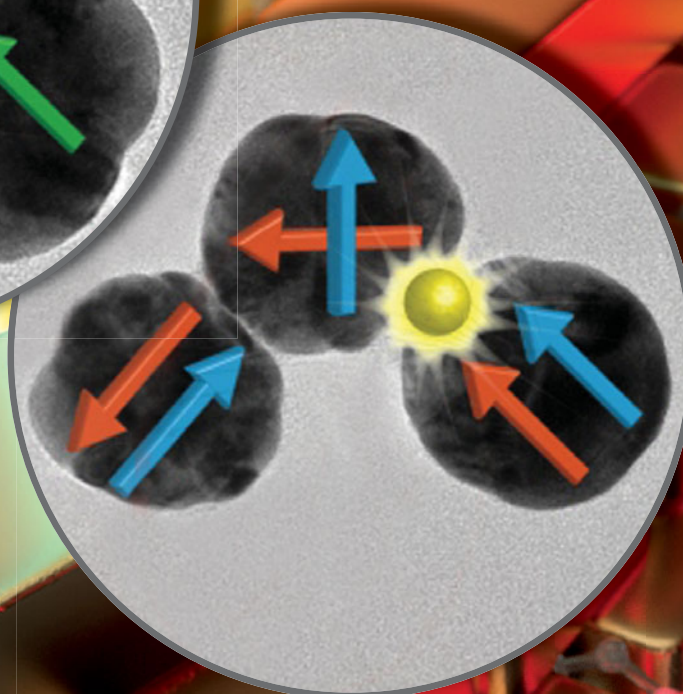
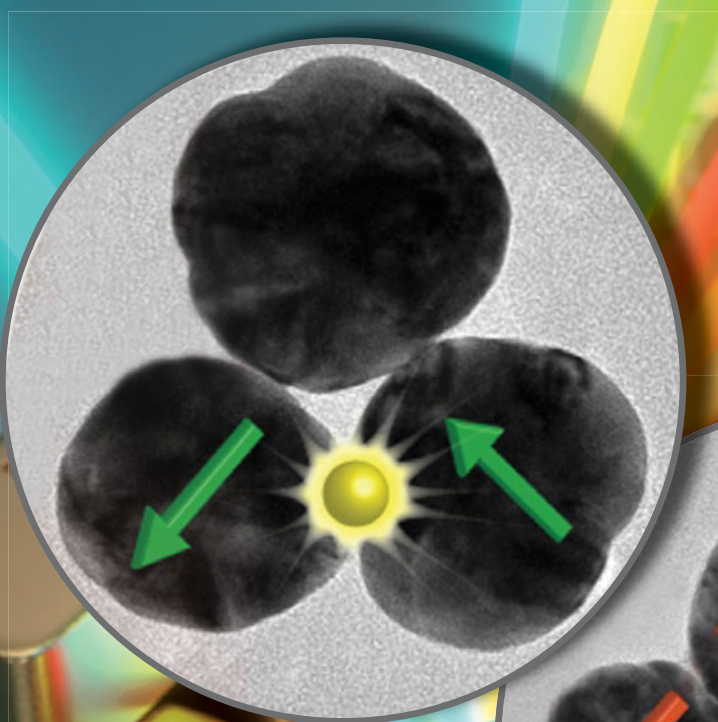


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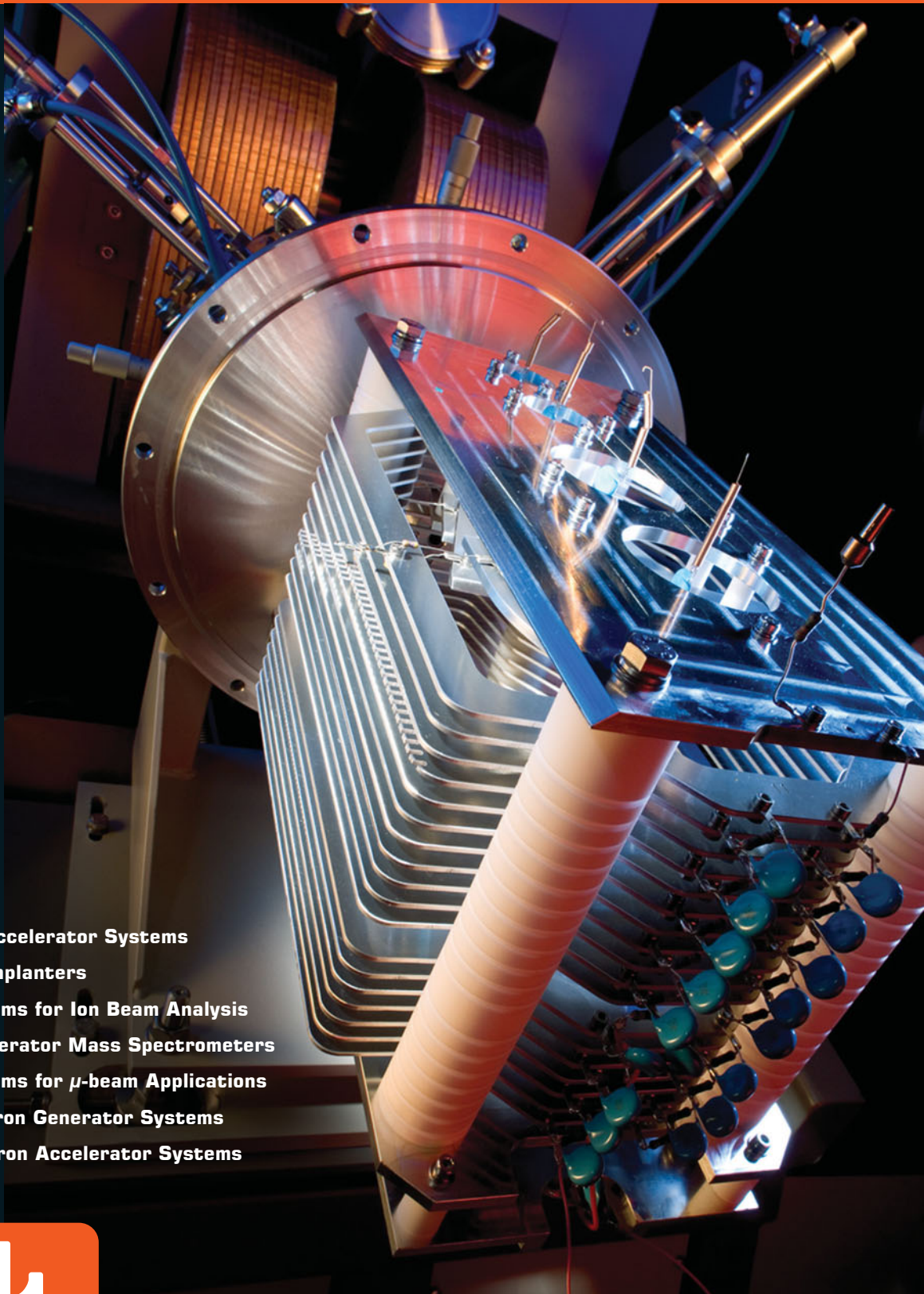
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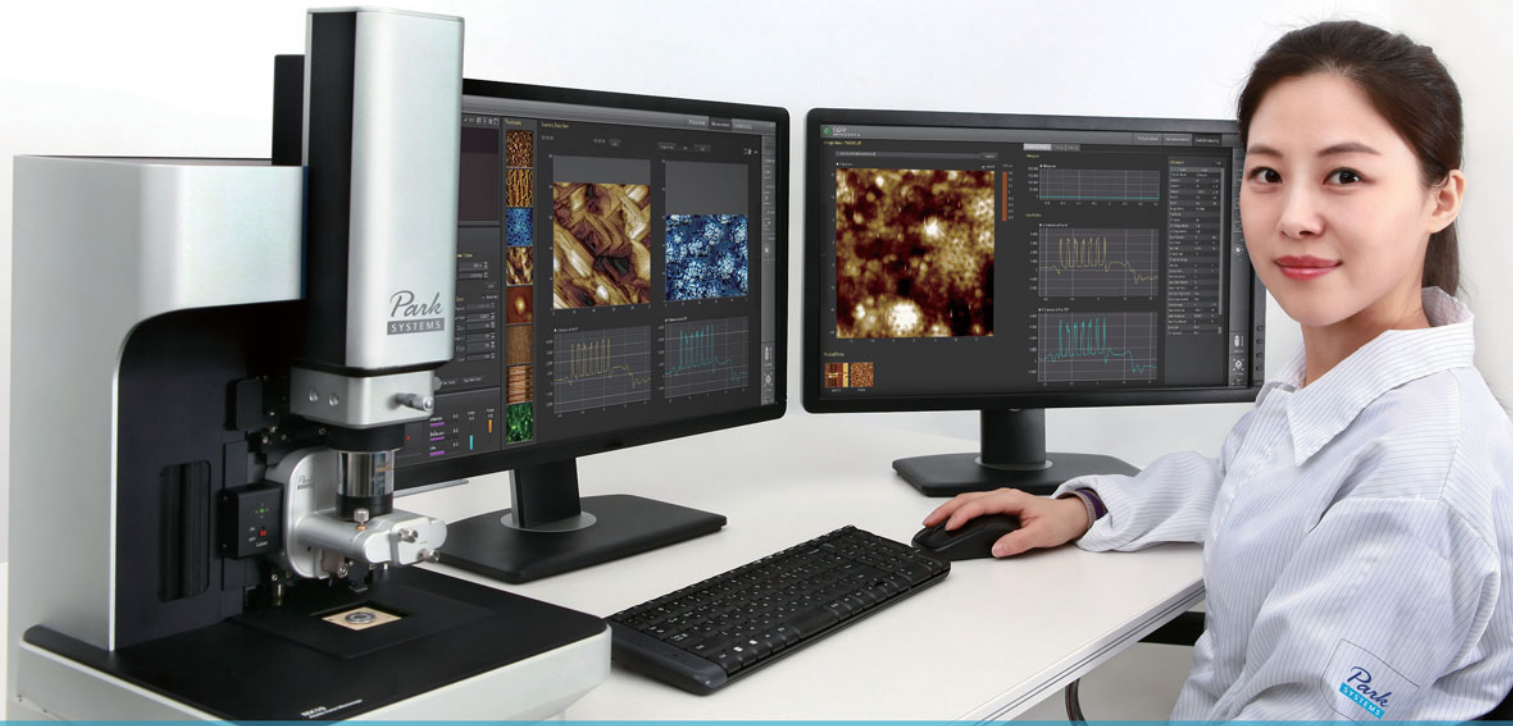
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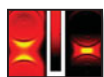
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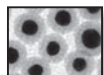


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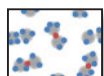
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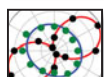
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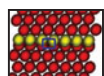


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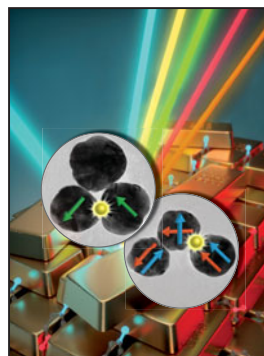
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### ON THE COVER

**Surface-enhanced Raman spectroscopy: Substrates and materials.** This issue of *MRS Bulletin* highlights key field-shaping developments in surface-enhanced Raman spectroscopy (SERS) from a materials perspective. SERS is a highly sensitive vibrational spectroscopy that allows for the detection of analytes at very low concentrations. The cover shows a representation of SERS

indicating molecules tucked in among gold "nanobricks." The foreground shows transmission electron microscope images of nanoparticle clusters that were studied optically for single molecule spectroscopy. The yellow particle represents a single molecule SERS reporter occupying the interparticle gap. The arrows drawn on the nanoparticles represent excited plasmon normal modes of the clusters. The background image is courtesy of Peter Allen. See the technical theme that begins on page 607.

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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 MRS Foundation helps the Society advance its mission by supporting various projects and initiatives.

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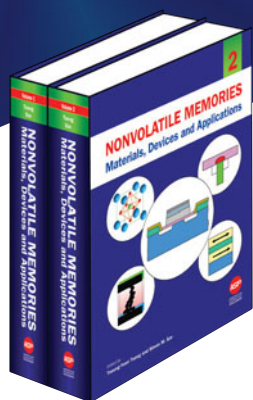


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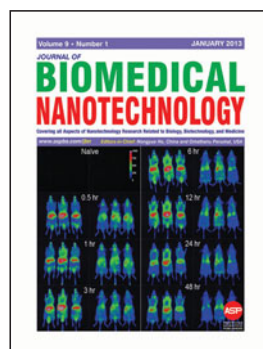
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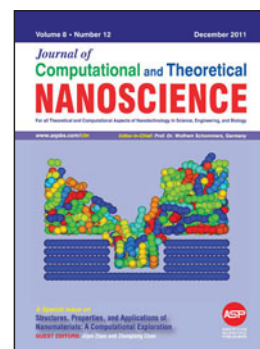
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