

## Call for Papers

# Third International Symposium on Nanoporous Materials by Alloy Corrosion

Courtyard Marriot Downtown Philadelphia

Philadelphia, PA, USA

02/24/2019 – 02/28/2019

### Organizers

Joshua Snyder  
Drexel University

Ian McCue  
Johns Hopkins Applied Physics Lab

Haijun Jin  
Institute of Metal Research, Chinese Academy of Sciences

## Topical Focus

Nanoporous metal microstructures prepared by dealloying of a solid solution alloy or compound represent an emerging class of materials, characterized by their network of solid ligaments with length scales spanning nm and to  $\mu\text{m}$ . The unique morphological architecture composed of bicontinuous nanoporosity incorporates the exciting properties of nanoscale objects into macroscopic materials.

Even though dealloying has a long history in materials research, its mechanisms are only partly understood. Their study touches upon the thermodynamics of driven systems, on the topology of bicontinuous microstructures and on its evolution during coarsening.

This meeting is the third in a series aiming to establish a forum for promoting interaction and the exchange of scientific insight and opinion. Special emphasis will be on attracting young researchers.

## Format

The symposium will be structured similar to a Gordon conference. The number of participants is limited to 80.

Talks are by invitation or selected from outstanding submitted contributions from emerging young scientists.

Topical focus for the 2019 meeting will include: corrosion science, topology and morphological evolution, mechanics of materials, microstructure and characterization, catalysis, and functional applications.

## Confirmed invited speakers

Keynote: Karl Sieradzki  
*Arizona State University*

Jonah Erlebacher  
*Johns Hopkins University*

Feng Jiao  
*University of Delaware*

Mingwei Chen  
*Johns Hopkins University*

Jurgen Biener  
*Lawrence Livermore National Lab*

Eric Desti  
*University of Pennsylvania*

Jorg Weissmuller  
*Technische Universitat Hamburg*

Diana Farkas  
*Virginia Tech*

Peter Voorhees  
*Northwestern University*

Qing Chen  
*Hong Kong University of Science and Technology*

Karen Chen-Wiegart  
*Stony Brook University*

Ian McCue  
*Johns Hopkins Applied Physics Lab*

Hidemi Kato  
*Tohoku University*

Erica Lilleodden  
*Helmholtz-Zentrum Geesthacht*

John Balk  
*University of Kentucky*

Yi Ding  
*Tianjin University of Technology*

Niaz Abdolrahim  
*University of Rochester*

Frederic Maillard  
*French National Center for Scientific Research*

Roger Newman  
*University of Toronto*

Mitsu Murayama  
*Virginia Tech*

Ju-Young Kim  
*UNIST*

Alain Karma  
*Northeastern University*

## Venue

Courtyard Marriott Philadelphia Downtown

21 N. Juniper St.

Philadelphia, PA 19107

(215) 496-3200



## Hotel Website:

<https://www.marriott.com/hotels/travel/phldc-courtyard-philadelphia-downtown/?scid=bb1a189a-fec3-4d19-a255-54ba596febe2>

## Important Dates and Deadlines

TBD      Deadline for abstract submission

TBD      Notification of acceptance

TBD      Deadline for registration

## Conference Fee

This will be announced soon.

## Contact

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Drexel University

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## Conference web site:

<http://www.chemeng.drexel.edu/snyderlab/symposium/index.html>