

The background of the entire page is a high-magnification, false-color scanning electron micrograph (SEM) of a ceramic material. It shows several large, roughly spherical grains with a textured, fibrous surface. The grains are primarily blue and purple, with some lighter, yellowish-white highlights where they are more reflective or where the lighting is brighter. The grains are arranged in a somewhat disordered, overlapping manner, typical of a polycrystalline ceramic structure.

The American Ceramic Society Basic Science Division

GET INVOLVED TODAY:

Contact Division Chair **Wayne D. Kaplan** at kaplan@tx.technion.ac.il

To become an ACerS member go to www.ceramics.org/membership to sign up – be sure to select BSD as your free division.

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The American Ceramic Society Basic Science Division

Who We Are

The Basic Science Division of The American Ceramic Society is dedicated to the development of the ceramic science underlying present and future applications of ceramics. The Basic Science Division fosters the scientific and technological foundations of ceramic science, identifying new areas in, and fields of, ceramic science critical to current and future members.

Who Should Get Involved

Those working in:

- Research and government labs
- Academia
- Renewable/alternative energy
- Multi-functional materials
- Nanotechnology
- Emerging ceramic materials application

Highlights of ACerS Member Benefits

- Free, unlimited online access to *Journal of the American Ceramic Society*, *International Journal of Applied Ceramic Technology*, and *International Journal of Applied Glass Science*
- Subscription to the membership magazine, *ACerS Bulletin*
- Free, online access to the member directory (find others who work in your area)
- Free copy of *ceramicSOURCE* (ACerS Buyers Guide) and online access, including free listings

- Member discounts on books, meetings, products and services
- Free membership in the Basic Science Division

Basic Science Division Benefits

- Eligibility for Division awards, such as the Graduate Excellence in Materials Science (GEMS) Awards, the Roland B. Snow Award: Best of Show of the Ceramographic Contest, and the Robert B. Sosman Award and Lecture
- Opportunities to organize symposia and volunteer at meetings
- Opportunities for Division leadership positions
- Travel grant opportunities
- Collaborate on projects and get published in Society publications
- Connect with others for technical collaboration and funding opportunities, talk to customers, or find vendors quickly and easily
- Network with distinguished members at division events

Upcoming BSD-associated Meetings

- Materials Challenges in Alternative and Renewable Energy 2014
- IMAPS/ACerS 10th International Conference and Exhibition on Ceramic Interconnect and Ceramic Microsystems Technologies (CICMT 2014)
- 3rd International Conference on Electrospinning – Electrospin 2014

- Materials Science and Technology, MS&T'14
- Electronic Materials & Applications 2015

Special Opportunities for Students and Young Professionals

- Volunteer opportunities to organize, speak/present at meetings
- Become published in Society publications
- Qualify for scholarships or travel grants
- Get involved in the Division from the ground up holding leadership positions early in your career
- Compete for best oral or poster awards by presenting at BSD supported conferences
- Network with leaders in the field for career advancement
- Become part of the President's Council of Student Advisors or the Young Professionals Network



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