

CALL FOR PAPERS!

Abstract deadline: March 20, 2017

November is San Diego's sunniest month with . . .



average high temperature in the upper 70's!



We look forward to welcoming you to Sintering in San Diego.

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INTERNATIONAL CONFERENCE ON **SINTERING 2017**

Latest Advances in Science and Technology of Sintering and Microstructure Evolution

November 12-16, 2017



The American
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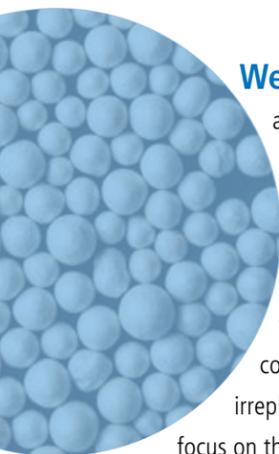
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INTERNATIONAL CONFERENCE ON SINTERING 2017

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Welcome to Sintering 2017 – an international conference and a world-wide forum on sintering science and technology. The conference will address the latest developments in the sintering and microstructural evolution processes for the fabrication of powder-based materials in terms of fundamental understanding, technological issues, and industrial applications. Besides its traditional importance for the production of structural powder components, sintering technology is emerging as a leading and irreplaceable tool for a variety of modern applications. This conference will focus on the increasing ability to design complex and multifunctional materials with specific microstructures and properties.

This conference continues the famous cycle of conferences on Sintering and Related Phenomena organized in US in the middle of 20th century, and is eighth in a series that began in 1995. The previous seven conferences have been held in Pennsylvania State University, USA (1995, 1999, 2003); Grenoble, France (2005); La Jolla, USA (2008); Jeju, Korea (2011); and Dresden, Germany (2014).

Sintering 2017 invites researchers, industrial partners, and students to meet and establish collaborations, common understanding and professional relationships.

The technical program covers sintering of all classes—from powder materials through invited and contributed talks—and includes poster presentations and special programs designed to facilitate discussion among participants. Program topics include, but are not limited to the following:

- Fundamental aspects of sintering
- Modeling and simulation of sintering at multiple scales
- Sintering of multi-material and multi-layer systems
- Microstructural evolution in sintering processes
- Novel sintering processes (field-assisted, laser, etc.)
- Sintering phenomena in additive manufacturing
- Stress-assisted sintering (e.g. hot- pressing, hot isostatic pressing, sinter- forging)
- Sintering of nano-structured materials
- Sintering of electronic materials
- Sintering in emerging energy and bio applications
- Chemical interactions during sintering
- In-situ measurements and analysis of sintering
- Other sintering-related topics

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A number of contributors will be invited to submit a manuscript for a peer reviewed special section of the Journal of the American Ceramic Society, based on the presentations at Sintering 2017. Additionally, the authors presenting at Sintering 2017, will be invited to submit a manuscript for publication in Ceramic Transactions.

Sintering 2017 continues the tradition of being an outstanding opportunity to meet, exchange ideas and knowledge, and enjoy interacting with like-minded sintering experts.

We look forward to welcoming you to Sintering in San Diego!

CONFERENCE CHAIRS

Rajendra K. Bordia, Eugene A. Olevsky, Didier Bouvard, Suk-Joong L. Kang and Bernd Kieback

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<http://missionbay.hyatt.com/en/hotel/home.html>



ABSTRACT SUBMISSION INSTRUCTIONS

- Visit ceramics.org/sintering2017 to review session topics.
- Select "Submit Abstract" to be directed to the Abstract Central website.

Abstract title and text character limit (including spaces) is 1,500 characters.

If you have questions, please contact **Marilyn Stoltz** at mstoltz@ceramics.org or +1 614-794-5868.