURE ROBERT D PROF
 PHILIP A G DAVIS

Members:

ABT HELMUT A DR	AZZOPARDI MARC MR	BALONA LUIS ANTERO DR
BARBIER-BROSSAT M DR	BATTEN ALAN H DR	BEARDSLEY WALLACE R DR
BEAVERS WILLET I DR	BERTIAU FLOR C PROF	BOLTON C THOMAS PROF
BOUIGUE ROGER PROF	BOULON JACQUES J DR	BREGER MICHEL DR
BURKI GILBERT DR	BURNAGE ROBERT	CAMPBELL BRUCE DR
CARNEY BRUCE WILLIAM	CARQUILLAT JEAN-MICHEL	COCHRAN WILLIAM DAVID DR
CRAMPTON DAVID DR	DE JONGE J K DR	DE VAUCOULEURS GERARD PR
DUFLOT MARCELLE DR	EDMONDSON FRANK K PROF	EELSALU HEINO DR
FEHRENBACH CHARLES PROF	FLETCHER J MURRAY	GEORGELIN YVON P DR
GIESEKING FRANK DR	GRIFFIN ROGER F DR	HEINTZE J R W DR
HILL GRAHAM DR	HRIVNAK BRUCE J	HUANG CHANG-CHUN
HUBE DOUGLAS P DR	IMBERT MAURICE DR	KADOURI TALIB HADI
KARACHENTSEV I D DR	KRAFT ROBERT P PROF	MARTIN NICOLE DR
MORBAY CHRISTOPHER L	NORDSTROM BIRGITTA DR	OETKEN L DR
PEDOUSSAUT ANDRE	PERRY CHARLES L DR	POPOV VICTOR S DR
PRESTON GEORGE W DR	PREVOT LOUIS DR	REBEIROT EDITH DR
ROMANOV YURI S DR	RUBIN VERA C DR	SANWAL N B DR
SCARFE COLIN D DR	SMITH MYRON A ASST PROF	STOCK JURGEN D
VAN DESSEL EDWIN LUDO DR	WILLSTROP RODERICK V DR	YOSS KENNETH M DR

COMMISSION No. 31

TIME (L'HEURE)

President : MCCARTHY DENNIS D DR

Vice-President(s) : PAQUET PAUL EG DR

Organizing Committee: AOKI SHINKO PROF
 BENAVENTE JOSE
 BLINOV N S DR
 GUINOT BERNARD R PROF
~~HEM~~MLEB GERHARD DR
 KOVALEVSKY JEAN DR
 MIAO YONG-RUI
 MUELLER IVAN I PROF
 PILKINGTON JOHN D H DR
 PROVERBIO EDOARDO PROF
 YE SHU-HUA

Members:

ABELE M K DR	AFANASJEVA PRASKOVYA M DR	ALLAN DAVID W MR
BELOTSERKOVSKIJ DAVID J	BENDER PETER L DR	BILLAUD GERARD J
BONANOMI J DR	CAPRIOLI GIUSEPPE PROF	CARTER WILLIAM EUGENE
CHA GI UNG	CHAMBERLAIN JOSEPH M DR	COSTAIN CECIL C DR
DICKEY JEAN O'BRIEN	DOMINSKI IRENEUSZ DR	DORENWENDT KLAUS DR
DRAMBA C PROF	ENSLIN HEINZ DR	FALLON FREDERICK W DR
FLIEGEL HENRY F	FUJIMOTO MASA-KATSU DR	GAIGNEBET JEAN DR
GOKMEN TARIK ASSOC PROF	GONG HUI-REN	GRUDLER PIERRE
HALL R GLENN DR	HAN TIANQI	HELLWIG HELMUT WILHELM DR
HERS JAN MR	IJIMA SHIGETAKA PROF	JIN WEN-JING
KAKUTA CHUICHI DR	KESSLER KARL G DR	KLEPCZYNSKI WILLIAM J DR
KOBAYASHI YUKISAYU	LEDERLE TRUDPERT DR	LIANG ZHONG-HUAN
LIESKE JAY H DR	LOZINSKIJ A M DR	LUO DINGCHANG
LUO SHI-FANG	MARKOWITZ WILLIAM DR	MATHUR B S DR
MATSAKIS DEMETRIOS N	MELBOURNE WILLIAM G DR	MELCHIOR PAUL J PROF DIR
MORGAN PETER DR	NAUMOV VITALIJ A DR	NIIMI YUKIO
NOEL FERNANDO	ORTE ALBERTO	PARCELIER PIERRE DR
POPELAR JOSEF DR	PUSHKIN SERGEY B DR	RANDIC LEO PROF DR
ROBERTSON DOUGLAS S	SCHULER WALTER DR	SINZI AKIRA M DR
SMITH HUMPHRY M	SMYLIE DOUGLAS E DR	SONG JIN-AN
STANILA GEORGE DR	STOYKO ANNA	TAKAGI SHIGETSUGU DR
TSAO MO PROF	TSUCHIYA ATSUSHI DR PROF	VICENTE RAIMUNDO O PROF
WACKERNAGEL H BEAT DR	WEBROVA LUDMILA DR	WIETH-KNUDSEN NIELS P DR
WILKINS GEORGE A DR	WINKLER GERNOT M R DR	WU SHOU-XIAN
YANG KE-JUN	YUMI S PROF DR	ZHAI ZAOCHENG
ZHANG JINTONG	ZHAO GANG	ZHENG YING
ZHUANG QIXIANG		

COMMISSION No. 33

STRUCTURE AND DYNAMICS OF THE GALACTIC SYSTEM
(STRUCTURE ET DYNAMIQUE DU SYSTEME GALACTIQUE)

President : BURTON W BUTLER DR

Vice-President(s) : MAYOR MICHEL DR

Organizing Committee: BAHCALL JOHN N PROF
BALAZS LAJOS G DR
BINNEY JAMES J DR
BLITZ LEO
EINASTO JAAN DR
LYNGA GOSTA DR
TOSA MAKOTO DR
WIELEN ROLAND PROF DR

Members:

AARSETH SVERRE J DR	AGEKJAN TATEOS A PROF	AIZU KO PROF
ALTENHOFF WILHELM J DR	AMBARTSUMIAN V A PROF DR	AMBASTHA A K DR
ANDRLE PAVEL DR	ANTONOV VADIM A DR	AOKI SHINKO PROF
ARDEBERG ARNE L PROF	ASTERIADIS GEORGIOS DR	ATHANASSOULA EVANGELIE DR
BALDWIN JOHN E DR	BARBANIS BASIL PROF	BARBERIS BRUNO
BASH FRANK N PROF	BASU BAIDYANATH PROF	BAUD BOUDEWIJN DR
BECKER WILHELM PROF	BERKHUIJSEN ELLY M DR	BLAAUW ADRIAAN PROF DR
BLANCO VICTOR M DR	BOULON JACQUES J DR	BURKE BERNARD F DR
CALDWELL JOHN A R	CANE HILARY VIVIEN	CARRASCO LUIS DR
CASWELL JAMES L DR	CHEN ZHEN	CHURCHWELL EDWARD B DR
CIURLA TADEUSZ	CLUBE S V M DR	COHEN RICHARD S
COLIN JACQUES DR	COMINS NEIL FRANCIS	CONTOPOULOS GEORGE PROF
COSTA EDGARDO DR	COURTES GEORGES PROF	CRAMPTON DAVID DR
CRAWFORD DAVID L DR	CREZE MICHEL DR	CUDWORTH KYLE MCCABE DR
CUPERMAN SAMI PROF	DAVIES RODNEY D PROF	DE JONG TEIJE DR
DEKEL AVISHAI	DELHAYE JEAN PROF	DENOYELLE JOZEF KIC
DICKEL HELENE R DR	DICKEL JOHN R	DIETER NANNIELOU H DR
DOWNES DENNIS DR	DRILLING JOHN S	DUCATI JORGE RICARDO DR
DZIGVASHVILI R M DR	EDMONDSON FRANK K PROF	EFREMOV YURY N DR
EGRET DANIEL DR	ELMEGREEN DEBRA MELOY	ELSAESSER HANS PROF
ELVIUS TORD PROF EMERITUS	EVANGELIDIS E DR	FABER SANDRA M PROF
FALL S MICHAEL DR	FEAST MICHAEL W DR	FEHRENBACH CHARLES PROF
FEITZINGER JOHANNES PROF	FENKART ROLF P PROF DR	FITZGERALD M PIM PROF
FREEMAN KENNETH C PROF	FRICKE WALTER PROF DR	FUCHS BURKHARD DR
FUJIMOTO MASA-KATSU DR	GALLETTO DIONIGI	GENKIN IGOR L PROF DR
GEORGELIN YVON P DR	GEORGELIN YVONNE M DR	GILMORE GERARD FRANCIS
GLIESE WILHELM DR	GOLDREICH P DR	GORDON MARK A DR
GRAYZECK EDWIN J DR	GYLDENKERNE KJELD DR	HABE ASAO
HABING H J DR	HAMAJIMA KIYOTOSHI DR	HAUG ULRICH PROF
HAWKINS MICHAEL R S	HAYLI AVRAM PROF	HEILES CARL PROF
HENON MICHEL C DR	HERBST WILLIAM DR	HOBBS ROBERT W DR
HORI GENICHIRO PROF	HUGHES VICTOR A PROF	HULSBOSCH A N M DR
HUMPHREYS ROBERTA M PROF	HUNTER CHRISTOPHER PROF	IKEUCHI SATORU DR
INAGAKI SHOGO DR	INNANEN KIMMO A PROF	IRWIN JOHN B PROF
ISOBE SYUZO DR	ISRAEL FRANK P DR	IWANISZEWSKA CECYLIA DR

IWANOWSKA WILHELMINA PROF	IYE MASANORI DR	JACKSON PETER DOUGLAS DR
JAHREISS HARTMUT DR	JASCHEK CARLOS O R PROF	JIANG DONG-RONG
JOHNSON HUGH M DR	JONES DEREK H P DR	KABURAKI MASAKI PROF
KALANDADZE N B DR	KALNAJS AGRIS J DR	KATO SHOJI PROF
KERR FRANK J DR	KHARADZE E K PROF	KHOLOPOV P N DR
KING IVAN R PROF	KINMAN THOMAS D DR	KLARE GERHARD DR
KNAPP GILLIAN R DR	KOLESNIK IGOR G DR	KOLESNIK L N DR
KORMENDY JOHN DR	KULSRUD RUSSELL M DR	KUTUZOV S A DR
KUZMIN GRIGORI G PROF	LAFON JEAN-PIERRE J DR	LARSON RICHARD B PROF
LECAR MYRON DR	LI JING	LIN CHIA C PROF
LINDBLAD PER OLOF PROF	LOCKMAN FELIX J	LODEN KERSTIN R DR
LODEN LARS OLOF PROF	LUNEL MADELEINE DR	LUYTEN WILLEM J PROF
LYNDEN-BELL DONALD PROF	MACCONNELL DARRELL J DR	MACRAE DONALD A PROF
MANCHESTER RICHARD N DR	MARK JAMES WAI-KEE DR	MACROCHNIK L S PROF DR
MARTINET LOUIS PROF	MATHEWSON DONALD S PROF	MAVRIDIS L N PROF
MCCARTHY MARTIN F DR	MCGREGOR PETER JOHN DR	MENNESSIER MARIE-ODILE DR
MEZGER PETER G PROF	MIKKOLA SEPPO DR	MILLER RICHARD H DR
MIRABEL IGOR FELIX DR	MIRZOYAN L V DR PROF	MIYAMOTO MASANORI DR
MOFFAT ANTHONY F J DR	MONET DAVID G	MONNET GUY J DR
MORRIS MARK ROOT DR	MUENCH GUIDO PROF	MURRAY C ANDREW
MUZZIO JUAN C PROF	NAHON FERNAND PROF	NECKEL TH DR
NELSON ALISTAIR H DR	NIIMI HIDEYUKI DR	NINKOVIC SLOBODAN
NISHIDA MINORU PROF	NISHIDA MITSUGU	OGORODNIKOV KYRILL P PROF
OJA TARMO PROF	OKUDA HARUYUKI DR PROF	OLANO CARLOS ALBERTO DR
OLLONGREN A PROF DR	OORT JAN H PROF	OSTRIKER JEREMIAH P PROF
OVENDEN MICHAEL W PROF	PALMER PATRICK E PROF	PALOUS JAN DR
PAPAYANNOPOULOS TH DR	PAULS THOMAS ALBERT DR	PAVLOVSKAYA E D DR
PEIMBERT MANUEL DR	PEREK LUBOS DR	PERRY CHARLES L DR
PESCH PETER DR	PHILIP A G DAVIS	PILOWSKI K PROF DR
PISMIS DE RECILLAS PARIS	PRICE R MARCUS DR	PRIESTER WOLFGANG PROF
QIAN ZHONG-YU	RAMBERG JOERAN M PROF	REID NEILL
RIEGEL KURT W DR	ROBERTS MORTON S DR	ROBERTS WILLIAM W JR PROF
ROBINSON BRIAN J DR	ROHLFS K PROF DR	RONG JIAN-XIANG
RUBIN VERA C DR	RUIZ MARIA TERESA DR	RYBICKI GEORGE B DR
SAAR ENN DR	SANCHEZ-SAAVEDRA M LUISA	SANDQVIST AAGE DR
SANDULEAK NICHOLAS DR	SANG GAK LEE	SCHMIDT HANS PROF
SCHMIDT K H DR	SCHMIDT MAARTEN PROF	SCHMIDT-KALER TH PROF
SCHWERDTFEGER HANS-M. DR	SEGGEWISS WILHELM PROF	SELLWOOD JEREMY ARTHUR
SHANE WILLIAM W DR	SHAROV A S DR	SHER DAVID DR
SHIMIZU TSUTOMU PROF EMER	SHU FRANK H PROF	SHUTER WILLIAM L H DR
SIMONSON S CHRISTIAN DR	SLETTEBAK ARNE PROF	SOLOMON PHILIP M DR
SONG GUO-XUAN	SPARKE LINDA	SPIEGEL E DR
STECKER FLOYD W DR	STEFANOVITCH-GOMEZ A E DR	STEINLIN ULI PROF
STEPHENSON C BRUCE PROF	STIBBS DOUGLAS W N PROF	STROBEL ANDRZEJ DR
STURCH CONRAD R DR	SVOLOPOULOS SOTIRIOS PROF	SZEBEHELY VICTOR G PROF
TAMMANN G ANDREAS PROF DR	TERZIDES CHARALAMBOS DR	THE PIK-SIN PROF
THIELHEIM KLAUS O DR	TOBIN WILLIAM	TONG YI
TOOMRE ALAR DR	TOOMRE JURI	TREFZGER CHARLES F DR
TSIOUMIS ALEXANDROS DR	TURON-LACARRIEU C DR	UPGREN ARTHUR R DR
VAN DER KRUIT PIETER C DR	VAN HOOF A PROF EM	VAN WOERDEN HUGO PROF DR
VANDERVOORT PETER O DR	VARSAVSKY C M DR	VEGA E. IRENE DR
VELGHE ALBERT G PROF DR	VENUGOPAL V R DR	VERSCHUUR GERRIT L PROF
VETESNIK MIROSLAV DR	VOROSHILOV V I DR	WAYMAN PATRICK A PROF
WEAVER HAROLD F PROF	WEISTROP DONNA DR	WESTERHOUT GART DR
WESTERLUND BENGT E PROF	WHITE RAYMOND E DR	WHITEOAK J B DR
WHITTET DOUGLAS C B DR	WIELEBINSKI RICHARD PROF	WILSON THOMAS L DR
WOLTJER LODEWIJK PROF	WOODWARD PAUL R DR	WRANDEMARK STIG S O DR
YOSHII YUZURU DR	YOUNIS SAAD M	YUAN CHI PROF
ZHANG BIN	ZHAO JUN-LIANG	

COMMISSION No. 34

INTERSTELLAR MATTER (MATIERE INTERSTELLAIRE)

President : LEQUEUX JAMES DR

Vice-President(s) : MATHIS JOHN S PROF

Organizing Committee: D'ODORICO SANDRO DR
 DE BOER KLAAS SJOERDS DR
 ELMEGREEN BRUCE GORDON DR
 FLOWER DAVID R DR
 HABING H J DR
 PEIMBERT MANUEL DR
 SHAVER PETER A DR
 SHUSTOV BORIS M DR
 WANNIER PETER GREGORY DR
 YORK DONALD G DR

Members:

AANNESTAD PER ARNE DR	ACKER AGNES PROF DR	AITKEN DAVID K DR
AKABANE KENJI A PROF	ALDROVANDI SUELI M V DR	ALLER LAWRENCE HUGH
ALTENHOFF WILHELM J DR	ANDREW BRYAN H DR	ANDRIESSE CORNELIS D DR
ANDRILLAT HENRI L PROF	ANDRILLAT YVETTE DR	ARKHIPOVA V P DR
ARNY THOMAS T DR	AVERY LORNE W DR	AXFORD W IAN PROF
BAARS JACOB W M DR	BAART EDWARD E PROF	BALDWIN JOHN E DR
BALUTEAU JEAN-PAUL	BANIA THOMAS MICHAEL	BARLOW MICHAEL J DR
BARNES AARON DR	BARRETT ALAN H PROF	BASH FRANK N PROF
BAUDRY ALAIN DR	BECKLIN ERIC E DR	BECKMAN JOHN E PROF
BECKWITH STEVEN V W	BEL NICOLE J DR	BERGERON JACQUELINE A DR
BERKHUIJSEN ELLY M DR	BERNAT ANDREW PLOUS DR	BHATT H C DR
BIANCHI LUCIANA	BIEGING JOHN HAROLD DR	BIGNELL R CARL DR
BINETTE LUC	BIRKLE KURT PH D	BLACK JOHN HARRY DR
BLADES JOHN CHRIS DR	BLAIR GUY NORMAN DR	BLESS ROBERT C PROF
BOCHKAREV NIKOLAY G DR	BODE MICHAEL F	BOESHAAR GREGORY ORTH DR
BOGGESS ALBERT DR	BOHLIN RALPH C DR	BOLAND WILFRIED
BORGMAN JAN DR PROF	BRAND PETER W J L DR	BRAUNSFURTH EDWARD PH D
BRINKMANN WOLFGANG	BROMAGE GORDON E DR	BROWN RONALD D PROF
BRUCK MARY T DR	BRUHWEILER FRED C JR	BURGESS ALAN DR
BURKE BERNARD F DR	BURTON W BUTLER DR	BYSTROVA NATALIJA V DR
CANTO JORGE DR	CAPPA DE NICOLAU CRISTINA	CAPRIOTTI EUGENE R DR
CAPUZZO DOLCETTA ROBERTO	CARRUTHERS GEORGE R DR	CASWELL JAMES L DR
CERRUTI-SOLA MONICA	CERSOSIMO JUAN CARLOS DR	CESARSKY CATHERINE J DR
CESARSKY DIEGO A DR	CHEVALIER ROGER A DR	CHINI ROLF
CHOPINET MARGUERITE DR	CHURCHWELL EDWARD B DR	CLARK FRANK OLIVER DR
CLEGG ROBIN E S DR	CODE ARTHUR D	COHEN MARSHALL H PROF
COLLIN-SOUFFRIN SUZY DR	COSTERO RAFAEL	COURTES GEORGES PROF
COWIE LENNOX LAUCLAN DR	COX DONALD P PROF	COYNE GEORGE V DR
CROVISIER JACQUES	CRUVELLIER PAUL E DR	CUDABACK DAVID D DR
CUGNON PIERRE DR	CZYZAK STANLEY J DR	DAHAN CONARD CURTIS DR
DALGARNO ALEXANDER PROF	DANKS ANTHONY C DR	DAVIES RODNEY D PROF
DE JONG TEIJE DR	DE LA NOE JEROME DR	DEGUCHI SHUJI DR
DEWDNEY PETER E F DR	DIBAY E A DR	DICKEL HELENE R DR

MEMBERSHIP OF COMMISSIONS

DICKEY JOHN M	DINERSTEIN HARRIET L	DISNEY MICHAEL J PROF
DOKUCHAEVA OLGA D DR	DONN BERTRAM D	DOPITA MICHAEL ANDREW DR
DORSCHNER JOHANN DR	DOTTORI HORACIO A DR	DOWNES DENNIS DR
DRAINE BRUCE T	DRAPATZ SIEGFRIED W DR	DREHER JOHN W
DUBOUT RENEE	DUFOUR REGINALD JAMES	DUPREE ANDREA K DR
DWEK ELI	DYSON JOHN E DR	EL SHALABY MOHAMED
ELITZUR MOSHE	ELLIOTT KENNETH H DR	ELMEGREEN DEBRA MELOY
ELVIUS AINA M PROF	EMERSON JAMES P	ENCRENAZ FIERRE J DR
ESIPOV V F DR	EVANS NEAL J II ASS PROF	FALK SYDNEY W JR DR
FALLE SAMUEL A DR	FAN YING	FAULKNER DONALD J DR
FEDERMAN STEVEN ROBERT	FEIBELMAN WALTER A DR	FEITZINGER JOHANNES PROF
FELLI MARCELLO DR	FELTEN JAMES E DR	FERRINI FEDERICO
FIELD DAVID	FIELD GEORGE B PROF	FIERRO JULIETA
FLANNERY BRIAN PAUL DR	FORD HOLLAND C RES PROF	FORSTER JAMES RICHARD DR
FRIEDEMANN CHRISTIAN DR	FRISCH PRISCILLA	FURNISS IAN
GARDNER FRANCIS F DR	GAUSTAD JOHN E PROF	GAY JEAN DR
GEHRELS TOM PROF	GEORGELIN YVON P DR	GERARD ERIC DR
GEROLA HUMBERTO DR	GEZARI DANIEL YSA DR	GILRA DAYA P DR
GIOVANELLI RICCARDO DR	GODFREY PETER DOUGLAS DR	GOEBEL JOHN H DR
GOLDREICH P DR	GOLDSMITH DONALD W. DR.	GOLDSMITH PAUL F DR
GOLDSTEIN SAMUEL J PROF	GOLDSWORTHY FREDERICK A	GORDON COURTNEY P PROF
GORDON MARK A DR	GOSACHINSKIJ I V DR	GOSS W MILLER PROF
GRAHAM DAVID A	GRASDALEN GARY L DR	GREENBERG J MAYO DR
GREWING MICHAEL PROF	GUELIN MICHEL DR	GUESTEN ROLF
GULL THEODORE R DR	GURZADIAN G A PROF DR	GUSEINOV O H PROF
HACKWELL JOHN A DR	HALL JOHN S DR	HARDEDECK ELLEN G DR
HARRINGTON J PATRICK DR	HARRIS ALAN WILLIAM	HARRIS STELLA
HARTEN RONALD H DR	HARTQUIST THOMAS WILBUR	HARVEY PAUL MICHAEL DR
HAYNES RAYMOND F PROF	HEFELE HERBERT PH D	HEILES CARL PROF
HELPER H LAWRENCE PROF	HENIZE KARL G ASTRONAUT	HENKEL CHRISTIAN
HERZBERG GERHARD DR	HIDAJAT BAMBANG PROF DR	HIGGS LLOYD A DR
HILDEBRAND ROGER H	HILTNER W ALBERT PROF	HIPPELEIN HANS H DR
HJALMARSON AKE G DR	HJELLMING ROBERT M DR	HOBBS LEWIS M DR
HOEGLUND BERTIL PROF	HOLLENBACH DAVID JOHN DR	HOLLIS JAN MICHAEL DR
HONG SEUNG SOO DR	HOUZIAUX L PROF	HUA CHON TRUNG DR
HUGHES VICTOR A PROF	HULSBOSCH A N M DR	HUMMER DAVID G DR
HUTCHINGS JOHN B DR	IRVINE WILLIAM M PROF	ISOBE SYUZO DR
ISSA ALI DR	ITOH HIROSHI DR	JABIR NIAMA LAFTA
JACOBY GEORGE H	JENKINS L F MS	JENNINGS R E PROF
JOHNSON FRED M PROF DR	JOHNSON HUGH M DR	JOHNSTON KENNETH J
JONES FRANK CULVER DR	JURA MICHAEL DR	KAFATOS MINAS DR
KAFTAN MAY A DR	KAHN FRANZ D PROF	KAIFU NORIO DR
KALER JAMES B PROF	KAMIJO FUMIO PROF DR	KAZES ILYA DR
KEGEL WILHELM H PROF	KERR FRANK J DR	KHARADZE E K PROF
KHROMOV G S DR	KIMURA HIROSHI DR	KIRKPATRICK RONALD C DR
KIRSHNER ROBERT PAUL DR	KNACKE ROGER F DR	KNAPP GILLIAN R DR
KNUDE JENS KIRKESKOV DR	KOEPPEN JOACHIM DR	KOHOUTEK LUBOS DR
KOLESNIK IGOR G DR	KOMESAROFF MAX M	KONDO YOJI DR
KOORNNEEF JAN DR	KOSTYAKOVA ELENA B DR	KRAUTTER JOACHIM DR
KREYSA ERNST	KRISHNA SWAMY K S DR	KUIPER THOMAS B H DR
KUMAR C KRISHNA DR	KUNDU MUKUL R DR	KUTNER MARC LESLIE DR
KWITTER KAREN BETH DR	KWOK SUN DR	KYLAFIS NIKOLAOS D DR
LADA CHARLES JOSEPH DR	LANGER WILLIAM DAVID DR	LASKER BARRY M DR
LAURENT CLAUDINE DR	LE SERGEANT D'HENDECOURT	LE SQUEREN ANNE-MARIE DR
LEE TERENCE J DR	LEUNG CHUN MING DR	LILLER WILLIAM DR
LIN CHIA C PROF	LINKE RICHARD ALAN DR	LISZT HARVEY STEVEN
LO KWOK-YUNG DR	LOCKMAN FELIX J	LOREN ROBERT BRUCE DR
LORTET MARIE CLAIRE	LOUISE RAYMOND PROF	LOVAS FRANCIS JOHN DR
LOW FRANK J DR	LOZINSKAYA TAT'YANA A DR	LUCAS ROBERT DR

LUTZ BARRY L DR
 MACLEOD JOHN M DR
 MANCHESTER RICHARD N DR
 MARTIN ROBERT N DR
 MATHEWSON DONALD S PROF
 MCCRAY RICHARD DR
 MCKEE CHRISTOPHER F PROF
 MEABURN J DR
 MELNICK GARY J
 MESZAROS PETER DR
 MILLAR THOMAS J DR
 MININ I N PROF
 MIZUNO SHUN
 MORRIS MARK ROOT DR
 MUENCH GUIDO PROF
 NAKADA YOSHIKAZU DR
 NGUYEN-QUANG RIEU DR
 NUSSBAUMER HARRY PROF
 O'DELL STEPHEN L
 OLOFSSON HANS
 OSAKI TORU DR
 OZERNOY LEONID M PROF
 PANAGIA NINO DR
 PAULS THOMAS ALBERT DR
 PENZIAS ARNO A DR
 PETERS WILLIAM L III DR
 PHILLIPS THOMAS GOULD DR
 POTTASCH STUART R PROF
 PRICE R MARCUS DR
 PUGET JEAN-LOUP DR
 RAIMOND ERNST DR
 REYNOLDS RONALD J DR
 ROBBINS R ROBERT PROF
 RODRIGUEZ LUIS F
 ROGERS ALAN E E DR
 ROSE WILLIAM K DR
 ROZHKOVSKIY DIMITRIJ A
 RUBIN VERA C DR
 SALINARI PIERO
 SANCHEZ-SAAVEDRA M LUISA
 SANDQVIST AAGE DR
 SATO SHUJI DR
 SCALO JOHN MICHAEL
 SCHERB FRANK PROF
 SCHMIDT THOMAS DR
 SCHULZ ROLF ANDREAS
 SCHWARZ ULRICH J DR
 SEKI MUNEO DR
 SHAO CHENG-YUAN
 SHAWL STEPHEN J DR
 SHIELDS GREGORY A DR
 SHUTER WILLIAM L H DR
 SILVESTRO GIOVANNI
 SITKO MICHAEL L
 SMITH BARHAM W DR
 SNELL RONALD L
 SOFIA SABATINO PROF
 SOMERVILLE WILLIAM B DR
 STECHER THEODORE P
 LYNDS BEVERLY T DR
 MAIHARA TOSHINORI DR
 MANFROID JEAN DR
 MASSON COLIN R
 MATTILA KALEVI DR
 MCCREA J DERMOTT
 MCKEITH CONAL D DR
 MEBOLD ULRICH DR PROF
 MENDEZ ROBERTO H DR
 MEZGER PETER G PROF
 MILLER JOSEPH S PROF
 MINN YOUNG KEY DR
 MORGAN DAVID H DR
 MORTON DONALD C DR
 MUFSON STUART LEE DR
 NANDY KASHINATH DR
 NITTMAN JOHANN
 NUTH JOSEPH A III
 OHTANI HIROSHI DR
 ONAKA TAKASHI
 OSBORNE JOHN L DR
 PALLA FRANCESCO
 PANKONIN VERNON LEE DR
 PECKER JEAN-CLAUDE PROF
 PERINOTTO MARIO PROF
 PETROSIAN VAHE PROF
 PISMIS DE RECILLAS PARIS
 PRASAD SHEO S
 PRONIK I I DR
 QIN ZHI-HAI
 RAYMOND JOHN CHARLES
 RICKARD LEE J DR
 ROBERTS WILLIAM W JR PROF
 ROESER HANS-PETER
 ROHLFS K PROF DR
 ROSINO LEONIDA PROF
 ROZYCZKA MICHAL
 SABANO YUTAKA DR
 SALPETER EDWIN E PROF
 SANCISI RENZO DR
 SARAZIN CRAIG L DR
 SAVAGE BLAIR D DR
 SCHALEN CARL PROF
 SCHEUER PETER A G DR
 SCHMIDT-KALER TH PROF
 SCHWARTZ PHILIP R DR
 SCOTT EUGENE HOWARD
 SHAH GHANSHYAM A DR
 SHAPIRO STUART L
 SHCHEGLOV P V DR
 SHU FRANK H PROF
 SILBERBERG REIN DR
 SIMONS STUART DR
 SIVAN JEAN-PIERRE DR
 SMITH HOWARD ALAN
 SNOW THEODORE P PROF
 SOLC MARTIN
 SPITZER LYMAN JR DR
 STROM RICHARD G DR
 MACIEL WALTER J DR
 MALLIK D C V DR
 MARTEL MARIE-THERESE DR
 MATHEWS WILLIAM G PROF
 MCCALL MARSHALL LESTER DR
 MCGEE RICHARD X DR
 MCNALLY DEREK DR
 MEIER ROBERT R
 MENON T K PROF
 MICHALITSIANOS ANDREW
 MILNE DOUGLAS K DR
 MIYAMA SYOKEN
 MORIMOTO MASAKI DR
 MOUSCHOVIAS TELEMACHOS CH
 MYERS PHILIP C
 NEUGEBAUER GERRY DR
 NORDH H LENNART DR
 O'DELL CHARLES R DR
 OKUDA HARUYUKI DR PROF
 OORT JAN H PROF
 OSTERBROCK DONALD E PROF
 PALMER PATRICK E PROF
 PARKER EUGENE N
 PENSTON MICHAEL V DR
 PERSI PAOLO
 PHILLIPS ANTHONY PAUL
 POEPPPEL WOLFGANG G L DR
 PREITE-MARTINEZ ANDREA DR
 PSKOVSKIY JU P DR
 RADHAKRISHNAN V PROF
 RENGARAJAN T N DR
 RIGHINI-COHEN GIOVANNA DR
 ROBINSON BRIAN J DR
 ROGER ROBERT S DR
 ROSA MICHAEL RICHARD DR
 ROXBURGH IAN W PROF
 RUBIN ROBERT HOWARD
 SABBADIN FRANCO DR
 SANAHUJA BLAS
 SANDELL GORAN HANS L DR
 SATO FUMIO DR
 SAVEDOFF MALCOLM P PROF
 SCHATZMAN EVRY PROF
 SCHMID-BURCK J DR PROF
 SCHULTZ G V DR
 SCHWARTZ RICHARD D
 SEATON MICHAEL J PROF
 SHANE WILLIAM W DR
 SHARPLESS STEWART PROF
 SHERWOOD WILLIAM A DR
 SHULL JOHN MICHAEL
 SILK JOSEPH I PROF
 SINGH PATAN DEEN DR
 SKILLING JOHN DR
 SMITH PETER L DR
 SOBOLEV V V DR
 SOLOMON PHILIP M DR
 STANGA RUGGERO
 SU BUMEI

SUN JIN	TAKAKUBO KEIYA PROF	TAMURA SHINICHI DR
TARAFDAR SHANKAR P DR	TAYLOR KENNETH N R PROF	TENORIO-TAGLE G DR
TERZIAN YERVANT PROF	THADDEUS PATRICK PROF	THE PIK-SIN PROF
THOMPSON A RICHARD DR	THONNARD NORBERT DR	THRONSON HARLEY ANDREW JR
TORRES-PEIMBERT SILVIA DR	TOSI MONICA	TOWNES CHARLES HARD DR
TRUFFERS RICHARD R	TURNER BARRY E DR	TURNER KENNETH C DR
ULRICH MARIE-HELENE D DR	UNNO WASABURO PROF	URASIN LIRIK A DR
VAN DE HULST H C PROF DR	VAN DER LAAN H PROF DR	VAN WOERDEN HUGO PROF DR
VANDEN BOUT PAUL A	VANYSEK VLADIMIR PROF	VARSHALOVICH DIMITRIJ PR
VERSCHUUR GERRIT L PROF	VIDAL JEAN-LOUIS DR	VIDAL-MADJAR ALFRED DR
VINER MELVYN R DR	VISVANATHAN NATARAJAN DR	VORONTSOV-VEL'YAMINOV B A
VRBA FREDERICK J DR	WALKER GORDON A H PROF	WATT GRAEME DAVID
WEAVER HAROLD F PROF	WEBSTER B LOUISE DR	WEILER KURT W DR
WEISHEIT JON C DR	WENDKER HEINRICH J PROF	WESSELIUS PAUL R DR
WEYMANN RAY J PROF	WHITE GLENN J	WHITE RICHARD L
WHITELOCK PATRICIA ANN DR	WHITEOAK J B DR	WHITTET DOUGLAS C B DR
WHITWORTH ANTHONY PETER	WICKRAMASINGHE N C PROF	WILLIAMS D DR
WILLIAMS DAVID A PROF	WILLIAMS IWAN P DR	WILLIAMS ROBERT E DR
WILLIS ALLAN J DR	WILLNER STEVEN PAUL DR	WILSON ROBERT W DR
WINNBERG ANDERS DR	WITT ADOLF N DR	WOLSTENCROFT RAMON D DR
WOLTJER LODEWIJK PROF	WOODWARD PAUL R DR	WOOLF NEVILLE J
WOOTTEN HENRY ALWYN	WRIGHT EDWARD L DR	WU CHI CHAO DR
WYNN-WILLIAMS C G DR	XIANG DELIN	XING JUN
YABUSHITA SHIN A PROF	YORKE HAROLD W DR	YOUNIS SAAD M
ZEALEY WILLIAM J DR	ZEILIK MICHAEL II DR	ZHANG CHENG-YUE
ZHOU ZHEN-PU	ZIMMERMANN HELMUT DR	ZUCKERMAN BEN M DR

COMMISSION No. 35

STELLAR CONSTITUTION (CONSTITUTION DES ETOILES)

President : SUGIMOTO DAIICHIRO PROF

Vice-President (s) : MAEDER ANDRE PROF

Organizing Committee: BODENHEIMER PETER PROF
 CHIOSI CESARE S DR
 COX ARTHUR N DR
 GOUGH DOUGLAS O DR
 KIPPENHAHN RUDOLF PROF
 OSAKI YOJI DR
 TASSOUL JEAN-LOUIS PROF
 TRURAN JAMES W JR
 WEIDEMANN VOLKER PROF
 WHEELER J CRAIG PROF

Members:

AIAD A DR	AIZENMAN MORRIS L DR	ANAND S P S DR
ANGELOV TRAJKO	APPENZELLER IMMO PROF	ARAI KENZO DR
ARIMOTO NOBUO DR	ARNETT W DAVID PROF	ARNOULD MARCEL L DR
AUDOUBE JEAN PROF	BAGLIN ANNIE DR	BAKER NORMAN H PROF
BAYM GORDON ALAN DR	BEAUDET GILLES DR	BECKER STEPHEN A
BENZ WILLY	BERTHOMIEU GABRIELLE DR	BISNOVATYI-KOGAN G S DR
BLUDMAN SIDNEY A PROF	BOCCHIA ROMEO DR	BOEHM KARL-HEINZ PROF
BONDI HERMANN PROF SIR	BROWNLEE ROBERT R DR	BUCHLER J ROBERT PROF
BURBIDGE GEOFFREY R PROF	CALLEBAUT DIRK K DR	CALOI VITTORIA DR
CAMERON ALASTAIR G W PROF	CANAL RAMON M DR	CAPUTO FILIPPINA DR
CARSON T R DR	CASTELLANI VITTORIO PROF	CASTOR JOHN I DR
CAUGHLAN GEORGEANNE R	CHAN KWING LAM	CHANDRASEKHAR S PROF
CHEVALIER CLAUDE DR	CHITRE SHASHIKUMAR M DR	CHIU HONG-YEE DR
CHKHIKVADZE IAKOB N	CHRISTENSEN-DALSGAARD J	CHRISTY ROBERT F DR
COHEN JEFFREY M DR	CONNOLLY LEO PAUL	COWAN JOHN J DR
COWLING THOMAS G PROF	D'ANTONA FRANCESCA DR	DAS MRINAL KANTI
DAVIS CECIL G JR	DE GREVE JEAN-PIERRE DR	DE JAGER CORNELIS PROF
DE LOORE CAMIEL PROF	DEARBORN DAVID PAUL S DR	DEINZER W PROF DR
DEMARQUE P PROF	DESPAIN KEITH HOWARD DR	DEUPREE ROBERT G DR
DINGENS P PROF DR	DLUZHNEVSKAYA O B DR	DURISEN RICHARD H DR
DZIEMBOWSKI WOJCIECH PROF	EDWARDS ALAN CH DR	EDWARDS TERRY W
EGGLETON PETER P DR	EMINZADE T A DR	ENDAL ANDREW S DR
EPSTEIN ISADORE PROF	ERGMA E V DR	ERIGUCHI YOSHIHARU DR
EZER-ERYURT DILHAN PROF	FADEYEV YURI A	FAULKNER DONALD J DR
FAULKNER JOHN PROF	FLANNERY BRIAN PAUL DR	FONTAINE GILLES DR
FORBES J E DR	FOSSAT ERIC DR	FOWLER WILLIAM A PROF
FRANTSMAN YU L DR	FRICKE KLAUS DR	FUJIMOTO MASAYUKI DR
GABRIEL MAURICE R DR	GALLINO ROBERTO	GEROYANNIS VASSILIS S DR
GIANNONE PIETRO PROF	GINGOLD ROBERT ARTHUR DR	GIRIDHAR SUNETRA DR
GLATZMAIER GARY A	GONG SHU-MO	GOOSSENS MARCEL DR
GRAHAM ERIC DR	GURM HARDEV S PROF	HAMADA TETSUO PROF
HAYASHI CHUSHIRO PROF	HEILESEN POUL MARTIN DR	HILF EBERHARD R H PH D
HITOTSUYANAGI JUICHI PROF	HOSHI REIUN DR	HOYLE FRED SIR
HUANG RUN-QIAN	HUMPHREYS ROBERTA M PROF	IBEN ICKO JR PROF

ILIEV ILIAN	IMSHENNIK V S DR	ISAAK GEORGE R PROF
ISHIZUKA TOSHIHISA DR	ITOH NAOKI DR	JAMES RICHARD A DR
KAehler HELMUTH DR	KANINISHI KEISUKE PROF	KATO MARIKO
KHOZOV GENNADIJ V	KIGUCHI MASAYOSHI DR	KING DAVID S PROF
KOCHHAR R K DR	KOESTER DETLEV DR	KOTHARI D S DR
KOVETZ ATTAY PROF	KOZLOWSKI MACIEJ DR	KROOK M DR
KUMAR SHIV S PROF	KUSHWAHA R S PROF	LABAY JAVIER
LAMB DONALD QUINCY JR DR	LAMB SUSAN ANN DR	LARSON RICHARD B PROF
LASKARIDES PAUL G ASSPROF	LASOTA JEAN-PIERRE DR	LATOUR JEAN J
LEBOVITZ NORMAN R PROF	LEDoux P J PROF	LEPINE JACQUES R D DR
LI HEN	LI ZONG-WEI	LINNELL ALBERT P PROF
LITTLETON JOHN E	LIVIO MARIO	MAHESWARAN KURUGESAPILLAI
MALLIK D C V DR	NARX GYORGY PROF.	MASAWI A PROF
MASSEVICH ALLA G DR	MAZUREK THADDEUS JOHN DR	MAZZITELLI ITALO DR
MCCREA J DERMOTT	MELIK-ALAVERDIAN YU DR	MESTEL LEON PROF
MEYER-HOFMEISTER E DR	MICHAUD GEORGES J DR	MITALAS ROMAS ASSOC PROF
MIYAJI SHIGEKI DR	MOELLENHOFF CLAUS DR	NOMAGHAN JOSEPH J DR
MOORE DANIEL R DR	MORGAN JOHN ADRIAN	MORRIS STEPHEN C DR
MOSS DAVID L DR	MUELLER EWALD	NADYOZHIN D K DR
NAKAMURA TAKASHI DR	NAKANO TAKENORI DR	NAKAZAWA KIYOSHI DR
NARIAI HIDEKAZU	NARITA SHINJI DR	NEWMAN MICHAEL JOHN DR
NISHIDA MINORU PROF	NOELS ARLETTE DR	NOMOTO KEN'ICHI DR
ODELL ANDREW P	OHYAMA NOBORU PROF	OKAMOTO ISAO DR
OSTRIKER JEREMIAH P PROF	PACZYNSKI BOHDAN PROF	PANYATNIKH A A DR
PANDE GIRISH CHANDRA PROF	PAPALOIZOU JOHN C B DR	PHILLIPS MARK M DR
PINES DAVID PROF	PINOTSIS ANTONIS D DR	PLAVEC MIREK J PROF
POPOVA MALINA D PROF DR	PORFIR'EV V V DR	POVEDA ARCADIO DR
PRENTICE ANDREW J R DR	PROVOST JANINE DR	QU QIH-YUE
RAEDLER K H DR	RAMADURAI SOURIRAJA DR	REEVES HUBERT PROF
REIZ ANDERS PROF	RENZINI ALVIO PROF	ROOD ROBERT T DR
ROUSE CARL A DR	ROXBURGH IAN W PROF	RUBEN G PROF DR
SACKMANN I JULIANA DR	SAIO HIDEYUKI DR	SAKASHITA SHIRO PROF
SALPETER EDWIN E PROF	SATO KATSUHIKO PROF	SAVEDOFF MALCOLM P PROF
SAVONIJJE GERRIT JAN DR	SCALO JOHN MICHAEL	SCHATTEN KENNETH H DR
SCHATZMAN EVRY PROF	SCHILD HANSRUEDI	SCHRAMM DAVID N PROF
SCHUTZ BERNARD F PROF	SCHWARZSCHILD MARTIN PROF	SCUFLAIRE RICHARD DR
SEARS RICHARD LANGLEY DR	SEIDOV ZAKIR F DR	SENGBUSCH KURT V DR
SHAVIV GIORA DR	SHIBAHASHI HIROMOTO DR	SHIBATA YUKIO DR
SHUSTOV BORIS M DR	SIENKIEWICZ RYSZARD DR	SIGNORE MONIQUE DR
SILVESTRO GIOVANNI	SION EDWARD MICHAEL	SMEYERS PAUL PROF
SMITH ROBERT CONNOR DR	SOBOUTI YOUSEF PROF	SOFIA SABATINO PROF
SOUFFRIN PIERRE B DR	SPARKS WARREN M DR	SPIEGEL E DR
SREENIVASAN S RANGA PROF	STARRFIELD SUMNER PROF	STELLINGWERF ROBERT F DR
STIBBS DOUGLAS W N PROF	STRITTMATTER PETER A PROF	STROMGREN BENGT PROF
SUDA KAZUO PROF	SWEET PETER A PROF	SWEIGART ALLEN V DR
TAKAHARA MARIKO	TASSOUL MONIQUE DR	TAYLER ROGER J PROF
THIELEMANN FRIEDRICH-KARL	THOMAS HANS-CHRISTOPH DR	TJIN-A-DJIE HERMAN R E DR
TOHLINE JOEL EDWARD	TOOMRE JURI	TRIMBLE VIRGINIA L DR
TUOMINEN ILKKA V DR	TUOMINEN JAAKKO V PROF	TUTUKOV A V DR
TYPHOON LEE	UCHIDA JUICHI DR	ULRICH ROGER K PROF
UNNO WASABURO PROF	UUS UNDO DR	VAN DEN HEUVEL EDWARD P J
VAN DER BORGHT RENE PROF	VAN DER RAAY HERMAN B	VAN HORN HUGH M PROF
VAN RIPER KENNETH A DR	VAN DEN BERG DON DR	VARDYA M S DR
VAUCLAIR GERARD P DR	VILA SAMUEL C PROF	VILHU OSHI DR
WARD RICHARD A DR	WEAVER THOMAS A DR	WEBBINK RONALD F DR
WEIGERT ALFRED PROF	WEISS NIGEL O DR	WILLSON LEE ANNE DR
WILSON ROBERT E PROF	WINKLER KARL-HEINZ A DR	WOOD PETER R DR
WRIGHT GEOFFREY A E DR	XIONG DA-RUN	YORKE HAROLD W DR
YUNGELSON LEV R	ZAHN JEAN-PAUL DR	ZHEVAKIN S A PROF DR
ZIOLKOWSKI JANUSZ DR		

COMMISSION No. 36

THEORY OF STELLAR ATMOSPHERES

(THEORIE DES ATMOSPHERES STELLAIRES)

President : KODAIRA KEIICHI PROF

Vice-President(s) : GRAY DAVID F PROF

Organizing Committee: CASSINELLI JOSEPH P DR
 CRAM LAWRENCE EDWARD DR
 GUSTAFSSON BENGT DR
 HEARN ANTHONY G DR
 HUBENY IVAN
 KALKOFEN WOLFGANG DR
 KUDRITZKI ROLF-PETER PH D
 MAHALAS DIMITRI DR
 SEATON MICHAEL J PROF
 UNDERHILL ANNE B DR

Members:

ABHYANKAR KRISHNA D PROF	ALLER LAWRENCE HUGH	ALTROCK RICHARD C DR
ARPIGNY CLAUDE PROF	ATHAY R GRANT DR	AUER LAWRENCE H DR
AUMAN JASON R PROF	AVRETT EUGENE H DR	BAIRD SCOTT R
BASCHEK BODO PROF	BELL ROGER A DR	BERNAT ANDREW PLOUS DR
BERTOUT CLAUDE	BLANCO CARLO DR	BLESS ROBERT C PROF
BOEHM KARL-HEINZ PROF	BOEHM-VITENSE ERIKA PROF	BOEHME SIEGFRIED DR
BOESGAARD ANN M PROF	BROWN DOUGLAS NASON	BUES IRMELA D DR
CARBON DUANE F DR	CARSON T R DR	CASTOR JOHN I DR
CAYREL DE STROBEL GIUSA	CAYREL ROGER DR	CHAN KWING LAM
CHEN PEISHENG	CONTI PETER S DR	COWLEY CHARLES R PROF
CRIVELLARI LUCIO	CUNY YVETTE J DR	DAVIS CECIL G JR
DELACHE PHILIPPE J DR	DOMKE HELMUT PH D	DRAKE STEPHEN A
DRAVINS DAINIS PROF	DUFTON PHILIP L DR	DUMONT SIMONE DR
DUPREE ANDREA K DR	EDMONDS FRANK N JR DR	ELSTE GUNTHER H DR
ERIKSSON KJELL DR	EVANGELIDIS E DR	FARAGGIANA ROSANNA PROF
FINN G D DR	FONTENLA JUAN MANUEL DR	FOY RENAUD DR
FRISCH HELENE DR	FRISCH URIEL DR	FROESCHLE CHRISTIANE D DR
GAIL HANS-PETER DR	GEBBIE KATHARINE B DR	GOKDOGAN NUZHET PROF
GORDON CHARLOTTE PROF	GOUGH DOUGLAS O DR	GRANT IAN P DR
GREENSTEIN J L PROF	GREVESSE N DR	GRININ VLADIMIR P DR
GROTH HANS G PROF DR	GUSSMANN E A DR	HACK MARGHERITA PROF
HAISCH BERNHARD MICHAEL	HAMMAN WOLF-RAINER	HARDORP JOHANNES PROF
HARTMANN LEE WILLIAM	HEASLEY JAMES NORTON	HEBER ULRICH
HEKELA JAN DR	HEROLD HEINZ	HITOTSUYANAGI JUICHI PROF
HOLWEGER HARTMUT PROF	HOLZER THOMAS EDWARD DR	HOTINLI METIN DR
HOUSE LEWIS L DR	HUMMER DAVID G DR	HUNGER KURT PROF
HUTCHINGS JOHN B DR	IVANOV VSEVOLOD V DR PROF	JEFFERIES JOHN T DR
JOHNSON HOLLIS R PROF	KADOURI TALIB HADI	KAMP LUCAS WILLEM DR
KANDEL ROBERT S DR	KARP ALAN HERSH DR	KHOKHLOVA V L DR
KLEIN RICHARD I DR	KOESTER DETLEV DR	KOLESOV A K DR
KONTIZAS EVANGELOS DR	KRISHNA SWAMY K S DR	KUHI LEONARD V PROF

KUMAR SHIV S PROF	KURUCZ ROBERT L DR	KUSHWAHA R S PROF
LAMBERT DAVID L PROF	LEIBACHER JOHN DR	LINNELL ALBERT P PROF
LINSKY JEFFREY L DR	LIU CAIPIN	MADEJ JERZY
MARLBOROUGH J M PROF	MASSAGLIA SILVANO	MATSUMOTO MASAMICHI PROF
MATSUSHIMA SATOSHI DR	MICHAUD GEORGES J DR	MIYAMOTO SIGENORI PROF
MNATSAKANIYAN MAMIKON A DR	MUELLER EDITH A PROF	MUENCH GUIDO PROF
MUKAI SONOYO DR	MUSTEL E R PROF DR	MUTSCHLECNER J PAUL DR
NAGIRNER DMITRIJ I DR	NARIAI KYOJI DR	NEFF JOHN S
NEVEN LUC DR	NORDLUND AKE DR	O'MARA BERNARD J PROF
ORRALL FRANK Q PROF	OXENIUS JOACHIM DR	PAGEL BERNARD E J PROF
PALLAVICINI ROBERTO DR	PANEK ROBERT J DR	PASINETTI LAURA E PROF
PECKER JEAN-CLAUDE PROF	PERAIAH ANNAMANENI DR	PETERS GERALDINE JOAN DR
PHILLIPS JOHN G PROF	POTTASCH STUART R PROF	PRADERIE FRANCOISE DR
QUERCI FRANCOIS R DR	QUERCI MONIQUE DR	RACHKOVSKY D N DR
RAMSEY LAWRENCE W DR	REIMERS DIETER PROF	ROSS JOHN E R DR
ROVIRA MARTA GRACIELA	RUTTEN ROBERT J. DR	RYBICKI GEORGE B DR
SAITO KUNIJI PROF	SAKHIBULLIN NAIL A DR	SAPAR ARVED DR
SCHARMER GOERAN BJARNE	SCHMALBERGER DONALD C DR	SCHMID-BURGK J DR PROF
SCHMUTZ WERNER	SCHOENBERNER DETLEF PROF	SCHOLZ M PROF
SEDLMAYER ERWIN DR	SHINE RICHARD A DR	SHIPMAN HENRY L DR
SIMON KLAUS PETER	SIMON THEODORE	SIMONNEAU EDUARDO DR
SITNIK G F PROF	SKUMANICH ANDRE PROF	SNEZHKO LEONID I
SNIJDERS MATTHEUS A J	SOBOLEV V V DR	SOBOUTI YOUSEF PROF
SOUFFRIN PIERRE B DR	SPIEGEL E DR	SPITE FRANCOIS M DR
SPITE MONIQUE DR	SPRUIT HENK C DR	STALIO ROBERTO DR
STEIN ROBERT F ASSOC PROF	STEPIEN KAZIMIERZ DR	STIBBS DOUGLAS W N PROF
STROM STEPHEN E	SWIHART THOMAS L DR	TARAFDAR SHANKAR P DR
THOMAS RICHARD N DR	TOOMRE JURI	TRAVING GERHARD PROF
TSUJI TAKASHI	UENO SUEO PROF	UESUGI AKIRA DR
ULMSCHNEIDER PETER PROF	UNNO WASABURO PROF	VAN REGEMORTER HENRI DR
VAN'T VEER FRANS DR	VAN'T VEER-MENNERET CL DR	VARDAVAS ILIAS MIHAIL
VARDYA M S DR	VIIK TONU DR	WATANABE TETSUYA
WEBER STEPHEN VANCE	WEHRSE RAINER DR	WEIDEMANN VOLKER PROF
WELLMANN PETER PROF DR	WHITE RICHARD L	WICKRAMASINGHE N C PROF
WILLSON LEE ANNE DR	WILSON PETER R PROF	WILSON S J
WOEHL HUBERTUS DR	WRIGHT KENNETH O DR	WYLLER ARNE A PROF
YANOVITSKIY EDGARD G DR	YORKE HAROLD W DR	ZAHN JEAN-PAUL DR
ZWAAN CORNELIS PROF DR		

COMMISSION No. 37

STAR CLUSTERS AND ASSOCIATIONS

(AMAS STELLAIRES ET ASSOCIATIONS)

President : HEGGIE DOUGLAS C DR

Vice-President(s) : HARRIS GRETCHEN L H DR

Organizing Committee: FREEMAN KENNETH C PROF
 HESSER JAMES E DR
 NISSEN POUL E PROF
 PILACHOWSKI CATHERINE DR
 SALUKVADZE G N DR

Members:

AARSETH SVERRE J DR	ABOU-EL-ELLA MOHAMED S DR	AGEKJAN TATEOS A PROF
AIAD A DR	ALCAINO GONZALO DR	ALFARO EMILIO JAVIER
ALKSNIS ANDREJS DR	ALLEN CHRISTINE	AURIERE MICHEL
BALAZS BELA A DR	BARKHATOVA KLAUDIA PROF	BECKER WILHELM PROF
BIJAOUI ALBERT DR	BLAAUW ADRIAAN PROF DR	BOUVIER PIERRE PROF
BURKHEAD MARTIN S	BUTLER DENNIS DR	BYRD GENE G DR
CALLEBAUT DIRK K DR	CANNON RUSSELL D DR	CAPUZZO DOLCETTA ROBERTO
CARNEY BRUCE WILLIAM	CHAVARRIA-K. CARLOS	CHRISTIAN CAROL ANN
CHUN MUN-SUK DR	CLARIA JUAN DR	COLIN JACQUES DR
CUDWORTH KYLE MCCABE DR	CUFFEY J MR	DA COSTA GARY STEWART DR
DAUBE-KURZEMNIECE I A DR	DEMARQUE P PROF	DEMERS SERGE DR
DICKENS ROBERT J DR	DLUZHNEVSKAYA O B DR	EFREMOV YURY N DR
EINASTO JAAN DR	EL-BASSUNY ALAWY A A	ELMEGREEN BRUCE GORDON DR
FALL S MICHAEL DR	FEAST MICHAEL W DR	FEINSTEIN ALEJANDRO DR
FITZGERALD M PIM PROF	FORTE JUAN CARLOS DR	GASCOIGNE S C B DR
GOLAY MARCEL PROF	GREEN ELIZABETH M. DR	GRIFFITHS WILLIAM K
GRINDLAY JONATHAN E DR	GRUBISSICH C PROF DR	HANES DAVID A DR
HARRIS HUGH C	HARRIS WILLIAM E DR	HARVEL CHRISTOPHER ALVIN
HASSAN S M DR	HAWARDEN TIMOTHY G DR	HAZEN MARTHA L DR
HENON MICHEL C DR	HERBST WILLIAM DR	HILLS JACK G DR
IBEN ICKO JR PROF	ILLINGWORTH GARTH D DR	INAGAKI SHOGO DR
ISHIDA KEIICHI PROF	JANES KENNETH A DR	JONES DEREK H P DR
JOSHI U C DR	KADLA ZDENKA I DR	KAMP LUCAS WILLEM DR
KHOLOPOV P N DR	KILAMBI G C DR	KING IVAN R PROF
KONTIZAS EVANGELOS DR	KONTIZAS MARY DR	KRON GERALD E DR
LADA CHARLES JOSEPH DR	LAPASSET EMILIO DR	LARSSON-LEANDER G PROF
LAVAL ANNIE DR	LLOYD-EVANS THOMAS DR	LODEN LARS OLOF PROF
LU PHILLIP K DR	LYNDEN-BELL DONALD PROF	LYNGA GOSTA DR
MAEDER ANDRE PROF	MARKKANEN TAPIO DR	MARRACO HUGO G DR
MARTINS DONALD HENRY DR	MAYOR MICHEL DR	MENON T K PROF
MENZIES JOHN W DR	MERMILLIOD JEAN-CLAUDE DR	MEURERS JOSEPH PROF DR
MIKKOLA SEppo DR	MOFFAT ANTHONY F J DR	MOULD JEREMY R
MURRAY C ANDREW	NEMEC JAMES	NESCI ROBERTO
NEWELL EDWARD B DR	OGURA KATSUO DR	OSBORN WAYNE DR
OSMAN ANAS MOHAMED DR	PARSAMYAN ELMA S DR	PEDREROS MARIO DR

MEMBERSHIP OF COMMISSIONS

PENNY ALAN JOHN DR	PETERSON CHARLES JOHN DR	PETROVSKAYA M S DR
PHILIP A G DAVIS	PISKUNOV ANATOLY E	POPOVA MALINA D PROF DR
POVEDA ARCADIO DR	PRITCHET CHRISTOPHER J DR	QIAN BO-CHEN
RAJAMOHAN R DR	RAM SAGAR DR	RICHER HARVEY B DR
ROSINO LEONIDA PROF	ROTH MARIA LUISE PH D	ROUNTREE JANET DR
RUPRECHT JAROSLAV DR	RUSSEVA TATJANA	SAMUS NIKOLAI N DR
SANDERS W L PROF	SAWYER-HOGG HELEN B DR	SCARIA K K DR
SCHILD HANSRUEDI	SCHUSTER HANS-EMIL	SHAROV A S DR
SHAWL STEPHEN J DR	SHER DAVID DR	SHOBBROOK ROBERT R DR
SIMODA MAHIRO PROF	STETSON PETER B. DR	SUGIMOTO DAICHIRO PROF
SZECSENYI-NAGY GABOR DR	TERZAN AGOP DR	THE PIK-SIN PROF
TSVETKOVA KATIA	TURNER DAVID G DR	UPGREN ARTHUR R DR
VAN ALTENA WILLIAM F PROF	VAN DEN BERGH SIDNEY PROF	VANDENBERG DON DR
VOGT NIKOLAUS DR	WALKER GORDON A H PROF	WALKER MERLE F PROF
WALLENQUIST AAKE A E PROF	WAN LAI	WARREN WAYNE H JR DR
WEAVER HAROLD F PROF	WEHLAU AMELIA DR	WHITE RAYMOND E DR
WIELEN ROLAND PROF DR	WRANDEMARK STIG S O DR	WU HSIN-HENG DR
ZHAO JUN-LIANG	ZINN ROBERT J DR	

COMMISSION No. 38

EXCHANGE OF ASTRONOMERS (ECHANGE DES ASTRONOMES)

President : MUELLER EDITH A PROF

Vice-President(s) : SMITH F GRAHAM PROF

Organizing Committee: BOYARCHUK A A DR
FLORSCH ALPHONSE DR
KOZAI YOSHIHIDE PROF
LEUNG KAM CHING PROF
SWARUP GOVIND PROF
TOLBERT CHARLES R DR
VOIGT HANS H PROF
WOOD F BRADSHAW PROF
YE SHU-HUA

Members:

AL-SABTI ABDUL ADIM DR	DELHAYE JEAN PROF	GODOLI GIOVANNI PROF
HAUPT HERMANN F PROF	MACRAE DONALD A PROF	MARIK MIKLOS DR.
NHA IL-SEONG DR	NINKOVIC SLOBODAN	OKOYE SAMUEL E PROF
OPOLSKI ANTONI PROF	REIZ ANDERS PROF	ROUTLY PAUL M DR
RUBEN G PROF DR	SARADE JORGE PROF	SMITH ELSKE V P DR
VAN DEN HEUVEL EDWARD P J	WILD JOHN PAUL DR	

MEMBERSHIP OF COMMISSIONS

COMMISSION No. 40

RADIO ASTRONOMY (RADIOASTRONOMIE)

President : BALDWIN JOHN E DR
 Vice-President(s) : MEZGER PETER G PROF

Organizing Committee: BARRETT ALAN H PROF
 BAUDRY ALAIN DR
 BOOTH ROY S PROF
 JAUNCEY DAVID L DR
 KAIFU NORIO DR
 KAPAHI V K DR
 KELLERMANN KENNETH I DR
 MATVEYENKO L I DR
 NICOLSON GEORGE D DR
 SEAQUIST ERNEST R PROF
 SETTI GIANCARLO PROF
 STROM RICHARD G DR
 WANG SHOU-GUAN
 WILSON THOMAS L DR

Members:

ABDULLA SHAKER ABDUL AZIZ	ABLES J G DR	ABRAMI ALBERTO PROF
ADE PETER A R DR	AIZU KO PROF	AKABANE KENJI A PROF
ALEXANDER JOSEPH K	ALLEN RONALD J DR	ALLER HUGH D DR
ALLER MARGÓ F DR	ALTENHOFF WILHELM J DR	ANANTHARAMAIAH K R DR
ANDREW BRYAN H DR	APARICI JUAN DR	ARGYLE P E DR
ARNAL MARCELO EDMUNDO DR	ASSOUSA GEORGE ELIAS DR	AVERY LORNE W DR
AVIGNON YVETTE DR	AXON DAVID	BAARS JACOB W M DR
BAART EDWARD E PROF	BAATH LARS B DR	BACKER DONALD CH DR
BAGRI DURGADAS S	BALKLAVS A E DR	BARROW COLIN H DR
BARTEL NORBERT HARALD DR	BASH FRANK N PROF	BASU DIPAK DR
BATES RICHARD HEATON T DR	BATTY MICHAEL DR	BECK RAINER
BENZ ARNOLD DR	BERGE GLENN L DR	BERKHUIJSEN ELLY M DR
BHANDARI RAJENDRA DR	BHONSLE RAJARAM V PROF	BIEGING JOHN HAROLD DR
BIERMANN PETER L DR	BIGNELL R CARL DR	BIRAUD FRANCOIS DR
BIRKINSHAW MARK	BLAIR DAVID GERALD	BLANDFORD ROGER DAVID DR
BLUM EMILE-JACQUES DR	BOEHME A DR	BOEHME STEGERIED DR
BOISCHOT ANDRE DR	BOLTON JOHN G	BORIAKOFF VALENTIN
BOWERS PHILLIP F	BRACEWELL RONALD N PROF	BRAUDE SEMION YA PROF AG
BREGMAN JACOB D IR	BRIDLE ALAN H PROF	BRODERICK JOHN DR
BROTEN NORMAN W	BROUW W N DR	BROWNE IAN W A DR
BURBIDGE GEOFFREY R PROF	BURKE BERNARD F DR	CAROUBALOS C A PROF
CARR THOMAS D PROF	CASWELL JAMES L DR	CHAN KWING LAM
CHEN HONGSHENG	CHIKADA YOSHIHIRO DR	CHINI ROLF
CHRISTIANSEN WAYNE A	CHRISTIANSEN WILBUR PROF	CLARK BARRY G DR
CLARK DAVID H DR	CLARK FRANK OLIVER DR	COHEN MARSHALL H PROF
COHEN RAYMOND J DR	COHEN RICHARD S	COLE TREVOR WILLIAM PROF
CONDON JAMES J DR	CONKLIN EDWARD K	CONWAY ROBIN G DR
CORDES JAMES M	COSTAIN CARMAN H DR	COTTON WILLIAM D Jr
COUTREZ RAYMOND A J PROF	COVINGTON ARTHUR E	CRANE PATRICK C

CROOM DAVID L DR	CROVISIER JACQUES	CUDABACK DAVID D DR
CUI ZHENXING	DAINTREE EDWARD J DR	DAISHIDO TSUNEAKI PROF
DAVIES JOHN G DR	DAVIES RODNEY D PROF	DAVIS MICHAEL M DR
DAVIS ROBERT J DR	DE GROOT T DR	DE JAGER CORNELIS PROF
DE LA NOE JEROME DR	DE YOUNG DAVID S DR	DEGAONKAR S S DR
DELANNOY JEAN DR	DENISSE JEAN-FRANCOIS DR	DENNISON BRIAN KENNETH
DENT WILLIAM A PROF	DEWDNEY PETER E F DR	DICKEL HELENE R DR
DICKEL JOHN R	DICKEY JOHN M	DIETER NANNIELOU H DR
DIXON ROBERT S DR	DOHERTY LORNE H DR	DOUBINSKIJ B A DR
DOUGLAS JAMES N PROF	DOWNES DENNIS DR	DOWNES GEORGE S DR
DRAKE FRANK D PROF	DRAKE STEPHEN A	DRAVSKIKH A F DR
DREHER JOHN W	DUFFETT-SMITH PETER JAMES	DULK GEORGE A PROF
DYSON F J DR	EKERS RONALD D DR	ELGAROY OYSTEIN PROF
ELLIS G R A PROF	ELSMORE BRUCE DR	ELWERT GERHARD PROF
ENOME SHINZO PROF	EPSTEIN EUGENE E DR	ERICKSON WILLIAM C DR
ERIKSEN GUNNAR PROF	ESHLEMAN VON R PROF	EVANS KENTON DOWER DR
EWING MARTIN S	FANTI ROBERTO	FEIX GERHARD DR
FELDMAN PAUL A DR	FELLI MARCELLO DR	FELTEN JAMES E DR
FERETTI LUIGINA	FIELD GEORGE B PROF	FINDLAY JOHN W DR
FLEISCHER ROBERT DR	FLETT ALISTAIR M	FOKKER AAD D DR
FOMALONT EDWARD B DR	FORT DAVID NORMAN DR	FRATER ROBERT H DR
FRIBERG PER	FRIEDMAN HERBERT DR	FU QI JUN
FUERST ERNST DR	FUKUI YASUO DR	GALT JOHN A DR
GARAY GUIDO DR	GARDNER FRANCIS F DR	GAYLARD MICHAEL JOHN
GEBLER KARL-HEINZ DR	GELDZAHLER BERNARD J	GELFREIKH GEORGIJ B DR
GENT HUBERT MR	GENZEL REINHARD DR	GERGELY TOMAS ESTEBAN DR
GHIGO FRANCIS D DR	GIBSON DAVID MICHAEL DR	GINZBURG VITALY L PROF
GIOIA ISABELLA M DR	GIOVANNINI GABRIELE	GOLD THOMAS PROF
GOLDSMITH PAUL F DR	GOLDSTEIN SAMUEL J PROF	GOLDWIRE HENRY C JR
GONZE ROGER F J IR	GORDON MARK A DR	GORGOLEWSKI STANISLAW PR
GOSACHINSKIJ I V DR	GOSS W MILLER PROF	GOWER J F R DR
GRAHAM DAVID A	GREGORY PHILIP C DR	GREWING MICHAEL PROF
GUELIN MICHEL DR	GUESTEN ROLF	GUIDICE DONALD A DR
GULKIS SAMUEL DR	GULL STEPHEN F DR	HACHENBERG OTTO PROF DR
HADDOCK FRED T DR	HAGEN JOHN P	HAMILTON P A DR
HAN FU	HAN WENJUN	HANASZ JAN DR
HANBURY BROWN ROBERT PROF	HANKINS TIMOTHY HAMILTON	HARDEE PHILIP
HARRIS DANIEL E DR	HARTEN RONALD H DR	HARTZ THEODORE R DR
HASCHICK AUBREY	HASLAM C GLYN T DR	HAYNES MARTHA P
HAYNES RAYMOND F PROF	HAZARD CYRIL DR	HEESCHEN DAVID S DR
HEIDMANN JEAN DR	HEILES CARL PROF	HENKEL CHRISTIAN
HEWISH ANTONY PROF	HEY JAMES STANLEY DR	HIGGS LLOYD A DR
HILF EBERHARD R H PH D	HILLS RICHARD E DR	HIRABAYASHI HISASHI DR
HJALMARSON AKE G DR	HJELLMING ROBERT M DR	HO PAUL T P
HOANG BINH DY DR	HOBBS ROBERT W DR	HOEGBOM JAN A DR
HOEGLUND BERTIL PROF	HOGG DAVID E DR	HOLLIS JAN MICHAEL DR
HOOGHOUDT B G IR	HOWARD WILLIAM E III DR	HUCHTMEIER WALTER K DR
HUGHES PHILIP	HUGHES VICTOR A PROF	HULSBOSCH A N M DR
HUNSTEAD RICHARD W DR	IKHSANOV ROBERT N DR	IKHSANOVA VERA N DR
INATANI JUNJI	INOUE MAKOTO DR	JAFFE WALTER JOSEPH DR
JANSSEN MICHAEL ALLEN	JENKINS CHARLES R	JENNISON ROGER C PROF
JIN SHEN-ZENG	JOHANSSON LARS ERIK B DR	JOHNSON DONALD R DR
JOHNSTON KENNETH J	JOLY FRANCOIS DR	JONES DAYTON L
JOSHI MOHAN N PROF	KAFTAN MAY A DR	KAHN FRANZ D PROF
KAI KEIZO DR	KAKINUMA TAKAKIYO T PROF	KALBERLA PETER
KANG GON IK	KARDASHEV N S DR	KASUGA TAKASHI
KAUFMANN PIERRE PROF	KAWABATA KINAKI PROF	KAZES ILYA DR
KENDERDINE SIDNEY DR	KERR FRANK J DR	KESTEVEN MICHAEL J L DR

KISLYAKOV ALBERT G DR	KLEIN ULRICH	KO HSIEN C PROF
KOJOIAN GABRIEL DR	KOMESAROFF MAX M	KOTELNIKOV V A ACAD
KRAUS JOHN D PROF	KREYSA ERNST	KRISHNA GOPAL
KRISHNAMOHAN S DR	KRISHNAN THIRUVENKATA MR	KRONBERG PHILIPP DR
KRUEGEL ENDRIK DR	KUIJPERS H. JAN M.E. DR	KUIPER THOMAS B H DR
KULKARNI PRABHAKAR V PROF	KULKARNI V K DR	KUNDT WOLFGANG PROF DR
KUNDU MUKUL R DR	KURIL-CHIK V N DR	KUS ANDRZEJ JAN DR
KUTNER MARC LESLIE DR	KUZMIN ARKADII D PROF DR	KWOK SUN DR
LADA CHARLES JOSEPH DR	LAFFINEUR MARIUS MR	LAING ROBERT
LANG KENNETH R ASST PROF	LANGER WILLIAM DAVID DR	LANTOS PIERRE DR
LARGE MICHAEL I DR	LASENBY ANTHONY	LE SQUEREN ANNE-MARIE DR
LEBLANC YOLANDE DR	LEGG THOMAS H DR	LEPINE JACQUES R D DR
LEQUEUX JAMES DR	LEUNG CHUN MING DR	LI CHUN-SHENG
LI GYONG WON	LI HONG-WEI	LIANG SHI-GUANG
LILLEY EDWARD A PROF	LINKE RICHARD ALAN DR	LITTLE LESLIE T DR
LO KWOK-YUNG DR	LOCKE JACK L DR	LOCKMAN FELIX J
LONGAIR M S PROF	LOREN ROBERT BRUCE DR	LORENZ HILMAR
LOVELL SIR BERNARD PROF	LOZINSKAYA TAT'YANA A DR	LU YANG
LUO XIANHAN	LYNE ANDREW G DR	MACCHETTO FERDINANDO DR
MACDONALD GEOFFREY H DR	MACDONALD JAMES	MACHALSKI JERZY DR
MACLEOD JOHN M DR	MACRAE DONALD A PROF	MANCHESTER RICHARD N DR
MANDOLESI NAZZARENO	MARAN STEPHEN P DR	MARQUES DOS SANTOS P PROF
MARSCHER ALAN PATRICK	MARTIN ROBERT N DR	MASLOWSKI JOZEF DR
MASSON COLIN R	MATHESON DAVID NICHOLAS	MATSAKIS DEMETRIOS N
MATTILA KALEVI DR	MAXWELL ALAN DR	MAYER CORNELL H
MCADAM W BRUCE DR	MCCULLOCH PETER M DR	MCGEE JAMES D PROF
MCKENNA LAWLOR SUSAN	MCLEAN DONALD J DR	MEBOLD ULRICH DR PROF
MEEKS M LITTLETON DR	MEIER DAVID L	MENON T K PROF
MICHALEC ADAM	MILEY G K DR	MILLS BERNARD Y PROF
MILNE DOUGLAS K DR	MILGRADOV-TURIN JELENA	MIRABEL IGOR FELIX DR
MOFFET ALAN T PROF	MOISEEV I G DR	MOLCHANOV A P PROF
MORAN JAMES M DR	MORIMOTO MASAKI DR	MORISON IAN MR
MORITA KAZUHIKO	MORIYAMA FUMIO PROF	MORRAS RICARDO DR.
MORRIS DAVID DR	MORRIS MARK ROOT DR	MULLER C A PROF JR
MURDOCH HUGH S DR	MUTEL ROBERT LUCIEN	MUXLOW THOMAS
MYERS PHILIP C	NADEAU DANIEL DR	NAGNIBEDA VALERY G DR
NAN REN-DONG	NGUYEN-QUANG RIEU DR	O'SULLIVAN JOHN DAVID DR
OKOYE SAMUEL E PROF	OORT JAN H PROF	OSTERBROCK DONALD E PROF
OWEN FRAZER NELSON DR	PACHOLCZYK ANDRZEJ G PROF	PADMAN RACHAEL
PALMER PATRICK E PROF	PANKONIN VERNON LEE DR	PAPAGIANNIS MICHAEL D PRO
PARIJSKIJ YU N DR	PARKER EDWARD A DR	PARRISH ALLAN DR.
PASACHOFF JAY M PROF	PAULINY TOTH IVAN K K DR	PAULS THOMAS ALBERT DR
PAYNE DAVID G	PEARSON TIMOTHY J	PEDLAR ALAN DR
PENG YUN-LOU	PENZIAS ARNO A DR	PERLEY RICHARD ALAN
PETERS WILLIAM L III DR	PETTENGILL GORDON H PROF	PHILLIPS THOMAS GOULD DR
PICK MONIQUE DR	PONSONBY JOHN E B DR	POOLEY GUY DR
PORCAS RICHARD DR	PRESTON ROBERT ARTHUR	PREUSS EUGEN DR
PRICE R MARCUS DR	PRIESTER WOLFGANG PROF	PUSCHELL JEFFERY JOHN
QIAN SHAN-JIE	QIU YU-HAI	RADHAKRISHNAN V PROF
RAIMOND ERNST DR	RAMATY REUVEN DR	RAO A PRAMESH DR
RAY THOMAS P	RAZIN V A DR	READHEAD ANTHONY C S DR
REBER GROTE DR	REICH WOLFGANG	REID MARK JONATHAN DR
REYES FRANCISCO DR	RIBES JEAN-CLAUDE DR	RICKARD LEE J DR
RICKETT BARNABY JAMES DR	RIIHIMAA JORMA J DR	RILEY JULIA M DR
ROBERTS DAVID HALL DR	ROBERTS JAMES A DR	ROBERTS MORTON S DR
ROBERTSON DOUGLAS S	ROBERTSON JAMES GORDON DR	ROBINSON BRIAN J DR
ROBINSON JR RICHARD D DR	RODRIGUEZ LUIS F	RODER ROBERT C PROF
ROENNAENG BERNT O DR	ROESER HANS-PETER	ROGER ROBERT S DR

ROGERS ALAN E E DR	ROGSTAD DAVID H DR	ROHLFS K PROF DR
ROMNEY JONATHAN D DR	ROWSON BARRIE DR	RUBIN ROBERT HOWARD
RUBIO MONICA DR	RUDNICK LAWRENCE DR	RYDBECK GUSTAF H B DR
RYDBECK OLOF E H PROF	RYZHKOV N F DR	SAIKIA D J DR
SALOMONOVICH A E DR	SALPETER EDWIN E PROF	SANAMIAN V A DR
SANDELL GORAN HANS L DR	SARMA N V G PROF	SASTRY CH V
SATO FUMIO DR	SAUNDERS RICHARD D.E.	SAVAGE ANN DR
SCALISE JR EUGENIO DR	SCHEUER PETER A G DR	SCHILIZZI RICHARD T DR
SCHLICKEISER REINHARD DR	SCHMIDT MAARTEN PROF	SCHULTZ G V DR
SCHULLZ ROLF ANDREAS	SCHWARTZ PHILIP R DR	SCHWARZ ULRICH J DR
SCOTT JOHN S DR	SCOTT PAUL F DR	SEIELSTAD GEORGE A
SEIRADAKIS JOHN HUGH DR	SHAFFER DAVID B DR	SHAKESHAFI JOHN R DR
SHAVER PETER A DR	SHERIDAN K V DR	SHIMMINS ALBERT JOHN
SHOLOMITSKY G B DR	SHUTER WILLIAM L H DR	SIEBER WOLFGANG PH D
SIMON PAUL A DR	SINHA RAMESHWAR P	SLADE MARTIN A III DR
SLEE O B DR	SLYSH V I DR	SMITH ALEX G PROF
SMITH DEAN F DR	SMITH F GRAHAM PROF	SMOL'KOV GENNADIJ YA DR
SOBOLEVA N S DR	SOFUE YOSHIAKI PROF	SOROCHENKO R L DR
SPENCER JOHN HOWARD	SPENCER RALPH E DR	SRAMEK RICHARD A DR
STAHR-CARPENTER M DR	STANLEY G J	STANNARD DAVID DR
STEINBERG JEAN-LOUIS DR	STEWART PAUL DR	STEWART RONALD T MR
STONE R G DR	SULLIVAN WOODRUFF T III	SUZUKI HIROKO
SWARUP GOVIND PROF	SWENSON GEORGE W JR PROF	TABARA HIROTO DR
TAKAGI KOJIRO PROF	TAKAKUBO KEIYA PROF	TAKAKURA TATSUO PROF EMER
TANAKA RIICHIRO PROF	TARTER JILL C DR	TERZIAN YERVANT PROF
THOMASSON PETER DR	THOMPSON A RICHARD DR	THUM CLEMENS DR
TLAMICHA ANTONIN DR	TOFANI GIANNI PROF	TOLBERT CHARLES R DR
TOMASI PAOLO DR	TOVMASSIAN H M DR	TOWNES CHARLES HARD DR
TRITTON KEITH P DR	TROITSKY V S PROF DR	TROLAND THOMAS HUGH
TSURUTA SACHIKO DR	TURLO ZYGMUNT DR	TURNER BARRY E DR
TURNER KENNETH C DR	TURTLE A J DR	UDAL'TSOV V A DR
UKITA NOBUHARU	ULRICH BRUCE T PROF	ULRICH MARIE-HELENE D DR
UNWIN STEPHEN C	URPO SEppo I	VALLEE JACQUES P DR
VALTAAJA ESKO	VAN DE HULST H C PROF DR	VAN DER HULST JAN M DR
VAN DER KRUIT PIETER C DR	VAN DER LAAN H PROF DR	VAN GORKOM JACQUELINE H
VAN NIEUWKOOP J DR IR	VAN WOERDEN HUGO PROF DR	VANDEN BOUT PAUL A
VARSAVSKY C M DR	VELUSAMY T DR	VENUGOPAL V R DR
VERON PHILIPPE DR	VERSCHUUR GERRIT L PROF	VINER MELVYN R DR
VIVEKANAND M DR	WADE CAMPBELL M DR	WALL JASPER V DR
WALMSLEY C MALCOLM DR	WALSH DENNIS DR	WAN TONG-SHAN
WANG JING-SHENG	WANNIER PETER GREGORY DR	WARDLE JOHN F C PROF
WARNER PETER J DR	WARWICK JAMES W DR	WEAVER HAROLD F PROF
WEI MINGZHI	WARLICH WILLIAM J PROF	WELIACHEW LEONID DR
WELLINGTON KELVIN DR	WENDKER HEINRICH J PROF	WESTERHOUT GART DR
WESTFOLD KEVIN C PROF	WHITEOAK J B DR	WICKRAMASINGHE N C PROF
WIELEBINSKI RICHARD PROF	WILD JOHN PAUL DR	WILKINSON PETER N DR
WILLIAMS D DR	WILLIS ANTHONY GORDON DR	WILLS BEVERLEY J DR
WILLS DEREK DR	WILLSON ROBERT FREDERICK	WILSON ANDREW S DR
WILSON ROBERT W DR	WILSON WILLIAM J DR	WINK JOERN ERHARD DR
WINNBERG ANDERS DR	WINNEWISSER GIBBERT DR	WITZEL ARNO DR
WOLTJER LODEWIJK PROF	WOODSWORTH ANDREW W.DR	WOOTTEN HENRY ALWYN
WRIGHT ALAN E DR	WU HUAI-WEI	WU SHENGYIN
WU XINJI	XU PEI-YUAN	XU ZHI-CAI
YANG JIAN	YIN QI-FENG	YOUNIS SAAD M
ZAITSEV VALERII V DR	ZHAO REN-YANG	ZHELEZNIKOV VLADIMIR V
ZHENG YI-JIA	ZHOU TI-JIAN	ZIEBA STANISLAW DR
ZLOBEC PAOLO DR	ZUCKERMAN BEN M DR	

MEMBERSHIP OF COMMISSIONS

COMMISSION No. 41

HISTORY OF ASTRONOMY (HISTOIRE DE L'ASTRONOMIE)

President : EDDY JOHN A DR
 Vice-President(s) : NORTH JOHN DAVID PROF
 Organizing Committee: DEBARBAT SUZANNE V DR
 EELSALU HEINO DR
 PEDERSEN OLAF PROF
 XI ZE-ZONG

Members:

ANSARI S M RAZAULLAH PROF	ARGYRAKOS JEAN PROF DR	BADOLATI ENNIO
BERENDZEN RICHARD DR	BISHOP ROY L DR	BO SHU-REN
BRUNET JEAN-PIERRE DR	CARLSON JOHN B	CHEN ZUN-GUI
CIMINO MASSIMO A PROF	CORNEJO ALEJANDRO A DR	DADIC ZARKO DR
DARIUS JON DR	DEEMING T J DR	DEKKER E DR
DEWHIRST DAVID W DR	DICK STEVEN J	DOBRYZCKI JERZY PROF
DOUGLAS A VIBERT DR	DEVORKIN DAVID H	EDMONDSON FRANK K PROF
ERPYLEV N P DR	EVANS DAVID S PROF	FERNIE J DONALD PROF
FERRARI D'OCCHIEPPO K DR	FIRNEIS MARIA G DR	FLORIDES PETROS S PROF
FREIESLEBEN H C DR	FREITAS MOURAO R R DR	GINGERICH OWEN PROF
HAWKINS GERALD S DR	HAYLI AVRAM PROF	HEGGIE DOUGLAS C DR
HERRMANN DIETER DR	HORSKY ZDENEK DR	HOSKIN MICHAEL A DR
HOWSE H DEREK	HYSOM EDMUND J	IDLIS G M DR
JACKISCH GERHARD DR	KENNEDY JOHN E PROF	KHROMOV G S DR
KIANG TAO PROF	KING HENRY C DR	KOTSAKIS DEMETRIUS PROF
KULIKOVSKIY P G DR	KUNITZSCH PAUL PROF.	LANG KENNETH R ASSI PROF
LEVY JACQUES R DR	LI ZHI-SEN	LIU JINYI
MALIN STUART	MCKENNA LAWLOR SUSAN	MEADOWS A JACK PROF
MERLEAU-PONTY J PROF	MOESGAARD KRISTIAN P	NAKAYAMA SHIGERU DR
OMER GUY C JR PROF	ORCHISTON WAYNE DR	OSTERBROCK DONALD E PROF
PELSENEER JEAN KON PROF	PETERSON CHARLES JOHN DR	PETRI WINFRIED PROF DR
PINGREE DAVID PROF	POGO ALEXANDER DR	PORTER NEIL A PROF
POULLE EMMANUEL PROF	PROKAKIS THEODORE J DR	QUAN HEJUN
RONAN COLIN A	RYBKA EUGENIUSZ PROF DR	RYBKA PRZEMYSLAW DR
SATO NAONOBU PROF	SHUKLA K	SIGNORE MONIQUE DR
SOLC MARTIN	STEPHENSON F RICHARD DR	SULLIVAN WOODRUFF T III
SUNDMAN ANITA DR	SVOLOPOULOS SOTIRIOS PROF	SWERDLOW NOEL PROF
TATON RENE PROF	THOREN VICTOR E PROF	VERDET JEAN-PIERRE DR
WATTENBERG D PROF	WHITAKER EWEN A	WHITE GRAEME LINDSAY DR
WHITROW GERALD JAMES PROF	WILSON CURTIS A	WRIGHT HELEN
XU ZHENTAO	YABUUTI KIYOSHI PROF	YEOMANS DONALD K DR
ZHANG PEIYU	ZHUANG WEIFENG	ZOSIMOVICH IRINA D

COMMISSION No. 42

CLOSE BINARY STARS (ETOILES DOUBLES SERREES)

President : SMAK JOSEPH I PROF

Vice-President(s) : KOCH ROBERT H DR

Organizing Committee: ABHYANKAR KRISHNA D PROF
 ANDERSEN JOHANNES
 BATTEN ALAN H DR
 BUDDING EDWIN DR
 GIBSON DAVID MICHAEL DR
 KITAMURA M PROF
 KONDO YOJI DR
 LEUNG KAM CHING PROF
 RAHE JURGEN PROF
 RODONO MARCELLO DR
 SHAVIV GIORA DR

Members:

AL-NAIMY HAMID M K DR	ANTONOPOULOU E DR	AWADALLA NABIL SHOUKRY DR
BARKER BRUCE MICHAEL	BARTOLINI CORRADO	BATH GEOFFREY T DR
BLITZSTEIN WILLIAM DR	BOLTON C THOMAS PROF	BONAZZOLA SILVANO DR
BOOKMYER BEVERLY B DR	BOPP BERNARD W DR	BREINHORST ROBERT A DR
BROGLIA PIETRO DR	BROWNLEE ROBERT R DR	BRUHWEILER FRED C JR
BUNNER ALAN N DR	BUSSO MAURIZIO	CATALANO SANTO DR
CESTER BRUNO PROF	CHAMBLISS CARLSON R DR	CHANMUGAM GANESAR PROF
CHAPMAN ROBERT D DR	CHEN KWAN-YU PROF	CHEREPASHCHUK A M PROF
CHOCHOL DRAHOMIR	CHOI KYU-HONG	CILLIE G G PROF
CLAUSEN JENS VIGGO LEKTOR	COLLINS GEORGE W II PROF	COWLEY ANNE P DR
CRISTALDI SALVATORE DR	DADAEV ALEKSANDR N DR	DE GREVE JEAN-PIERRE DR
DE GROOT MART DR	DE KORT JULES J DR	DE LOORE CAMIEL PROF
DELGADO ANTONIO JESUS	DEMIRCAN OSMAN DR	DOUGHTY NOEL A DR
DRECHSEL HORST DR	DUERBECK HILMAR W DR	EATON JOEL A DR
EGGLETON PETER P DR	FAULKNER JOHN PROF	FEKEL FRANCIS C
FERRARI D'OCCHIEPPO K DR	FIRMANI CLAUDIO A PROF	FLANNERY BRIAN PAUL DR
FRACASSINI MASSIMO PROF	FRACASTORO MARIO G PROF	FRANK JUHAN
FRANTSMAN YU L DR	FREDRICK LAURENCE W PROF	FRIEDJUNG MICHAEL DR
GARMANY CATHERINE D DR	GEYER EDWARD H PROF DR	GIANNONE PIETRO PROF
GIMENEZ ALVARO	GIOVANNELLI FRANCO DR	GIURICIN GIULIANO
GRYGAR JIRI DR	GUINAN EDWARD FRANCIS DR	GULLIVER AUSTIN FRASER DR
GURSKY HERBERT DR	GUSEINOV O H PROF	GYLDENKERNE KJELD DR
HALL DOUGLAS S DR	HAMMERSCHLAG-HENSBERGE G	HARMANEC PETR DR
HAZLEHURST JOHN DR	HEINTZ WULFF D DR	HENSLER GERHARD
HERCZEG TIBOR J PROF DR	HILDITCH RONALD W DR	HILL GRAHAM DR
HJELLMING ROBERT M DR	HOFFMANN MARTIN DR	HOLT STEPHEN S
HONEYCUTT R KENT PROF	HORAK TOMAS B DR	HRYVNAK BRUCE J
HUBE DOUGLAS P DR	HUTCHINGS JOHN B DR	IBANOGLU C DR
IMBERT MAURICE DR	IRWIN JOHN B PROF	JABBAR SABEH RHAMAN
JASCHEK CARLOS O R PROF	JOSS PAUL CHRISTOPHER DR	JURKEVICH IGOR DR
KADOURI TALIB HADI	KANDPAL CHANDRA D	KARETNIKOV VALENTIN G R
KAWABATA SHUSAKU PROF	KEMP JAMES C	KOPAL ZDENEK PROF

KOUBSKY PAVEL	KRAFT ROBERT P PROF	KRAICHEVA ZDRAVSKA DR
KRAUTTER JOACHIM DR	KREINER JERZY MAREK DR	KRIZ SVATOPLUK DR
KRON KATHERINE GORDON	KRUSZEWSKI ANDRZEJ PROF	KRZEMINSKI WOJCIECH DR
KUMSIASHVILY MZIA I DR	KURPINSKA-WINIARSKA M DR	KVIZ ZDENEK DR
KWEE K K DR	LACY CLAUD H DR	LAMB DONALD QUINCY JR DR
LANDOLT ARLO U PROF	LAPASSET EMILIO DR	LARSSON-LEANDER G PROF
LAVROV M I PROF	LINNELL ALBERT P PROF	LIU XUEFU
LUCY LEON B PROF	LYUTY VICTOR M DR	MACDONALD JAMES
MACERONI CARLA	MAGALASHVILI N L DR	MAMMANO AUGUSTO DR
MARDIROSSIAN FABIO	MARILLI ETTORE DR	MARINO BRIAN F ENG
MARTYNOV D YA PROF DR	MATTEI JANET AKYUZ DR	MAUDER HORST PROF DR
MAYER PAVEL DR	MCCLUSKEY GEORGE E JR DR	MERRILL JOHN E DR
MEYER-HOFMEISTER E DR	MEZZETTI MARINO	MILONE EUGENE F PROF
MIJAJI SHIGEKI DR	MOCHNACKI STEPHAN W DR	MORGAN THOMAS H DR
MUMFORD GEORGE S PROF	NAKAMURA YASUHISA	NARIAI KYOJI DR
NATHER R EDWARD	NELSON BURT DR	NHA IL-SEONG DR
NORDSTROM BIRGITTA DR	OKAZAKI AKIRA DR	OLIVER JOHN PARKER DR
OLSON EDWARD C PROF	OSAKI YOJI DR	OVENDEN MICHAEL W PROF
PACZYNSKI BOHDAN PROF	PADALIA T D DR	PARTHASARATHY M DR
PATKOS LASZLO DR	PETERS GERALDINE JOAN DR	PICCIONI ADALBERTO
PIIROLA VILPPU E DR	PLAVEC MIREK J PROF	POLIDAN RONALD S
POPPER DANIEL M PROF	PRINGLE JAMES E DR	QIAO GUOJUN
RAFERT JAMES BRUCE	RAHUNEN TIMO	RAKOS KARL D PROF
REFSDAL S PROF DR	REUNING ERNEST G DR	RITTER HANS DR
ROBERTSON JOHN ALISTAIR	ROBINSON EDWARD LEWIS DR	ROVITHIS PETER DR
ROVITHIS-LIVANIOU HELEN	ROXBURGH IAN W PROF	RUCINSKI SLAWOMIR M DR
SADIK AZIZ R DR	SAHADE JORGE PROF	SAIJO KEIICHI
SANWAL N B DR	SANYAL ASHIT DR	SAVONIJE GERRIT JAN DR
SCALTRITI FRANCO DR	SCARFE COLIN D DR	SCHMIDT HANS PROF
SCHOBER HANS J DR	SCHOEFFEL EBERHARD F DR	SEGGEWISS WILHELM PROF
SEMIENIUK IRENA DR	SHAKURA NICHOLAJ I DR	SHEN LIANG-ZHAO
SHU FRANK H PROF	SHUL'BERG A M DR	SIMA ZDISLAV DR
SIMMONS JOHN FRANCIS L	SINVAH SHAMBHU DAYAL DR	SISTERO ROBERTO F DR
SMITH ROBERT CONNON DR	SOBIESKI STANLEY DR	SOEDERHJELM STAFFAN DR
SOLHEIM JAN ERIK	SPARKS WARREN M DR	SRIVASTAVA J B DR
STARRFIELD SUMNER PROF	STENCEL ROBERT EDWARD	STROHMEIER WOLFGANG PROF
SUGIMOTO DAIICHIRO PROF	SUNDMAN ANITA DR	SVECHNIKOV M A DR
SZAFRANIEC ROZALIA DR	SZKODY PAULA DR	TAN HUISONG
THOMPSON KEITH DR	TODORAN IOAN DR	TREMKO JOZEF DR
TRIMBLE VIRGINIA L DR	TSESEVICH V P PROF DR	TUTUKOV A V DR
URECHE VASILE DR	VAN DEN HEUVEL EDWARD P J	VAN HAMME WALTER
VAN HOOF A PROF EM	VAN PARADIJS JOHANNES DR	VAN'T VEER FRANS DR
VAZ LUIZ PAULO RIBEIRO	VETESNIK MIROSLAV DR	VILHU OSMI DR
WALKER RICHARD L	WALKER WILLIAM S G	WALTER KURT PROF DR
WARD MARTIN JOHN	WARGAU WALTER FRIEDRICH	WARNER BRIAN PROF
WEBBINK RONALD F DR	WEHLAU WILLIAM H PROF	WEIGERT ALFRED PROF
WEILER EDWARD J DR	WELLMANN PETER PROF DR	WESSELINK ADRIAAN J DR
WILLIAMON RICHARD M	WILLIAMS ROBERT E DR	WILSON ROBERT E PROF
WOOD DAVID B DR	WOOD F BRADSHAW PROF	WRIGHT KENNETH O DR
YAMASAKI ATSUMA DR	ZHAI DI-SHENG	ZHU CI-SHENG
ZIOLKOWSKI JANUSZ DR	ZUIDERWIJK EDWARDUS J	

COMMISSION No. 44

ASTRONOMY FROM SPACE (L'ASTRONOMIE A PARTIR DE L'ESPACE)

President : KONDO YOJI DR

Vice-President(s) : POUNDS KENNETH A PROF

Organizing Committee: BOYARCHUK A A DR
 CLARK GEORGE W PROF
 COURTES GEORGES PROF
 GREWING MICHAEL PROF
 JENKINS EDWARD B DR
 MACCHETTO FERDINANDO DR
 ODA MINORU PROF
 RAHE JURGEN PROF
 SHOLOMITSKY G B DR
 TANAKA YASUO PROF
 TRUEMPER JOACHIM PROF
 VAN DER HUCHT KAREL A DR
 WILLIS ALLAN J DR

Members:

ACTON LOREN W DR	AGRAWAL P C DR	ALEXANDER JOSEPH K
ASCHENBACH BERND PH D	AYRES THOMAS R	BALIUNAS SALLIE L
BENEDICT GEORGE F DR	BERGERON JACQUELINE A DR	BERNACCA P L PROF
BIANCHI LUCIANA	BLAMONT JACQUES E PROF	BLEEKER JOHAN A M DR IR
BLESS ROBERT C PROF	BOGGESS ALBERT DR	BOGGESS NANCY W DR
BOHLIN RALPH C DR	BOKSENBERG ALEC PROF	BONNET ROGER M DR
BOUGERET J L DR	BOWYER C STUART PROF	BOYD ROBERT L F PROF
BRANDT JOHN C DR	BRINKMAN BERT C DR	BRUECKNER GUENTER E DR
BRUHWEILER FRED C JR	BRUNER MARILYN E DR	BUMBA VACLAV DR
BUNNER ALAN N DR	BURGER MARIJKE DR	BURTON WILLIAM M
CAMPBELL MURRAY F	CARROLL P KEVIN PROF	CARVER JOHN H PROF
CATURA RICHARD C DR	CHAPMAN ROBERT D DR	CHARLES PHILIP ALLAN
CHOCHOL DRAHOMIR	CHUBB TALBOT A DR	CLARK THOMAS ALAN DR
CODE ARTHUR D	COURVOISIER THIERRY J.-L.	CRANNELL CAROL JO DR
CULHANE LEONARD PROF	DAVIDSEN ARTHUR FALNES DR	DAVIS ROBERT J DR
DE JAGER CORNELIS PROF	DENNIS BRIAN ROY DR	DI COCCO GUIDO
DOLAN JOSEPH F DR	DUNKELMAN LAWRENCE	DUPREE ANDREA K DR
EL-RAEY MOHAMED E DR	FABRICANT DANIEL G	FARAGGIANA ROSANNA PROF
FAZIO GIOVANNI G DR	FELDMAN PAUL DONALD DR	FERRARI TONIOLO MARCO
FICHEL CARL E DR	FISHER PHILIP C	FISHMAN GERALD J
FITTON BRIAN DR	FREDGA KERSTIN PROF	FRIEDMAN HERBERT DR
FU CHENG-QI	FURNISS IAN	GABRIEL ALAN H
GEZARI DANIEL YSA DR	GIACCONI RICCARDO PROF	GILRA DAYA P DR
GLASER HAROLD DR	GOLD THOMAS PROF	GOLDBERG LEO PROF
GONDALEKAR PRABHAKAR DR	GREYBER HOWARD D DR	GRIFFITHS RICHARD E DR
GULL THEODORE R DR	GURSKY HERBERT DR	GUSEINOV O H PROF
HACK MARGHERITA PROF	HADDOCK FRED T DR	HALLAM KENNETH L DR
HAN ZHENG-ZHONG	HANG HENG-RONG	HARMS RICHARD JAMES DR
HARTZ THEODORE R DR	HARVEY CHRISTOPHER C DR	HARVEY PAUL MICHAEL DR

HAYAKAWA SATIO PROF	HEARN ANTHONY G DR	HECKATHORN HARRY M
HEISE JOHN DR	HELMKEN HENRY F DR	HENIZE KARL G ASTRONAUT
HENOUX JEAN-CLAUDE DR	HENSBERGE HERMAN	HINTEREGGER HANS E DR
HOFFMAN JEFFREY ALAN DR	HOLBERG JAY B	HOLT STEPHEN S
HOUZIAUX L PROF	HOWARTH IAN DONALD	HOYNG PETER DR
HU WEN-RUI	HUBER MARTIN C E DR	INOUE HAJIME DR
JAMAR CLAUDE A J DR	JORDAN CAROLE DR	JORDAN STUART D DR
KAFATOS MINAS DR	KARPINSKIJ VADIM N DR	KASTURIRANGAN K DR
KOCH-MIRAMOND LYDIE DR	KRAEMER GERHARD DR	KRAUSHAAR WILLIAM L PROF
KURT V G DR	LAMERS H J G L M DR	LECKRONE DAVID S DR
LEMAIRE PHILIPPE DR	LEWIN WALTER H G PROF	LI TIPEI
LI ZHONGYUAN	LINDBLAD BERTIL A DR	LINSKY JEFFREY L DR
LINSLEY JOHN	LOVELL SIR BERNARD PROF	LUEST REIMAR PROF
MA YU-QIAN	MALAISE DANIEL J DR	MALITSON HARRIET H MS
MANARA ALESSANDRO A DR	MANDELSTAM S L PROF	MANDOLESI NAZZARENO
MARAN STEPHEN P DR	MARAR T M K	MAROV MIKHAIL YA PROF
MATSUOKA MASARU DR	MCCLUSKEY GEORGE E JR DR	MCCRACKEN KENNETH G DR
MCWHIRTER R W PETER DR	MELNICK GARY J	MEWE R DR
MICHALITSIANOS ANDREW	MIYAMOTO SIGENORI PROF	MODISETTE JERRY L PROF
MONET DAVID G	MONFILS ANDRE G PROF	MOOS HENRY WARREN DR
MORGAN THOMAS H DR	MORTON DONALD C DR	MUELLER EDITH A PROF
MURDOCK THOMAS LEE	NESS NORMAN F DR	NEUPERT WERNER M DR
NORDH H LENNART DR	NOVICK ROBERT	NOVOTNY VACLAV
NOYES ROBERT W PROF	O'MONGAIN EON	ODA NAOKI
OGAWARA YOSHIAKI	OKUDA TORU	OLTHOF HINDERICUS DR
OWEN TOBIAS C PROF	PACINI FRANCO PROF	PAPAGIANNIS MICHAEL D PROF
PARKINSON JOHN H DR	PARKINSON WILLIAM H	PETERS GERALDINE JOAN DR
PETERSON LAURENCE E PROF	PHILLIPS KENNETH J H	PINKAU K PROF
POLIDAN RONALD S	PRICE STEPHAN DONALD	PROKOF'EV VLADIMIR K PROF
PROSZYNSKI MIECZYSLAW	RAO RAMACHANDRA V PROF	REES MARTIN J PROF
REEVES EDMOND M DR	RENSE WILLIAM A DR	RIGHINI-COHEN GIOVANNA DR
ROMAN NANCY G DR	ROSENDHAL JEFFREY D DR	RUBEN G PROF DR
RUDER HANNS	SALOMONOVICH A E DR	SATO KATSUHIKO PROF
SAVAGE BLAIR D DR	SCHOENEICH W DR	SCHULTZ G V DR
SCHWARTZ DANIEL A DR	SCHWARTZ STEVEN JAY	SELVELLI PIERLUIGI DR
SEVERNYJ A B PROF DR	SHIVANANDAN KANDIAH DR	SILVESTRO GIOVANNI
SIMON PAUL A DR	SIMON PAUL C DR	SMITH BRADFORD A PROF
SMITH HARLAN J PROF	SMITH HOWARD ALAN	SMITH LINDA J
SNOW THEODORE P PROF	SOFIA SABATINO PROF	SPADA GIANFRANCO DR
SPEER R J DR	SPITZER LYMAN JR DR	STACHNIK ROBERT V
STAUBERT RUDIGER PROF DR	STECHEER THEODORE P	STEINBERG JEAN-LOUIS DR
STENCEL ROBERT EDWARD	STERN ROBERT ALLAN	STIER MARK T
STOCKMAN HERVEY S JR DR	STONE R G DR	SU WAN-ZHEN
TAKAKURA TATSUO PROF EMER	THOMAS ROGER J DR	TOVMASSIAN H M DR
TRAUB WESLEY ARTHUR	UNDERHILL ANNE B DR	UNDERWOOD JAMES H DR
UPSON WALTER L II DR	VALNICEK BORIS DR	VAN BEEK FRANK DR
VAN DE HULST H C PROF DR	VAN DUINEN R J DR	VAN SPEYBROECK LEON P DR
VIAL JEAN-CLAUDE	VIDAL-MADJAR ALFRED DR	VIOTTI ROBERTO DR
WALSH DENNIS DR	WAMSTEKER WILLEM DR	WANG SHUI
WARNER JOHN W DR	WEILER EDWARD J DR	WEINBERG J L DR
WESSELIUS PAUL R DR	WESTPHAL JAMES A PROF	WILLNER STEVEN PAUL DR
WILSON ROBERT PROF	WRAY JAMES D DR	WU CHI CHAO DR
WUNNER GUENTER	YAMASHITA KOJUN DR	ZARNECKI JAN CHARLES DR
ZOMBECK MARTIN V DR	ZOU HUI-CHENG	

COMMISSION No. 45

STELLAR CLASSIFICATION (CLASSIFICATION STELLAIRE)

President : GARRISON ROBERT F PROF

Vice-President(s) : GOLAY MARCEL PROF

Organizing Committee: CLARIA JUAN DR
 MECK ANDRE DR
 HOUK NANCY DR
 LLOYD-EVANS THOMAS DR
 MACCONNELL DARRELL J DR
 OLSEN ERIK H
 STRAIZYS V PROF DR

Members:

ALBERS HENRY PROF	ARDEBERG ARNE L PROF	BAHNG JOHN D R PROF
BARBIER-BROSSAT M DR	BARRY DON C DR	BARTAYA R A DR
BELL ROGER A DR	BIDELMAN WILLIAM P PROF	BLANCO VICTOR M DR
BUSCOMBE WILLIAM PROF	BUSER ROLAND DR	CELIS LEOPOLDO DR
CESTER BRUNO PROF	CHEREPASHCHUK A M PROF	CHRISTY JAMES WALTER DR
CORBALLY CHRISTOPHER	COWLEY ANNE P DR	CRAMPTON DAVID DR
CRAWFORD DAVID L DR	DIVAN LUCIENNE DR	DUFLOT MARCELLE DR
EGRET DANIEL DR	ELVIUS TORD PROF EMERITUS	FEAST MICHAEL W DR
FEHRENBACH CHARLES PROF	FRACASSINI MASSIMO PROF	FUKUDA ICHIRO
GERBALDI MICHELE DR	GEYER EDWARD H PROF DR	GLAGOLEVSKIJ JU V DR
GUETTER HARRY HENDRIK	GURZADIAN G A PROF DR	HACK MARGHERITA PROF
HALLAM KENNETH L DR	HAUCK BERNARD PROF	HAYES DONALD S DR
HENIZE KARL G ASTRONAUT	HERMAN RENEE DR	HILL PHILIP W DR
HILTNER W ALBERT PROF	HUANG LIN	HUMPHREYS ROBERTA M PROF
JASCHEK CARLOS O R PROF	JASCHEK MERCEDES DR	KEENAN PHILIP C PROF EMER
KHARADZE E K PROF	KRON GERALD E DR	LABHARDT LUKAS
LEVATO ORLANDO HUGO DR	LODEN KERSTIN R DR	LOW FRANK J DR
LUTZ JULIE H DR	LYNGA GOSTA DR	MAEHARA HIDEO DR
MALARODA STELLA M DR	MCCARTHY MARTIN F DR	MCCLURE ROBERT D PROF
MCNAMARA DELBERT H DR	MEAD JAYLEE MONTAGUE DR	MENDOZA V EUGENIO E DR
MORGAN WILLIAM W PROF	MORGULEFF NINA ING	MOROSI CARLO
NANDY KASHINATH DR	NICOLET BERNARD	NIKONOV V B DR
NORTH PIERRE	NOTNI P DR	OJA TARMO PROF
OSAWA KIYOTERU DR	OSBORN WAYNE DR	PARSONS SIDNEY B DR
PASINETTI LAURA E PROF	PERRY CHARLES L DR	PHILIP A G DAVIS
PRESTON GEORGE W DR	RAUTELA B S DR	ROMAN NANCY G DR
ROUNTREE JANET DR	RUDKJOBING MOGENS PROF	SANDULEAK NICHOLAS DR
SANG GAK LEE	SANWAL N B DR	SCHILD RUDOLPH E DR
SCHMIDT-KALER TH PROF	SEITTER WALTRAUT C PROF	SHARPLESS STEWART PROF
SINNERSTAD ULF E PROF	SLETTEBAK ARNE PROF	STEINLIN ULI PROF
STEPHENSON C BRUCE PROF	STOCK JURGEN D	STOBEL ANDRZEJ DR
STROMGREN BENGT PROF	UPGREN ARTHUR R DR	WALBORN NOLAN R DR
WALKER GORDON A H PROF	WARNER BRIAN PROF	WARREN WAYNE H JR DR
WESSELIUS PAUL R DR	WEST RICHARD M DR	WESTERLUND BENGT E PROF
WILLIAMS JOHN A DR	WING ROBERT F PROF	WU HSIN-HENG DR
WYCKOFF SUSAN DR	YOSS KENNETH M DR	ZDANAVICIUS KAZIMERAS DR

MEMBERSHIP OF COMMISSIONS

COMMISSION No. 46

TEACHING OF ASTRONOMY

(L'ENSEIGNEMENT DE L'ASTRONOMIE)

President : IWANISZEWSKA CECYLIA DR

Vice-President(s) : SANDQVIST AAGE DR

Organizing Committee: FERRAZ-MELLO S PROF DR
GERBALDI MICHELE DR
GOUGUENHEIM LUCIENNE
HIDAJAT BAMBANG PROF DR
HOUZIAUX L PROF
KLECZEK JOSIP DR
KONONOVICH EDWARD V DR
MIAO YONG-KUAN
PERCY JOHN R PROF
ROBBINS R ROBERT PROF
WENTZEL DONAT G DR

Members:

ACKER AGNES PROF DR	AIAD A DR	ANDRILLAT HENRI L PROF
ANSARI S M RAZAULLAH PROF	BARKHATOVA KLAUDIA PROF	BAROCAS VINICIO PROF
BATTANER EDUARDO DR	BOTEZ ELVIRA DR	BOTTINELLI LUCETTE DR
BRAES L L E DR	BRIEVA EDUARDO PROF	BUSCOMBE WILLIAM PROF
BYRNE PATRICK B DR	CATALA MARIA ASUNCION DR	CHAMBERLAIN JOSEPH M DR
CLARKE DAVID DR	CLIMENHAGA JOHN L PROF	CODINA LANDABERRY SAYD J
DARIUS JON DR	DOMINKO FRAN PROF DR	DOUGHTY NOEL A DR
DUPUY DAVID L DR	ELGARROY OYSTEIN PROF	FAWELL DEREK R DR
FENG KE-JIA	FERNANDEZ-FIGUEROA M J DR	FUENMAYOR FRANCISCO J DR
GURM HARDEV S PROF	HAUCK BERNARD PROF	HAUPT HERMANN F PROF
HERNANDEZ CARLOS ALBERTO	HOFF DARREL BARTON	ISOBE SYUZO DR
JARRETT ALAN H PROF	JORGENSEN HENNING E PROF	KELLER HANS ULRICH DR
KENNEDY JOHN E PROF	KITCHIN CHRISTOPHER R DR	KOURGANOFF VLADIMIR PROF
KREINER JERZY MAREK DR	LAGO MARIA TERESA V T MS	LOMB NICHOLAS RALPH DR
MADDISON RONALD CH DR	MARIK MIKLOS DR.	MARSH JULIAN C D
MAVRIDIS L N PROF	MCCARTHY MARTIN F DR	MCNALLY DEREK DR
MILES HOWARD G MR	MUELLER EDITH A PROF	NICOLOV NIKOLAI S DR
OJA HEIKKI DR	OKOYE SAMUEL E PROF	OSBORN WAYNE DR
OSORIO JOSE J S P PROF	OTHMAN MAZLAN	OWAKI NAOAKI DR
PASACHOFF JAY M PROF	PEERY BENJAMIN F PROF	PROVERBIO EDOARDO PROF
RAMADURAI SOURIRAJA DR	REGO FERNANDEZ M DR	RIGUTTI MARIO PROF
ROBINSON LEIF J	RODGERS ALEX W DR	RODRIGUEZ LUIS F
ROSLUND CURT DR	ROY ARCHIE E PROF	SAFKO JOHN L
SANWAL N B DR	SAXENA P P DR	SCHLOSSER WOLFHARD PROF
SCHMIDT THOMAS DR	SEYMOUR P A H	SHEN CHUN-SHAN
SHIPMAN HENRY L DR	TAYLOR KENNETH N R PROF	TRITTON KEITH P DR
TROCHE-BOGGINO A E DR	VUJNOVIC VLADIS DR	WEST RICHARD M DR
WOO JONG OK	YI ZHAO-HUA	ZEALEY WILLIAM J DR
ZELLIK MICHAEL II DR	ZIMMERMANN HELMUT DR	

COMMISSION No. 47

COSMOLOGY (COSMOLOGIE)

President : SETTI GIANCARLO PROF

Vice-President(s) : SATO HUMITAKA PROF

Organizing Committee: AUDOUZE JEAN PROF
 DE VAUCOULEURS GERARD PR
 GUNN JAMES E PROF
 HAYAKAWA SATIO PROF
 LI ZHI-FANG
 LONGAIR M S PROF
 MOVIKOV I D DR
 TAMMANN G ANDREAS PROF DR
 TRIMBLE VIRGINIA L DR

Members:

AIZU KO PROF	ALFVEN HANNES PROF	ALLAN PETER M
ANDRILLAT HENRI L PROF	AULUCK FAQIR CHAND PROF	BALDWIN JOHN E DR
BARBERIS BRUNO	BARDEEN JAMES M PROF	BARNOTHY JENO DR PROF
BARROW JOHN DAVID	BASU DIPAK DR	BECKMAN JOHN E PROF
BEL NICOLE J DR	BERGERON JACQUELINE A DR	BERTOLA FRANCESCO PROF
BHAVSAR SUKETU P	BICKNELL GEOFFREY V DR	BLUDMAN SIDNEY A PROF
BOKSENBERG ALEC PROF	BOND JOHN RICHARD	BONDI HERMANN PROF SIR
BONNOR W B PROF	BRECHER KENNETH PROF	BURBIDGE GEOFFREY R PROF
CALVANI MASSIMO DR	CAVALIERE ALFONSO G PROF	CHENG FU-HUA
CHENG FU-ZHEN	CHINCARINI GUIDO L DR	CHITRE DATTAKUMAR M DR
CHU YAOQUAN	COHEN JEFFREY M DR	CONDON JAMES J DR
DADHICH NARESH DR	DANESE LUIGI DR	DAS P K DR
DATTA BHASKAR DR	DAVIDSON WILLIAM PROF	DAVIES PAUL CHARLES W
DAVIS MICHAEL M DR	DE ZOTTI GIANFRANCO DR	DEKEL AVISHAI
DEMARET JACQUES DR	DICKE ROBERT H PROF	DIONYSIOU DEMETRIOS D DR
DOROSHKEVICH A G DR	DULTZIN DEBORAH DR	DYER CHARLES CHESTER DR
EHLERS JURGEN PROF	EINASTO JAAN DR	ELLIS GEORGE F R PROF
FABER SANDRA M PROF	FALK SYDNEY W JR DR	FALL S MICHAEL DR
FANG LI-ZHI	FELTEN JAMES E DR	FIELD GEORGE B PROF
FLORIDES PETROS S PROF	FONG RICHARD	FORD HOLLAND C RES PROF
FORMAN WILLIAM RICHARD DR	FRENK CARLOS S	FUJIMOTO MITSUAKI DR
FUKUI TAKAO DR	GALLETTO DIONIGI	GELLER MARGARET JOAN
GIURICIN GIULIANO	GODART ODON PROF	GOLD THOMAS PROF
GOLDSMITH DONALD W. DR.	GORET PHILIPPE DR	GRATTON LIVIO PROF
GREGORY STEPHEN ALBERT DR	GREYBER HOWARD D DR	GRISHCHUK L P DR
HACYAN SHAHEN DR.	HARA KEN NOSUKE DR	HARDY EDUARDO
HARMS RICHARD JAMES DR	HARRISON EDWARD R PROF	HAWKING STEPHEN W PROF
HAYASHI CHUSHIRO PROF	HE XIANG-TAO	HEIDMANN JEAN DR
HELLER MICHAEL PROF	HEWETT PAUL	HOYLE FRED SIR
HUCHRA JOHN PETER DR	ICKE VINCENT DR	IKEUCHI SATORU DR
IYER B R DR	JAROSZYNSKI MICHAL	JAUNCEY DAVID L DR
JIANG SHUDING	JONES BERNARD J T DR	JOSHI MOHAN N PROF
JUSZKIEWICZ ROMAN	KAPOOR RAMESH CHANDER	KARACHENTSEV I D DR
KASPER U DR	KATO SHOJI PROF	KAWABATA KINAKI PROF

KELLERMANN KENNETH I DR	KEMBHAVI AJIT K	KIM JIK SU
KODAMA HIDEO	KORNENDY JOHN DR	KOVETZ ATTAY PROF
KOZLOVSKY B Z DR	KUSTAAHEIMO PAUL E PROF	LACHIEZE-REY MARC
LAKE KAYLL WILLIAM DR	LASOTA JEAN-PIERRE DR	LAUSBERG ANDRE DR
LAYZER DAVID PROF	LEQUEUX JAMES DR	LIEBSCHER DIERCK-E DR
LIU LIAO	LIU YONG-ZHEN	LU TAN
LUMINET JEAN-PIERRE	MACCALLUM MALCOLM A H	MANDOLESI NAZZARENO
MARANO BRUNO	MARDIROSSIAN FABIO	MAREK JOHN
MATERNE JUERGEN DR	MATHER JOHN CROMWELL	MATSUMOTO TOSHIO DR
MAVIDES STAMATIA DR	MCCREA J DERMOTT	MCCREA WILLIAM SIR
MCVITTIE GEORGE C PROF	MERAT PARVIZ	MESZAROS PETER DR
MEZZETTI MARINO	MISNER CHARLES W PROF	MORRISON PHILIP PROF
MULLER RICHARD A	NARIAI HIDEKAZU	NARLIKAR JAYANT V PROF
NEEMAN YUVAL PROF	NISHIDA MINORU PROF	NOERDLINGER PETER D PROF
NOONAN THOMAS W PROF	NOTTALE LAURENT	O'CONNELL ROBERT WEST DR
OEMLER AUGUSTUS JR DR	OKOYE SAMUEL E PROF	OMER GUY C JR PROF
OMNES ROLAND PROF	OORT JAN H PROF	OZERNOY LEONID M PROF
OZSVATH I PROF	PAAL GYORGY DR	PACHNER JAROSLAV PROF
PADMANABHAN T DR	PAGE DON NELSON	PAN RONG-SHI
PEACOCK JOHN ANDREW	PECKER JEAN-CLAUDE PROF	PEEBLES P JAMES E
PENZIAS ARNO A DR	PERRYMAN MICHAEL A C	PERSIDES SOTIRIOS C
PETERSON BRUCE A DR	PETROSIAN VAHE PROF	PRESS WILLIAM H DR
QU QIN-YUE	RAMELLA MASSIMO	REES MARTIN J PROF
REEVES HUBERT PROF	RINDLER WOLFGANG PROF	RIVOLO ARTHUR REX
ROBERTS DAVID HALL DR	ROBINSON I PROF	ROEDER ROBERT C PROF
ROXBURGH IAN W PROF	RUBIN VERA C DR	RUDDY VINCENT P DR
RUDNICK LAWRENCE DR	SAAR ENN DR	SALVADOR-SOLE EDUARDO
SAPAR ARVED DR	SARGENT WALLACE L W DR	SASAKI MISAO
SATO KATSUHIKO PROF	SAVAGE ANN DR	SCHATZMAN EVRY PROF
SCHEUER PETER A G DR	SCHMIDT MAARTEN PROF	SCHNEIDER JEAN
SCHRAMM DAVID N PROF	SCHUECKING E L DR	SCHULTZ G V DR
SCIAMA DENNIS W DR	SCOTT ELIZABETH L PROF	SEGAL IRVING E DR
SEIDEN PHILIP E	SEIELSTAD GEORGE A	SERSIC J L DR
SHAVER PETER A DR	SHAVIV GIORA DR	SHIVANANDAN KANDIAH DR
SIGNORE MONIQUE DR	SIMON RENE L E PROF	SISTERO ROBERTO F DR
SIVARAM C DR	SMITH HARDING E JR DR	SMOOT III GEORGE F.
SOKOLOWSKI LECH	SPYROU NICOLAOS PROF	STECKER FLOYD W DR
STEIGMAN GARY PROF	STEWART JOHN MALCOLM DR	STOEGER WILLIAM R DR
STRUBLE MITCHELL F	SUBRAHMANYA C R	SUNYAEV R A DR
SURDEJ JEAN M G	TARTER JILL C DR	TAUBER GERALD E PROF
TAYLER ROGER J PROF	THOMPSON LAIRD A DR	THUAN TRINH XUAN DR
TIFFT WILLIAM G PROF	TOMIMATSU AKIRA DR	TOMITA KENJI PROF
TREDER H J PROF DR	TREMAINE SCOTT DUNCAN	TREVESE DARIO
TULLY RICHARD BRENT DR	TURNER EDWIN L DR	TURNER MICHAEL S
VAIDYA P C PROF	VAN DER LAAN H PROF DR	VANYSEK VLADIMIR PROF
VISHNIAC ETHAN T	VISHVESHVARA C V PROF	VON BORZESZKOWSKI H H DR
WAGONER ROBERT V PROF	WANG RENCHUAN	WEBSTER ADRIAN S DR
WEINBERG STEVEN DR	WESSON PAUL S DR	WHEELER JOHN A DR
WHITE SIMON DAVID MANION	WHITROW GERALD JAMES PROF	WILKINSON DAVID T
WILL CLIFFORD M DR	WILSON ALBERT G DR	WOLTJER LODEWIJK PROF
WRIGHT EDWARD L DR	XANTHOPOULOS B C DR	XIANG SHOUPING
XIAO XING HUA	YANG LAN-TIAN	ZEL'DOVICH YA B ACAD
ZEL'MANOV A L DR	ZHANG JIA-LU	ZHANG ZHEN-JIU
ZHOU YOU-YUAN	ZHU SHI-CHANG	ZHU XINGFENG
ZIEBA ANDRZEJ PROF	ZIEBA STANISLAW DR	ZOU ZHEN-LONG
ZUIDERWIJK EDWARDUS J		

COMMISSION No. 48

HIGH-ENERGY ASTROPHYSICS

(ASTROPHYSIQUE DES HAUTES ENERGIES)

President : CESARSKY CATHERINE J DR

Vice-President(s) : SUNYAEV R A DR

Organizing Committee: CLARK GEORGE W PROF
 CIACCONI RICCARDO PROF
 PACINI FRANCO PROF
 QU QIN-YUE
 SALPETER EDWIN E PROF
 SCHEUER PETER A G DR
 SCHRAMM DAVID N PROF
 TRIMBLE VIRGINIA L DR
 TRUEMPER JOACHIM PROF
 WOLFENDALE ARNOLD W PROF
 WOLTJER LODEWIJK PROF

Members:

ABRAMOWICZ MAREK DR	ADAMS DAVID J DR	AHLUWALIA HARJIT SINGH DR
AIZU KO PROF	ALFVEN HANNES PROF	ALVAREZ LUIS DR
APPARAO K M V DR	ARNOULD MARCEL L DR	ARONS JONATHAN
ASCHENBACH BERND PH D	ASSEO ESTELLE DR	AUDOUZE JEAN PROF
AVNI YORAM DR	AXFORD W IAN PROF	BAAN WILLEM A
BARNOTHY JENO DR PROF	BASU DIPAK DR	BAYM GORDON ALAN DR
BECKER ROBERT HOWARD	BEGELMAN MITCHELL CRAIG	BENFORD GREGORY DR
BERGERON JACQUELINE A DR	BICKNELL GEOFFREY V DR	BIERMANN PETER L DR
BISWAS SUKUMAR DR	BLANDFORD ROGER DAVID DR	BLEEKER JOHAN A M DR IR
BLUDMAN SIDNEY A PROF	BONAZZOLA SILVANO DR	BONOMETTO SILVIO A DR
BOYD ROBERT L F PROF	BRECHER KENNETH PROF	BUNNER ALAN N DR
BURBIDGE GEOFFREY R PROF	BURROWS ADAM SETH	CAMERON ALASTAIR G W PROF
CASH WEBSTER C JR	CASSE MICHEL DR	CATURA RICHARD C DR
CAUGHLAN GEORGEANNE R	CAVALIERE ALFONSO G PROF	CHANDRASEKHAR S PROF
CHITRE SHASHIKUMAR M DR	CHUBB TALBOT A DR	CHUPP EDWARD L DR
COHEN JEFFREY M DR	COLLIN-SOUFFRIN SUZY DR	CONDON JAMES J DR
COWIE LENNOX LAUGHLAN DR	COWSIK RAMANATH	CRUISE ADRIAN MICHAEL DR
CULHANE LEONARD PROF	CURIR ANNA	DA COSTA JOSE MARQUES DR
DAUTCOURT G DR	DAVIDSEN ARTHUR FALNES DR	DAVIDSON WILLIAM PROF
DAVIS LEVERETT JR PROF	DAVIS MICHAEL M DR	DE FELICE FERNANDO DR
DE GRAAF T DR	DE YOUNG DAVID S DR	DEBRUNNER HERMANN DR
DENNIS BRIAN ROY DR	DEWITT BRYCE S DR	DICKE ROBERT H PROF
DISNEY MICHAEL J PROF	DOLAN JOSEPH F DR	DRAKE FRANK D PROF
DUTHIE JOSEPH G PROF	EDWARDS PAUL J DR	EICHLER DAVID DR
EILEK JEAN	EVANS W DOYLE	FABIAN ANDREW C DR
FANG LI-ZHI	FAZIO GIOVANNI G DR	FELTEN JAMES E DR
FENTON K B DR	FERRARI ATTILIO DR	FICHTEL CARL E DR
FIELD GEORGE B PROF	FISHER PHILIP C	FORMAN WILLIAM RICHARD DR
FOWLER WILLIAM A PROF	FRIEDMAN HERBERT DR	GAISSER THOMAS K

GALEOTTI PIERO PROF	GARMIRE GORDON P PROF	GINZBURG VITALY L PROF
GOLD THOMAS PROF	GOLDSMITH DONALD W. DR.	GONZALES-A WALTER D DR
GREISEN KENNETH I PROF	GREWING MICHAEL PROF	GREYBER HOWARD D DR
GRIFFITHS RICHARD E DR	GRINDLAY JONATHAN E DR	GUNN JAMES E PROF
GURSKY HERBERT DR	GUSEINOV O H PROF	HALL ANDREW NORMAN
HANG HENG-RONG	HARWIT MARTIN PROF	HAWKING STEPHEN W PROF
HAYAKAWA SATIO PROF	HEISE JOHN DR	HELFAND DAVID JOHN
HENRIKSEN RICHARD N DR	HENRY RICHARD C. PROF.	HOANG BINH DY DR
HOFFMAN JEFFREY ALAN DR	HOLLOWAY NIGEL J DR	HOYLE FRED SIR
HUANG KE-LIANG	ICHIMARU SETSUO DR	INOUE HAJIME DR
IPSER JAMES R PROF	ISRAEL WERNER PROF	ITO KENSAI A PROF
JACKSON J C DR	JAFFE WALTER JOSEPH DR	JELLEY JOHN V PHD
JOKIPII J R PROF	JONES FRANK CULVER DR	JONES THOMAS WALTER DR
JOSS PAUL CHRISTOPHER DR	KAFKA PETER	KAHN FRANZ D PROF
KATZ JONATHAN I	KELLERMANN KENNETH I DR	KELLOGG EDWIN M DR
KEMBHAVI AJIT K	KIRK JOHN DR	KOCH-MIRAMOND LYDIE DR
KOCHAROV GRANT E PROF	KONDO MASAOKI DR	KOZLOWSKI MACIEJ DR
KREISEL E PROF	KRISTIANSSON KRISTER PROF	KULSRUD RUSSELL M DR
KUNDT WOLFGANG PROF DR	KURT V G DR	LAMB DONALD QUINCY JR DR
LAMB FREDERICK K PROF	LAMB SUSAN ANN DR	LAMPTON MICHAEL
LASHER GORDON JEWETT DR	LATTIMER JAMES M DR	LEA SUSAN MAUREEN DR
LI QI-BIN	LI TIPEI	LI ZONG-WEI
LINSLEY JOHN	LIU JINYI	LIU RU-LIANG
LONGAIR M S PROF	LOVELACE RICHARD V E DR	LU TAN
LUEST REIMAR PROF	LUMINET JEAN-PIERRE	LYNDEN-BELL DONALD PROF
MA YU-QIAN	MACCACARO TOMMASO DR	MACCAGNI DARIO
MACCHETTO FERDINANDO DR	MARTIN INACIO MALMONGE DR	MASON KEITH OWEN
MATSUOKA MASARU DR	MAZUREK THADDEUS JOHN DR	MCBREEN BRIAN PHILIP DR
MCCRAY RICHARD DR	MELROSE DONALD B PROF	MESTEL LEON PROF
MESZAROS PETER DR	MEYER FRIEDRICH DR	MEYER JEAN-PAUL DR
MICHEL F CURTIS PROF	MILLER JOHN C DR	MIYAJI SHIGEKI DR
MIYAMOTO SIGENORI PROF	MORRISON PHILIP PROF	NEEMAN YUVAL PROF
NOVICK ROBERT	O'CONNELL ROBERT F PROF	O'SULLIVAN DENIS F
ODA MINORU PROF	OKOYE SAMUEL E PROF	OSTRIKER JEREMIAH P PROF
OZERNOY LEONID M PROF	PACHOLCZYK ANDRZEJ G PROF	PAGE CLIVE G DR
PALUMBO GIORGIO G C DR	PARKER EUGENE N	PARKINSON JOHN H DR
PAULINY TOTH IVAN K K DR	PENG QIU-HE	PEROLA G C DR
PETERSON BRUCE A DR	PETERSON LAURENCE E PROF	PETROSIAN VAHE PROF
PIDDINGTON JACK H RES FEL	PINKAU K PROF	PORTER NEIL A PROF
POUNDS KENNETH A PROF	PREUSS EUGEN DR	QUINTANA HERNAN DR
RADHAKRISHNAN V PROF	RAMADURAI SOURIRAJA DR	RAUBENHEIMER BAREND C
RAZDAN HIRALAL	REES MARTIN J PROF	REEVES HUBERT PROF
RENGARAJAN T N DR	ROSNER ROBERT	ROSSI BRUNO B PROF
SALVATI MARCO	SANDERS WILTON TURNER III	SARTORI LEO PROF
SASLAW WILLIAM C PROF	SAVEDOFF MALCOLM P PROF	SCARGLE JEFFREY D DR
SCHATTEN KENNETH H DR	SCHATZMAN EVRY PROF	SCHILIZZI RICHARD T DR
SCHWARTZ DANIEL A DR	SCIAMA DENNIS W DR	SCOTT JOHN S DR
SEIELSTAD GEORGE A	SETTI GIANCARLO PROF	SHAHAM JACOB PROF
SHAKURA NICHOLAJ I DR	SHAPIRO MAURICE M PROF	SHAVER PETER A DR
SHAVIV GIORA DR	SHIELDS GREGORY A DR	SHUKRE C S DR
SIGNORE MONIQUE DR	SILBERBERG REIN DR	SKILLING JOHN DR
SMITH BARHAM W DR	SMITH F GRAHAM PROF	SOFIA SABATINO PROF
SPADA GIANFRANCO DR	STAUBERT RUDIGER PROF DR	STEIGMAN GARY PROF
STEPANIAN A A DR	STOCKMAN HERVEY S JR DR	STRONG IAN B DR
STURROCK PETER A PROF	SWANK JEAN HEBB	TAKAHARA FUMIO DR
TAYLER ROGER J PROF	TERRELL NELSON JAMES JR	THORNE KIP S PROF
TOMIMATSU AKIRA DR	TRURAN JAMES W JR	TSURUTA SACHIKO DR

VAN RIPER KENNETH A DR	VIDAL NISSIM V DR	VOELK HEINRICH J PROF
WANG SHOU-GUAN	WANG ZHEN-RU	WEAVER THOMAS A DR
WEBSTER ADRIAN S DR	WEISHEIT JON C DR	WEISSKOPF MARTIN CH DR
WENTZEL DONAT G DR	WESTFOLD KEVIN C PROF	WHEELER JOHN A DR
WILL CLIFFORD M DR	WILSON JAMES R DR	WOLSTENCROFT RAMON D DR
WORRALL DIANA MARY	YANG HAI SHOU	YANG LAN-TIAN
YOU JUNHAN	ZEL'DOVICH YA B ACAD	ZHANG HE-QI
ZHANG JIA-LU	ZHANG ZHEN-JIU	ZOMBECK MARTIN V DR

MEMBERSHIP OF COMMISSIONS

COMMISSION No. 49

THE INTERPLANETARY PLASMA AND THE HELIOSPHERE

(LE PLASMA INTERPLANETAIRE ET L'HELIOSPHERE)

President : GRZEDZIELSKI STANISLAW PR

Vice-President(s) : BURLAGA LEONARD F DR

Organizing Committee: BUTI BIMLA PROF
 CUPERMAN SAMI PROF
 DOLGINOV ARKADY Z PROF DR
 FAHR HANS JOERG PROF DR
 KELLER HORST UWE DR
 PARESCE FRANCESCO DR
 ROXBURGH IAN W PROF
 SUESS STEVEN T DR

Members:

AHLUWALIA HARJIT SINGH DR	ANANTHAKRISHNAN S	ANDERSON KINSEY A PROF
ANTONUCCI ESTER DR	BARNES AARON DR	BARROW COLIN H DR
BARTH CHARLES A PROF	BERTAUX J L DR	BLACKWELL DONALD E PROF
BLUM PETER PROF	BOCHSLER PETER	BONNET ROGER M DR
BRANDT JOHN C DR	CHAMBERLAIN JOSEPH W PROF	CHEN BIAO
DE JAGER CORNELIS PROF	DELACHE PHILIPPE J DR	DRYER MURRAY DR
DURNEY BERNARD DR	DYSON JOHN E DR	ERGMA E V DR
ESHLEMAN VON R PROF	EVIATAR AHARON PROF	FEYNMAN JOAN DR
FIELD GEORGE B PROF	GOSLING JOHN T DR	HABBAL SHADIA RIFAI
HARVEY CHRISTOPHER C DR	HEYVAERTS JEAN DR	HOLLWEG JOSEPH V
HOLZER THOMAS EDWARD DR	IONSON JAMES ALBERT	JOKIPII J R PROF
KAKINUMA TAKAKIYO T PROF	LAFON JEAN-PIERRE J DR	LEVY EUGENE H DR
LI XIAO-QING	LOTOVA N A DR	LUEST REIMAR PROF
MACQUEEN ROBERT M DR	MANGENEY ANDRE DR	MASON GLENN M
MATSUURA OSCAR T DR	MAVROMICHALAKI HELEN DR	MENDIS DEVAMITTA ASOKA DR
MESTEL LEON PROF	MICHEL F CURTIS PROF	MOUSSAS XENOPHON PH D
NAKAGAWA YOSHINARI DR	PARKER EUGENE N	PERKINS FRANCIS W DR
PFLUG KLAUS DR	PNEUMAN GERALD W	RAADU MICHAEL A DR
READHEAD ANTHONY C S DR	REAY NEWRICK K DR	RICKETT BARNABY JAMES DR
RIDDLE ANTHONY C DR	RIPKEN HARTMUT W DR	ROACH FRANKLIN E
ROSNER ROBERT	RUSSELL CHRISTOPHER T	SARRIS EMMANUEL T PH D
SASTRI HANUMATH J DR	SAWYER CONSTANCE B DR	SCHATZMAN EVRY PROF
SCHERB FRANK PROF	SCHINDLER KARL PROF DR	SCHMIDT H U DR
SCHREIBER ROMAN	SCHWARTZ STEVEN JAY	SETTI GIANCARLO PROF
SEVERNYJ A B PROF DR	SHAWHAN STANLEY D DR	SHEA MARGARET A DR
SMITH DEAN F DR	SONETT CHARLES P PROF	STOKER PIETER H
STONE R G DR	STURROCK PETER A PROF	TRITAKIS BASIL P DR
VAINSTEIN L A DR	VAN ALLEN JAMES A PROF	VERHEEST FRANK ASSOC PROF
VINOD S KRISHAN MRS DR	WALLIS MAX K DR	WATANABE TAKASHI DR
WELLER CHARLES S DR	WILD JOHN PAUL DR	WU SHI TSAN DR

COMMISSION No. 50

PROTECTION OF EXISTING AND POTENTIAL OBSERVATORY SITES
 (PROTECTION DES SITES D'OBSERVATOIRES EXISTANTS ET POTENTIELS)

President : VAN DEN BERGH SIDNEY PROF

Vice-President(s) : CRAWFORD DAVID L DR

Organizing Committee: BLANCO CARLO DR
 BLANCO VICTOR M DR
 COYNE GEORGE V DR
 JIANG SHI-YANG
 KOZAI YOSHIHIDE PROF
 MURDIN PAUL G DR
 PANKONIN VERNON LEE DR
 SHCHEGLOV P V DR
 TORRES CARLOS ALBERTO DR
 TREMKO JOZEF DR
 WALKER MERLE F PROF

Members:

ALY M KHAIRY PROF	ARDEBERG ARNE L PROF	ARIAS DE GREIFF J PROF
BARRETO LUIZ MUNIZ PROF	BENSANMAR SLIMANE DR	BHATTACHARYYA J C PROF
BURSTEIN DAVID	CAYREL ROGER DR	DAVIS JOHN DR
DOMMANGET J DR	DUNKELMAN LAWRENCE	EDWARDS PAUL J DR
GALAN MAXIMINO J	GOEBEL ERNST DR	HELMER LEIF
HIDAJAT BAMBANG PROF DR	HOAG ARTHUR A DR	HUANG YINLIANG
KUBICELA ALEKSANDAR DR	LEIBOWITZ ELIA M DR	MAHRA H S DR
MARKKANEN TAPIO DR	MARX SIEGFRIED DR	MATTIG W PROF DR
MAVRIDIS L N PROF	MCCARTHY MARTIN F DR	MENZIES JOHN W DR
NELSON BURT DR	OSORIO JOSE J S P PROF	SANCHEZ FRANCISCO PROF
SCHILIZZI RICHARD T DR	SMITH F GRAHAM PROF	TORRES CARLOS DR
WAYMAN PATRICK A PROF	WOOLF NEVILLE J	WOSZCZYK ANDRZEJ PROF
WU MING-CHAN	ZHANG BAI-RONG	

COMMISSION No. 51

BIOASTRONOMY : SEARCH FOR EXTRATERRESTRIAL LIFE
 (BIOASTRONOMIE : RECHERCHE DE LA VIE DANS L'UNIVERS)

President : DRAKE FRANK D PROF

Vice-President(s) : KARDASHEV N S DR
 MARX GYORGY PROF.

Organizing Committee: BROWN RONALD D PROF
 CONNES PIERRE DR
 GATEWOOD GEORGE DIRECTOR
 GOLDBERG LEO PROF
 JUGAKU JUN DR
 PACINI FRANCO PROF
 REES MARTIN J PROF
 TROITSKY V S PROF DR

Members:

AL-NAIMY HAMID M K DR	AL-SABTI ABDUL ADIM DR	ALMAR IVAN PROF
AMBARTSUMIAN V A PROF DR	ANDO HIROYASU DR	BAKOS GUSTAV A PROF
BALAZS BELA A DR	BALL JOHN A DR	BANIA THOMAS MICHAEL
BARBIERI CESARE PROF	BASU BAIDYANATH PROF	BASU DIPAK DR
BAUM WILLIAM A DR	BEAUDET GILLES DR	BECKMAN JOHN E PROF
BECKWITH STEVEN V W	BEEBE RETA FAYE DR	BENEST DANIEL DR
BERENDZEN RICHARD DR	BERNACCA P L PROF	BILLINGHAM JOHN
BIRAUD FRANCOIS DR	BLESS ROBERT C PROF	BOWYER C STUART PROF
BOYCE PETER B DR	BRACEWELL RONALD N PROF	BRODERICK JOHN DR
BURKE BERNARD F DR	CAMPBELL BRUCE DR	CAMPUSANO LUIS E
CARLSON JOHN B	CARR THOMAS D PROF	CHAISSON ERIC J PROF
CHOU KYONG CHOL PROF	CLARK THOMAS A DR	CURRIE DOUGLAS G DR
DAIGNE GERARD G	DARIUS JON DR	DAVIS MICHAEL M DR
DAWE JOHN ALAN DR	DE GRAAFF W DR	DE JAGER CORNELIS PROF
DE JONGE J K DR	DE LOORE CAMIEL PROF	DE VINCENZI DONALD DR
DELSEMME ARMAND H PROF DR	DICK STEVEN J	DIXON ROBERT S DR
DORSCHNER JOHANN DR	DOWNES GEORGE S DR	DYSON F J DR
ECCLES MICHAEL J DR	ELLIS GEORGE F R PROF	EPSTEIN EUGENE E DR
EVANS NEAL J II ASS PROF	FAZIO GIOVANNI G DR	FEJES ISTVAN DR
FELDMAN PAUL A DR	FIELD GEORGE B PROF	FIRNEIS FRIEDRICH J DR
FIRNEIS MARIA G DR	FISHER PHILIP C	FRACASSINI MASSIMO PROF
FREDRICK LAURENCE W PROF	FUJIMOTO MASA-KATSU DR	FUJIMOTO MITSUAKI DR
GEHRELS TOM PROF	GHIGO FRANCIS D DR	GINZBURG VITALY L PROF
GIOVANNELLI FRANCO DR	GODOLI GIOVANNI PROF	GOLDSMITH DONALD W. DR.
GOTT III J RICHARD	GOUDIS CHRISTOS D PROF	GREENBERG J MAYO DR
GREENSTEIN J L PROF	GREGORY PHILIP C DR	GULKIS SAMUEL DR
GUNN JAMES E PROF	GURM HARDEV S PROF	HADDOCK FRED T DR
HAISCH BERNHARD MICHAEL	HAJDUK ANTON DR	HARRINGTON ROBERT S DR
HARRISON EDWARD R PROF	HART MICHAEL H DR	HECK ANDRE DR
HEESCHEN DAVID S DR	HEIDMANN JEAN DR	HERCZEG TIBOR J PROF DR
HERSHEY JOHN L DR	HEUDIER JEAN-LOUIS DR	HIRABAYASHI HISASHI DR

HOANG BINH DY DR	HOLLIS JAN MICHAEL DR	HOROWITZ PAUL PROF
HUNTEN DONALD M PROF	HUNTER JAMES H PROF	HYSOM EDMUND J
IDLIS G M DR	IRVINE WILLIAM M PROF	ISRAEL FRANK P DR
JASTROW ROBERT	JEFFERS STANLEY DR	JENNISON ROGER C PROF
JONES ERIC M	KAFATOS MINAS DR	KAFKA PETER
KAUFMANN PIERRE PROF	KELLER HANS ULRICH DR	KELLERMANN KENNETH I DR
KLEIN MICHAEL J DR	KNOWLES STEPHEN H DR	KOCER D DR
KOCH ROBERT H DR	KOEBERL CHRISTIAN DR	KOTSAKIS DEMETRIUS PROF
KRAUS JOHN D PROF	KSANFOMALITI L V DR	KUIPER THOMAS B H DR
KUZMIN ARKADII D PROF DR	LAQUES PIERRE DR	LILLEY EDWARD A PROF
LIPPINCOTT SARAH LEE DR	LODEN LARS OLOF PROF	LOVELL SIR BERNARD PROF
MAFFEI PAOLO PROF	MARGRAVE THOMAS EWING JR	MAROV MIKHAIL YA PROF
MARTIN ANTHONY R DR	MATSAKIS DEMETRIOS N	MATSUDA TAKUYA PROF
MAVRIDIS L N PROF	MCALISTER HAROLD A DR	MCDONOUGH THOMAS R DR
MENDOZA V EUGENIO E DR	MILET BERNARD L DR	MINN YOUNG KEY DR
MIRABEL IGOR FELIX DR	MORIMOTO MASAKI DR	MOROZ V I PROF DR
MORRIS MARK ROOT DR	MORRISON PHILIP PROF	MOUTSOULAS MICHAEL PROF
MULLER RICHARD A	NAKAGAWA YOSHINARI DR	NIARCHOS PANAYIOTIS PH D
ODA MINORU PROF	OLIVER BERNARD M PROF	OLLONGREN A PROF DR
OSTRIKER JEREMIAH P PROF	OWEN TOBIAS C PROF	PAGE THORNTON L DR
PAPAGIANNIS MICHAEL D PRO	PARIJSKIJ YU N DR	PEREK LUBOS DR
PESEK RUDOLPH PROF	POLLACK JAMES B DR	PONNAMPERUMA CYRIL PROF
PONSONBY JOHN E B DR	PROCHAZKA FRANZ V DR	PROVERBIO EDOARDO PROF
PURCELL EDWARD M PROF	QUINTANA HERNAN DR	QUINTANA JOSE M DR
RAJAMOHAN R DR	REAY NEWRICK K DR	RIIHIMAA JORMA J DR
ROBINSON LEIF J	ROOD ROBERT T DR	ROWAN-ROBINSON MICHAEL DR
RUBIN ROBERT HOWARD	RUSSELL JANE L DR	SAGAN CARL DR
SAKURAI KUNITOMO PROF	SANCISI RENZO DR	SANG GAK LEE
SCARGLE JEFFREY D DR	SCHATZMAN EVRY PROF	SCHILD RUDOLPH E DR
SCHOBER HANS J DR	SEEGER CHARLES LOUIS III	SEIELSTAD GEORGE A
SEIRADAKIS JOHN HUGH DR	SHAPIRO MAURICE M PROF	SHEN CHUN-SHAN
SHIMIZU MIKIO PROF	SHOSTAK G SETH DR	SHUTER WILLIAM L H DR
SINGH H P	SIVARAM C DR	SLYSH V I DR
SMITH F GRAHAM PROF	SMITH HARLAN J PROF	SMITH HOWARD ALAN
SNYDER LEWIS E	SOFUE YOSHIAKI PROF	STALIO ROBERTO DR
STEIN JOHN WILLIAM	STRAIZYS V PROF DR	STURROCK PETER A PROF
SULLIVAN WOODRUFF T III	TAKADA-HIDAI MASAHIDE DR	TARTER JILL C DR
TAVAKOL REZA	TEDESCO EDWARD F	TEJFEL VIKTOR G DR
TERZIAN YERVANT PROF	THADDEUS PATRICK PROF	TOLBERT CHARLES R DR
TOVMASSIAN H M DR	TOWNES CHARLES HARD DR	TRIMBLE VIRGINIA L DR
TURNER EDWIN L DR	VALBOUSQUET ARMAND DR	VALLEE JACQUES P DR
VAN DE KAMP PETER	VAN FLANDERN THOMAS DR	VARSHALOVICH DIMITRIJ PR
VAZQUEZ MANUEL DR	VENUGOPAL V R DR	VERSCHUUR GERRIT L PROF
VOGT NIKOLAUS DR	VON HOERNER SEBASTIAN DR	WALLIS MAX K DR
WATSON FREDERICK GARNETT	WELCH WILLIAM J PROF	WETHERILL GEORGE W
WIELEBINSKI RICHARD PROF	WILLIAMS IWAN P DR	WILLSON ROBERT FREDERICK
WOLSTENCROFT RAMON D DR	ZUCKERMAN BEN M DR	

WORKING GROUP FOR PLANETARY SYSTEM NOMENCLATURE
(GROUPE DE TRAVAIL POUR LA NOMENCLATURE DU SYSTEME PLANETAIRE)

President : H. Masursky

Members :

K. Aksnes	G.E. Hunt	M. Ya. Marov	P.M. Millman
D. Morrison	T.C. Owen	V.V. Shevchenko	B.A. Smith
V.G. Tejfel			

Task Groups :

1) Lunar Nomenclature :

V.V. Shevchenko (Chairman)			
A. Dollfus	F. El-Baz	H. Masursky	P.M. Millman
S.K. Runcorn	E.A. Whitaker		

2) Mercury Nomenclature :

D. Morrison (Chairman)			
D.P. Campbell	M.E. Davies	A. Dollfus	N.P. Erpylev
J.E. Guest			

3) Venus Nomenclature :

M. Ya. Marov (Chairman)			
A.T. Basilevsky	D.B. Campbell	R.M. Goldstein	R.F. Jurgens
H. Masursky	G.H. Pettengill	Y.F. Tjuflin	

4) Mars Nomenclature :

B.A. Smith (Chairman)			
A. Dollfus	M. Ya. Marov	Ya. Martynov	H. Masursky
S. Miyamoto	C. Sagan		

5) Outer Solar System Momenclature

T.C. Owen (Chairman)			
K. Aksnes	A.T. Basilevsky	R. Beebe	M.S. Bobrov
A. Brahic	M.E. Davies	N.P. Erpylev	H. Masursky
B.A. Smith	V.G. Tejfel		

6) Surface on Asteroid and Comets

D. Morrison (Chairman pro tempore)			
J. Veverka	A. Brahic	M. Fulchignoni	T. Gombosi
L. Ksantfomaliti	Y. Yatskiv	Y.C. Chang	S. Isobe