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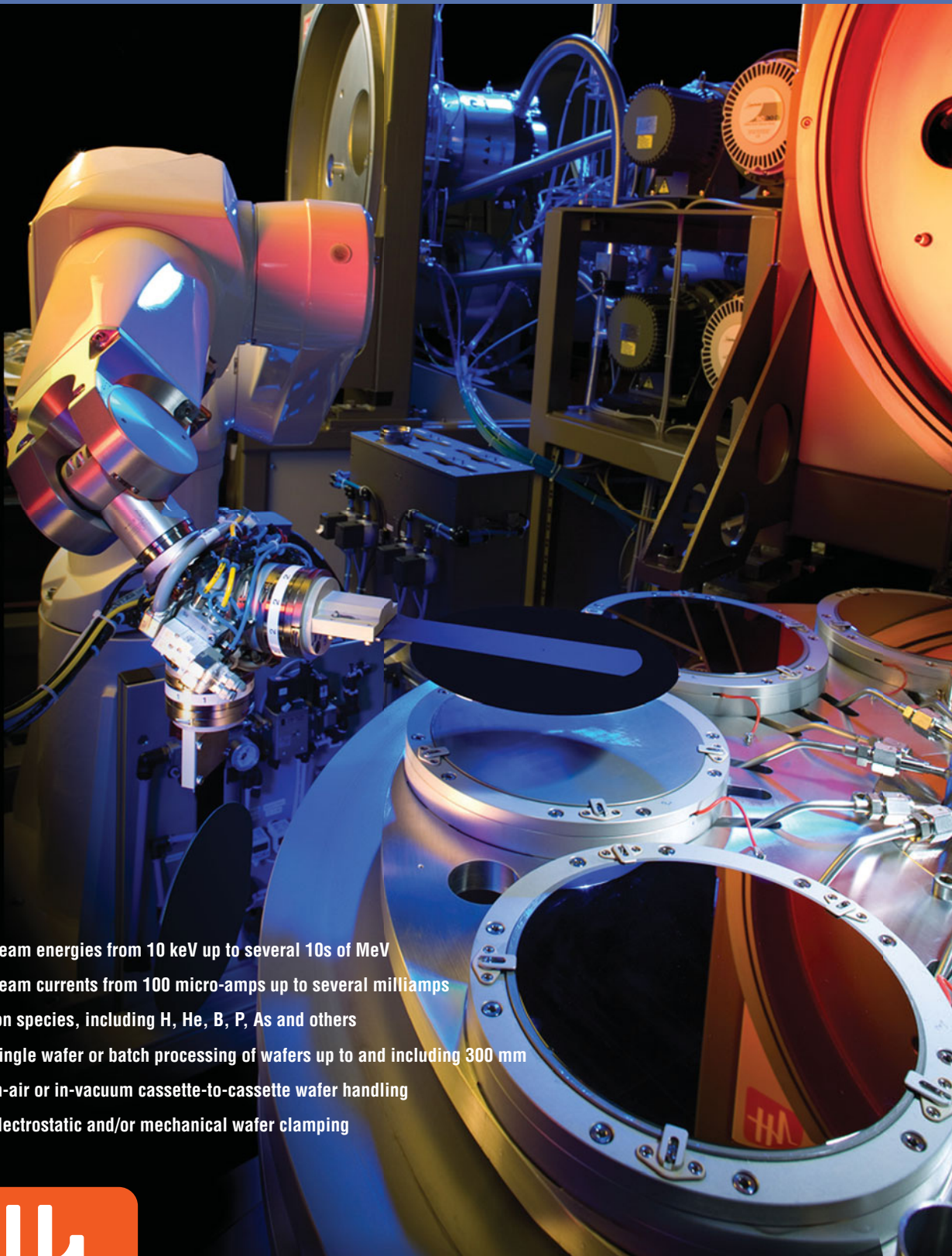
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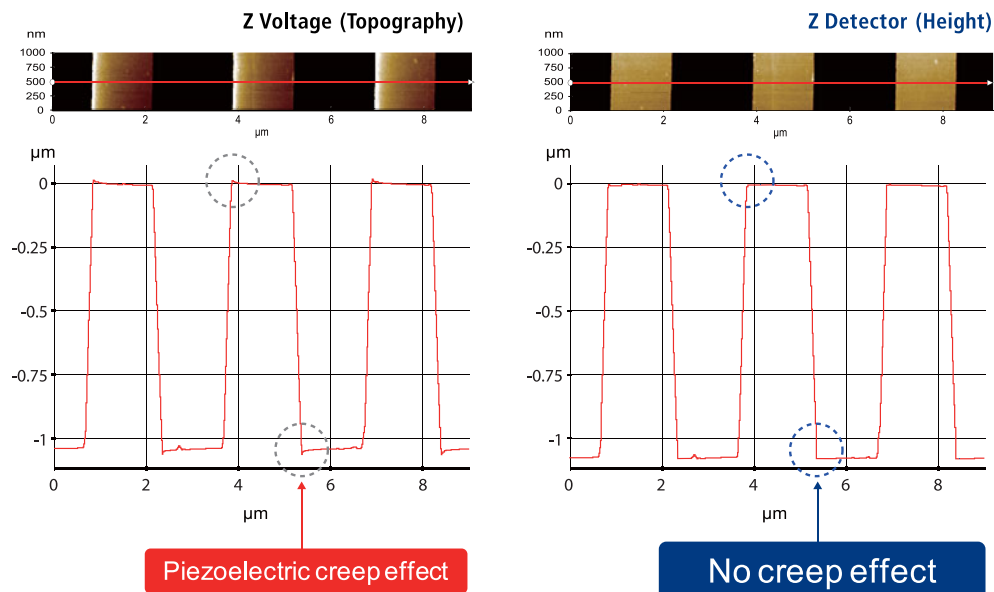
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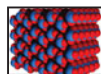
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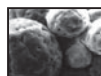
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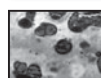


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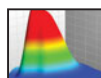
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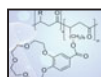
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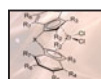
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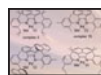
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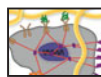


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ON THE COVER

Ziegler-Natta catalysis: 50 years after the Nobel Prize. This issue of *MRS Bulletin* reviews the state of the art, developments, and challenges associated with Ziegler-Natta catalysis, as well as topics that are representative of contemporary Ziegler-Natta catalysis, including polyketone functionalization, cyclic olefin polymerization, and polar olefin polymerization. The two

photographs show the polymerization setup in the Ziegler laboratory at the Max-Planck-Institut für Kohlenforschung for the first atmospheric pressure polymerization of ethylene, and a modern Borstar polypropylene production plant with a capacity of 300,000 t/year. Photos courtesy of the Max-Planck-Institut für Kohlenforschung and Borealis, respectively. See the technical theme that begins on page 213.

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The Society's interdisciplinary approach differs from that of single-discipline professional societies because it promotes information exchange across the many technical fields touching materials development. MRS sponsors 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 in local geographic regions through Sections and University Chapters.

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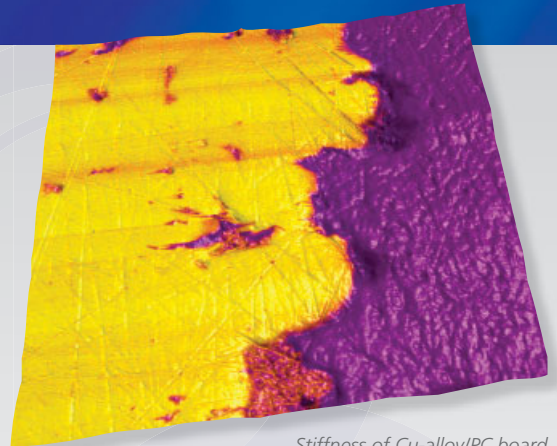
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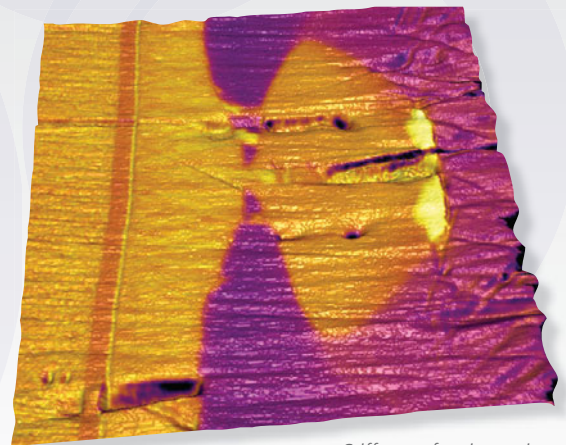
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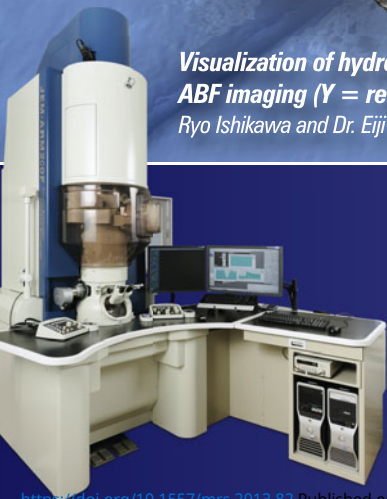
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