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MRS Bulletin

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Lithium batteries and beyond

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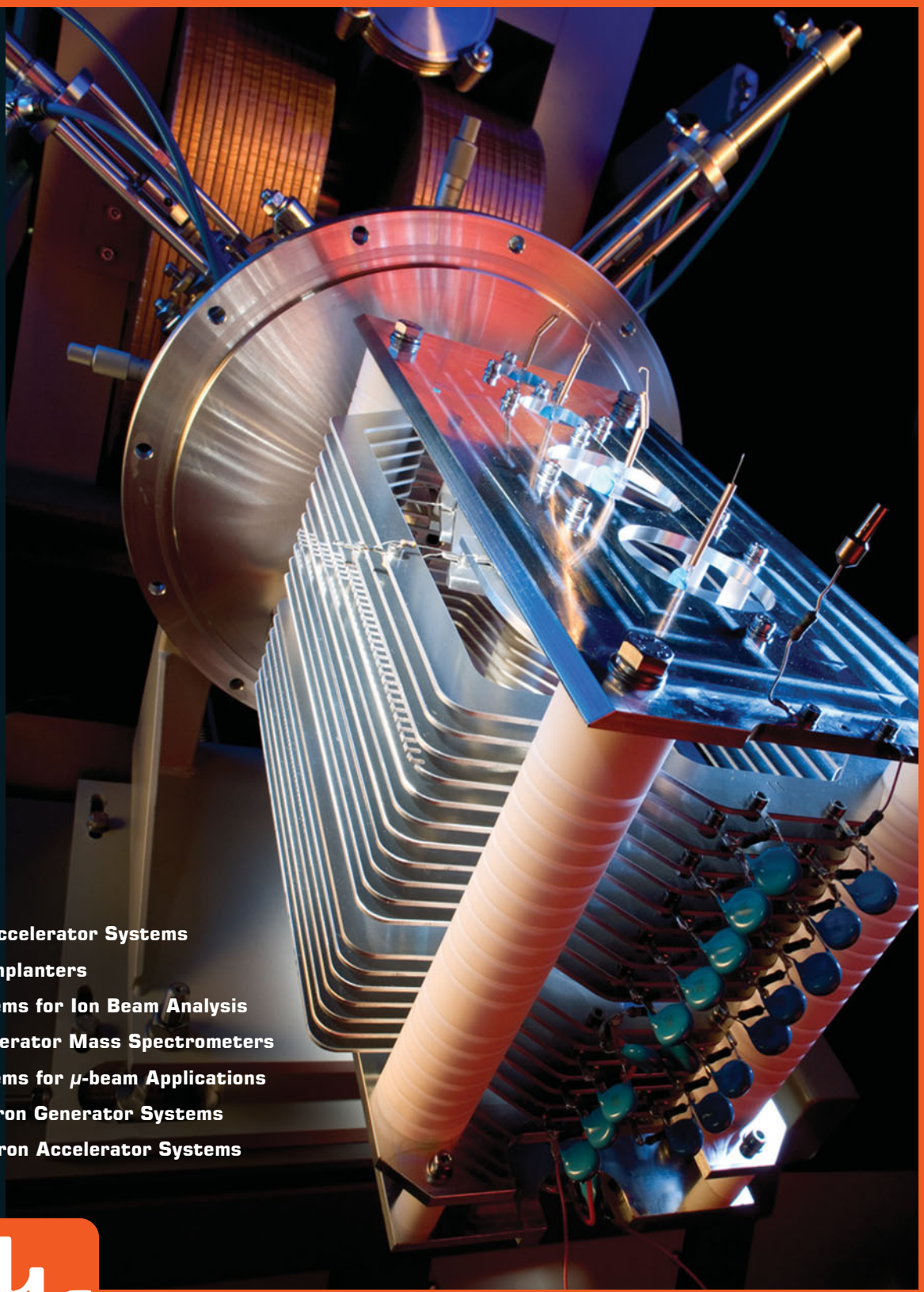

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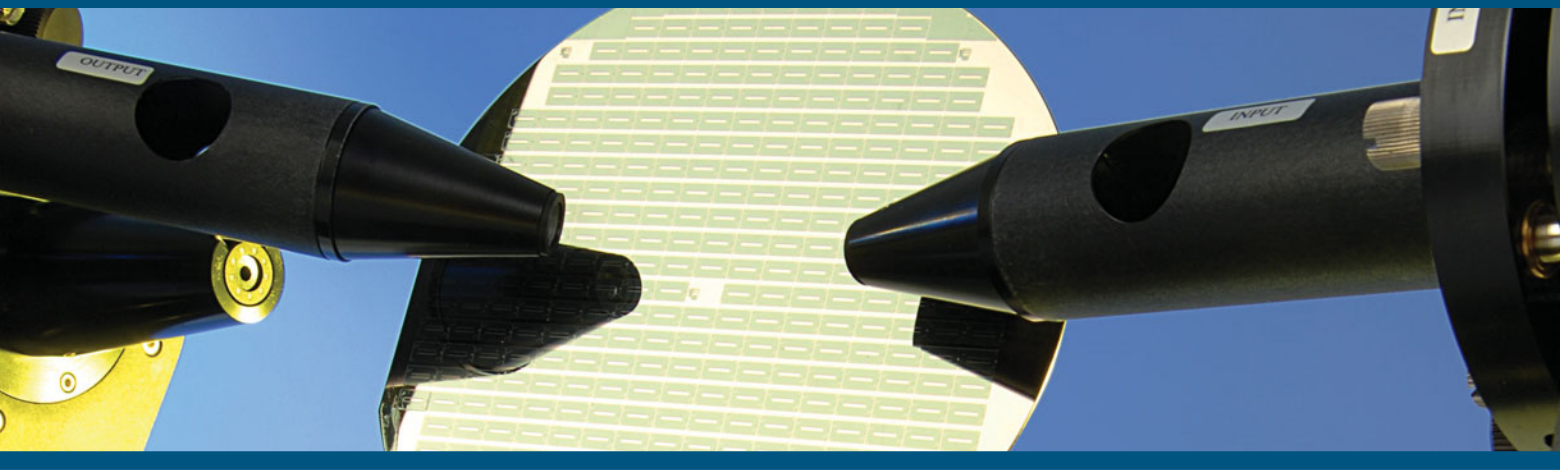

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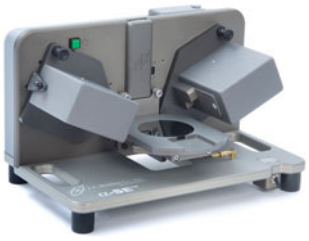

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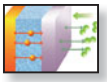
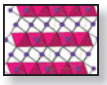
CONTENTS

LITHIUM BATTERIES AND BEYOND

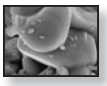


395 **Rechargeable lithium batteries and beyond: Progress, challenges, and future directions**
Khalil Amine, Ryoji Kanno, and Yonhua Tzeng, Guest Editors

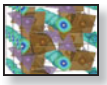
402 **Meet Our Authors**



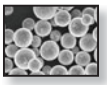
407 **Next-generation lithium-ion batteries: The promise of near-term advancements**
Jason R. Croy, Ali Abouimrane, and Zhengcheng Zhang



416 **Layered oxides as positive electrode materials for Na-ion batteries**
Kei Kubota, Naoaki Yabuuchi, Hiroaki Yoshida, Mouad Dahbi, and Shinichi Komaba

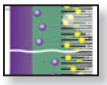


423 **Iron-based materials strategies**
Atsuo Yamada

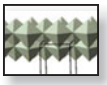


429 **Stabilizing the surface of lithium metal**
J.T. Vaughey, Gao Liu, and Ji-Guang Zhang

436 **Lithium-sulfur batteries**
Linda F. Nazar, Marine Cuisinier, and Quan Pang

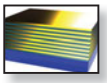


443 **Materials challenges in rechargeable lithium-air batteries**
D.G. Kwabi, N. Ortiz-Vitoriano, S.A. Freunberger, Y. Chen, N. Imanishi, P.G. Bruce, and Y. Shao-Horn

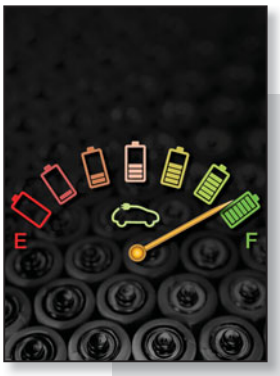


453 **The challenge of developing rechargeable magnesium batteries**
Ivgeni Shterenberg, Michael Salama, Yossi Gofer, Elena Levi, and Doron Aurbach

TECHNICAL FEATURE



461 **Empowering plasmonics and metamaterials technology with new material platforms**
2013 Outstanding Young Investigator Award
Alexandra Boltasseva



ON THE COVER

Lithium batteries and beyond. Li batteries have become key for current and future electric vehicles, mobile devices, and grid storage. The articles in this issue of *MRS Bulletin* address recent progress in systems beyond Li-ion-based ones, which represent possible next-generation batteries for electric vehicles, and new multifunctional materials that can be tailored to provide future electrical energy storage applications. The articles include assessments of battery performance involving complex, interrelated physical, and chemical processes between electrode materials and electrolytes. The cover shows a representation of an electric car fuel gauge with batteries at various charges. See the technical theme that begins on page **395**.

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DEPARTMENTS

NEWS & ANALYSIS

389 **Materials News**

- **Round-wire cuprate superconductors generate 33 Tesla magnetic fields**
  Tim Palucka
- **Skin cancer probe applied to in-depth artwork investigation**
  Dirk Wouters
- **Bionic plants point toward leafy sensors and power sources**
  Meg Marquardt
- **Stable bimetallic interfaces achieved in extreme plastic deformation**
  Jean L. Njoroge

393 **Science Policy**

- **EU Graphene Flagship project aims for technological breakthroughs**
  Angela Saini
- **USA proposes 2015 R&D budget of $135.4 billion**

FEATURES

471 **Posterminaries**
Musing about units
Steve Moss

469 CAREER CENTRAL

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High Voltage Engineering..... Inside front cover
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J.A. Woollam Company, Inc. 385

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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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