

MRS Bulletin

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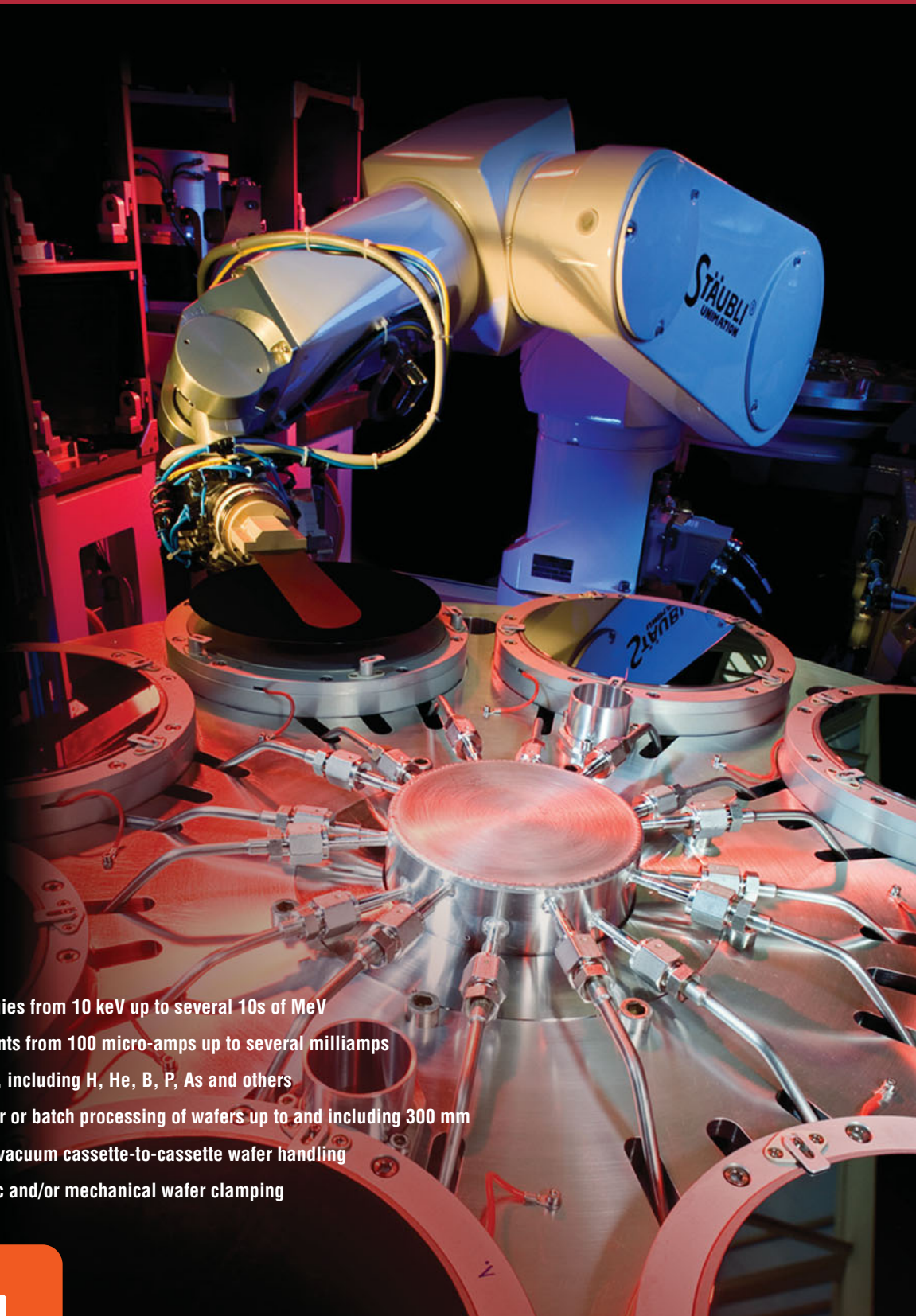
Organic spintronics

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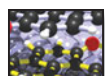
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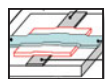
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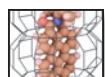
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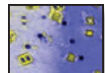
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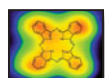
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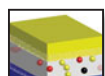
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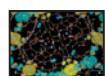
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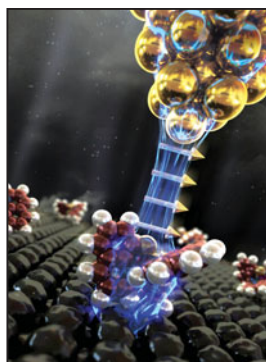
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ON THE COVER

Organic spintronics. Organic materials represent a new and unique platform for exploiting the spin of the electron that can lead to organic spintronics. This issue of *MRS Bulletin* introduces the possibilities for spin functionalities that are encompassed in molecular materials. Spin-dependent properties of molecular materials can be controlled and investigated in many different ways,

as discussed in the articles in this issue. The image on the cover shows one example: spin-polarized scanning tunneling microscopy (STM) on a single molecule. Several molecules are bonded to a surface, where spin-split states are probed by polarized current from the STM tip. See the technical theme that begins on page 578.



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The Society's interdisciplinary approach differs from that of single-discipline professional societies because it promotes information exchange across many scientific and technical fields touching materials development. MRS conducts three major international annual meetings encompassing approximately 125 topical symposia, and also sponsors numerous single-topic scientific meetings. The Society recognizes professional and technical excellence and fosters technical interaction through University Chapters. In the international arena, MRS implements bilateral projects with partner organizations to benefit the worldwide materials community. The Materials Research Society Foundation helps the Society advance its mission by supporting various projects and initiatives.

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