

St. Louis Section/RCD 55th Annual Symposium: March 27-28 2019

The St. Louis Section and the Refractory Ceramics Division of The American Ceramic Society will sponsor the 55th Annual Symposium on Refractories on the theme “**Shaped Refractories**” on March 27-28, 2019 and a kickoff event (TBD) will held the evening of March 26, 2019. The meeting will be held in St. Louis, Missouri, at the Hilton St. Louis Airport Hotel. Co-program chairs are Beau Billet of Edward Orton Jr. Ceramic Foundation and Dawn Hill of Xertech Specialties/Artech.

Partial list to be presented are...

“Phase Changes in Aluminum Phosphates Caused by Refractory Fabrication and Service”

James Bennett¹, Anna Nakano^{1,2}, Jinichiro Nakano^{1,2}, and Jack Widmer^{1,3}

¹National Energy Technology Laboratory – USDOE; ²AECOM; ³ORISE

“An Overview of Ceramic Forming Processes”

William M. Carty

New York State College of Ceramics at Alfred University

“Processing of Magnesia Ceramic Shapes via Slip Casting”

Keith DeCarlo¹, and William M. Carty²

¹Blasch Precision Ceramics; ²Alfred University

“Engineering Resilience with Precast Refractory”

Dana Goski and Matthew Lambert

Allied Mineral Products, Inc

“Regional Influences in Aluminosilicate Refractory Raw Material Selection”

Scot Graddick, Chris Parr, and Phil Edwards

Imerys Aluminates

“Ideal Casting Procedures for Optimal Precast Shape Properties”

William L. Headrick Jr. PhD. ¹, Dale Zacherl², and Andreas Buhr³

¹Missouri Refractories Company, Inc. (MORCO); ²Almatis, Inc.; ³Almatis GmbH, Germany

“A Study of Controlled Drying of Refractory Castable Shapes”

James G. Hemrick and John L. Waters

Reno Refractories, Inc.

“Thermomechanical Behavior and Slag Corrosion Mechanism of Spinel-Periclase-Zirconia Refractories for Ruhrstahl Heraeus Degasser”

Somnath Mandal

University of California

“New Advances in the Laboratory Characterization of Refractories: Testing, Modelling and Industrial Applications” *Invited Paper – 2018 Alfred W. Allen Award Winner*

Jacques Poirier

Polytech’Orleans

“Thermally Induced Distinct Materials Behavior of Andalusite Bricks”

Hartmut Koerber, Yannick Hemberger, and Peter Quirnbach

Deutsches Institut fuer Feuerfest und Keramik GmbH (DIFK)

“Non-destructive Testing to Determine Internal Defects in Shaped Refractories”

Thomas R. Viverito

Morgan Advanced Materials

“The History of Refractory Bricks in Missouri”

Shannon Jaeger, Kelley Wilkerson, and Jeffrey Smith

Missouri University of Science and Technology

“Comparison of Cement- and Hydratable Alumina-Bonded Alumina-Spinel Materials for Steel Ladle Purging Plugs”

Dale Zacherl

Almatis, Inc.

The **Tabletop Expo** format is the same as previous years, with each vendor having a 6-foot table to display products and literature. The charge is \$300, which will be used to cover the cost of the Expo Hall and provide an open two hour bar during the “Meet and Greet” for the attendees prior to the dinner buffet on Wednesday evening. If you are interested in participating in the Tabletop Expo, contact Patty Smith at (573) 341-6265 or psmith@mst.edu.

Please note that a meeting of the **ASTM International C-8 Committee on Refractories** will be held on March 26th, before this joint St. Louis Section/RCD conference. Contact Molly Lynyak at mlynyak@astm.org for more information on this meeting.

The pre-registration fee of \$225.00 or on-site registration fee of \$275.00 (\$125.00 for Emeritus/Seniors and \$50.00 for students) includes the cost of your bound copy of the Symposium Technical Papers, Continental Breakfast, Lunch, Dinner and Coffee Breaks.

A block of rooms has been set aside for the evenings of March 25-29, 2019 at the Hilton (314) 426-5500. The rate is \$113.00 for a single or double. To receive the \$113 rate mention the Group Name: St. Louis Section of The American Ceramic Society or Group Code: ACS when making your reservation. The web address to make online reservations is:

https://secure3.hilton.com/en_US/hi/reservation/book.htm?inputModule=HOTEL&ctyhocn=STLHIHF&spec_plan=ACS&arrival=20190325&departure=20190329&cid=OM,WW,HILTONLINK,EN,DirectLink&fromId=HILTONLINKDIRECT

All hotel reservations must be received on or before **February 24, 2019**.

For further information please contact Patty Smith at tel: (573) 341-6265, Fax: (573) 341-2071 or email: psmith@mst.edu.