

# Timeline

23<sup>rd</sup>  
NAM

**March 15, 2013**

Notification of accepted abstracts (oral and posters) and awarded Kokes Grants

**April 19, 2013**

Deadline of Early Registration

**April 20 – May 30, 2013**

Open Registration

**June 2-7, 2013**

On-Site Registration

**June 2, 2013**

Opening Ceremony at Churchill Downs  
6 pm - 10 pm

**June 3-7, 2013**

Technical Program

## Sponsors

We thank all of the meeting sponsors for their generous support. For frequent updates and sponsor information please visit the meeting website for details:  
[www.NAM23.org](http://www.NAM23.org)

## Exhibition

An exhibition of the latest instruments, products, and services in the field of catalysis research and development will be held during the 23<sup>rd</sup> NAM. Interested participants can obtain the **EXHIBITOR BROCHURE** by visiting our website.



# Scope of the Meeting

## Catalyst Design and Synthesis

- Novel catalytic materials and synthesis techniques
- Catalyst design guided by theory
- Bio-mimetic catalysis

## Novel Catalyst Characterization Techniques

- Exsitu, insitu and operando techniques

## Advances in Catalytic Reaction Engineering

- Novel contacting methods; catalysis and mass transfer
- Reactions in non-conventional media

## Catalysis for Energy Applications

- Hydrogen production; catalytic production of clean fuels
- Fuel cells, batteries and electrocatalysis
- Fischer-Tropsch synthesis and gas to liquids
- Photo-catalysis

## Catalysis for Sustainability

- Emission control; CO<sub>2</sub> capture and conversion
- Catalytic combustion
- Catalytic conversion of biomass
- Green catalytic processes

## Catalysis for Fine and Industrial Chemicals

- Acid-base catalysis; chiral catalysis; polymerization
- Partial oxidation, oxidative dehydrogenation

## Catalyst Deactivation and Regeneration

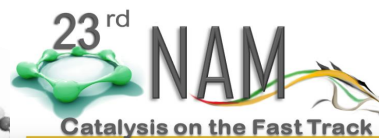
- Deactivation mechanisms and regeneration schemes

## Computational Catalysis

- First-principles-based catalyst screening
- Multi-scale modeling; reactive force fields

## Fundamentals of Catalysis

## Emerging and Cross-cutting Areas



Louisville, Kentucky

June 2-7, 2013

## Kokes Travel Awards

Richard J. Kokes Student Travel Awards: ~ 100 awards will be made available.

## Scientific Program

23<sup>rd</sup> NAM will bring together more than 1,000 participants to share technical progress and challenges in all areas related to catalysis. It will include three plenary lectures, presented by the recipients of the Boudart, Houdry, and Emmett awards, ~20 keynote addresses by leaders in the field, more than 400 oral presentations, and about 600 posters.

## Plenary Lectures

### PAUL EMMETT Award Lecture

- *Christopher Jones*

### EUGENE HOUDRY Award Lecture

- *Giuseppe Bellussi*

### MICHEL BOUDART Award Lecture

- *Jens Nørskov*

## Catalysis on the Fast Track

### Select Keynote presentations by:

- John Armor -- USA
- Alex Bell -- USA
- Jeffery Bricker -- USA
- Linda Broadbelt -- USA
- Charles Campbell -- USA
- Atsushi Fukuoka -- Japan
- Bruce Gates -- USA
- Andy Gellman -- USA
- Ive Hermans -- Switzerland
- Graham Hutchings -- UK
- David Jackson -- UK
- C.J. Li -- Canada
- Jeff Miller -- USA
- Fabio Ribeiro -- USA
- Joachim Sauer -- Germany
- Philippe Sautet -- France
- Stuart Soled -- USA
- Gabor Somorjai -- USA
- Eric van Steen -- South Africa
- Peter Strasser -- Germany

**On-Line Registration**

**[www.NAM23.org](http://www.NAM23.org)**

**Inquiries should be sent to:**

**Meeting Solutions, Inc.**

**[jennifer@meetingsolutionsinc.com](mailto:jennifer@meetingsolutionsinc.com)**



# Organizing Committee

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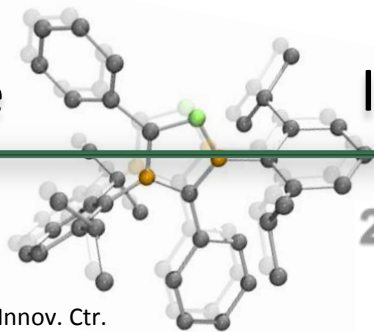
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# Invitation

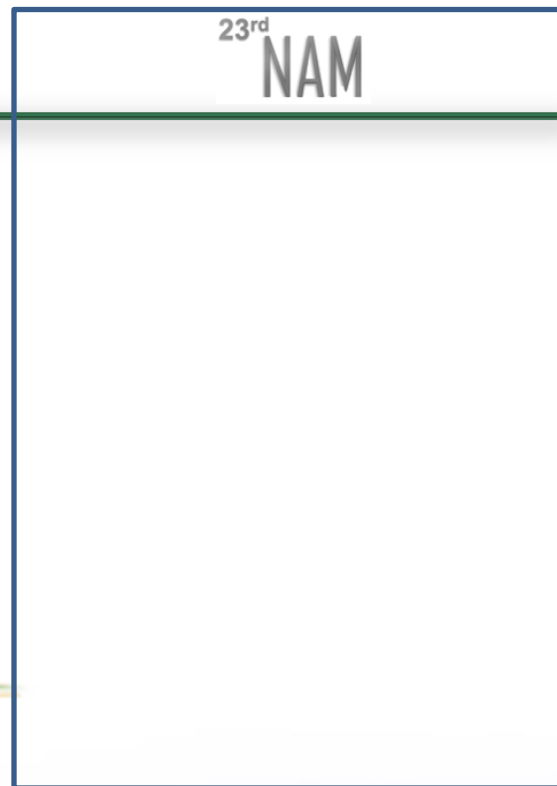
23<sup>rd</sup>  
NAM

We invite you to join us at the 23<sup>rd</sup> North American Catalysis Society Meeting to be held from June 2-7, 2013 in Louisville, Kentucky at the historic Galt House Hotel. This biennial meeting is widely recognized as the premier topical conference for matters related to heterogeneous catalysis, while also including broad coverage of homogeneous catalysis, electrocatalysis, and photocatalysis.

Technological challenges, breakthrough discoveries and state-of-the-art academic and industrial research will be featured. The opening reception of the 23<sup>rd</sup> NAM will take place at Churchill Downs, home of the Kentucky Derby.

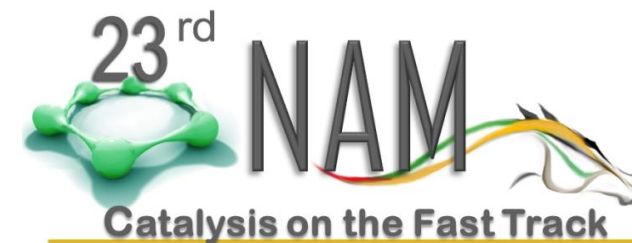


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North  
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Louisville, Kentucky  
June 2-7, 2013

