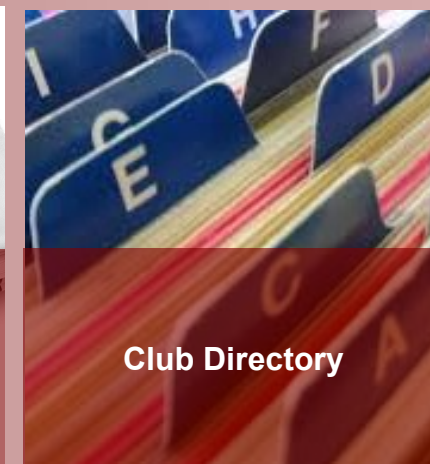
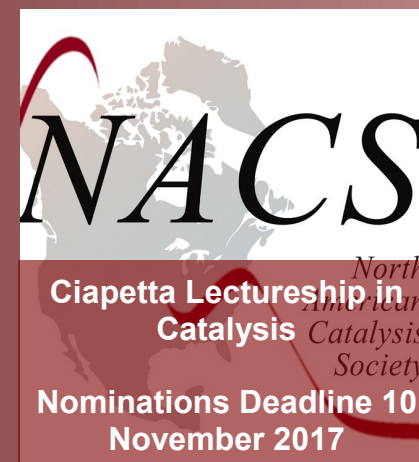


# NACS Newsletter

VOLUME LI, ISSUE 2  
WWW.NACATSOC.ORG



# The F. G. Ciapetta Lectureship in Catalysis

*Deadline for nominations is 10 November 2017*

The F. G. Ciapetta Lectureship in Catalysis (prior to 1973 The National Lectureship) is sponsored by the W.R. Grace & Co. and The North American Catalysis Society. The Society administers this Lectureship. It is to be awarded biennially in even numbered years. The Award consists of a plaque and an honorarium of \$5,000. Travel expenses are provided through a travel escrow fund, administered by the NACS, to be used on a "as needed basis" for the recipients from academia or industrial companies (with < \$100 Million annual sales; up to \$3,000. for employees of larger companies).

The Award is given in recognition of substantial contributions to one or more areas in the field of catalysis with emphasis on industrially significant catalysts and catalytic processes and the discovery of new catalytic reactions and systems of potential industrial importance. The awardee will be selected on the basis of his/her contributions to the catalytic literature and the current timeliness of these research contributions. The recipient may be invited to visit

and lecture to each of the affiliated Clubs/Societies with which mutually satisfactory arrangements can be made.

Selection of the awardee will be made without regard to age, sex, nationality, or affiliation. The nomination materials should describe clearly, specifically, and concisely the nominee's qualifications and accomplishments in the context of the specific award.

These materials should include the following documents (submitted as a single PDF file and not exceeding the indicated length): (i) a nomination letter (1000 words); (ii) two supporting letters (800 words each); (iii) a narrative biographical note (500 words); and (iv) a curriculum vitae, including relevant positions and recognitions and a list of publications and patents.

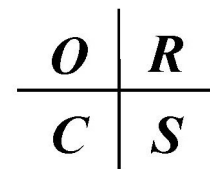
The nomination and supporting letters should be specific to the year and to the name of the award.

Nominations for the Ciapetta Award will close on 10 November 2017. All nomination packages for the Ciapetta Award should be should be sent to Jingguang

Chen, President, North American Catalysis Society; at [jgchen@columbia.edu](mailto:jgchen@columbia.edu). Receipt of any nomination, will be confirmed by an email message sent to any nominator.

## Previous Award Winners

1967 Jan H. deBoer  
1968 John Sinfelt  
1969 Stanislas Teichner  
1972 George C.A. Schuit  
1973 Jose J. Fripiat  
1974 Dennis A. Dowden  
1975 Pierre C. Gravelle  
1976 Gerhard Ertl  
1977 John R. Anderson  
1986 Michel Boudart  
1988 James D. Idol  
1990 W. Keith Hall  
1992 R. van Santen  
1994 John J. Rooney  
1996 George Kokotailo  
1998 Avelino Corma  
2000 Gary McVicker  
2002 John Monnier  
2004 Douglas Stephan  
2006 Stuart Soled  
2008 Robert Farrauto  
2010 Jeffrey T. Miller  
2012 Thomas Degnan  
2014 Paul Barger  
2016 Ahmad Moini



*Organic Reactions Catalysis Society, Inc.*

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

**ORCS is pleased to announce its 27<sup>th</sup> Biennial Conference at the Catamaran Resort and Spa in San Diego, CA**

**April 8-12, 2018**

Technical topics will include:

- Catalysis for biomass oxidation
- Electrocatalysis and photocatalysis
- Catalysis of polymers for medical applications
- Catalysis for specialty chemicals and pharmaceuticals
- Catalysis to enable production of chemicals from sustainable sources
- Advances in sustainable and base metal catalysis
- Catalyst characterization and study of reaction and deactivation pathways

A short course on aspects of catalyst design, preparation, characterization &/or selection will be offered on Sunday, April 8<sup>th</sup>.

## Keynote Speakers:

<b>Neil Garg</b> Professor of Chemistry and Biochemistry University of California Los Angeles	<b>Anne Gaffney</b> Process Science & Technology Division Director Idaho National Laboratory
<b>Yuriy Román</b> Associate Professor of Chemical Engineering Massachusetts Institute of Technology	<b>Matthew Sigman</b> Peter J. Christine S. Stang Presidential Endowed Chair of Chemistry University of Utah



## Important Dates

**Award Nominations Call:** 15 May 2017  
**Award Nominations Extended:** 15 September 2017  
**Awards Notifications:** November 2017

**Abstract Due:** **Extended 30 November 2017**

(Email to chair at [orcschair@orcs.org](mailto:orcschair@orcs.org))

**Abstract Acceptance Notification:** November 2017

**Conference Registration Opens:** November 2017

**Conference Dates:** 8-12 April 2018

**Venue:** Catamaran Resort and Spa, San Diego, CA USA

**National Officers:** President - Jingguang Chen, Columbia University & Brookhaven National Laboratory; Vice-President - Christopher Jones, Georgia Institute of Technology; Secretary - Javier Guzman, ExxonMobil; Treasurer - Beata Kilos, Dow Chemical Company; Lead Trustee - Thomas F. Degnan, Jr., University of Notre Dame; Communications Director - Edrick Morales, Sasol (USA) Corporation.

**Club Representatives:** **California** - Alex Katz, University of California, Berkeley; **Canada** - Josephine Hill, University of Calgary; **Chicago** - Christopher L. Marshall, Argonne National Laboratory; **Mexico** - José Javier Rivera de la Rosa, Universidad Autonoma de Nuevo Leon; **Michigan** - Eric Stangland, The Dow Chemical Company; **New England** - William C. Conner, University of Massachusetts; **New York** - Israel E. Wachs, Lehigh University; **Pacific** - Alex Katz, University of California-Berkeley; **Philadelphia** - Dion Vlachos, University of Delaware; **Pittsburgh/Cleveland** - Götz Vesser, University of Pittsburgh; **Organic Reactions Catalysis Society** - Christopher W. Jones, Georgia Institute of Technology; **Rocky Mountain** - Ryan Richards, Colorado School of Mines; **South-east** - Steven H. Overbury, Oak Ridge National Laboratory; **Southwest** - Mike Reynolds, Shell; **Tri-State (KY/OH/WV)** - Umit S. Ozkan, The Ohio State University.

**Directors-at-Large:** Abhaya Datye, University of New Mexico; Jim Dumesic, University of Wisconsin; Maria Flytzani-Stephanopoulos, Tufts University; Bruce C. Gates, University of California at Davis; Fabio H. Ribeiro, Purdue University; Stuart L. Soled, ExxonMobil.





The 25<sup>th</sup> North American Meeting (NAM) of the North American Catalysis Society was held June 4-9, 2017 in Denver Colorado. The meeting was hosted by the Rocky Mountain Catalysis Society. The theme of the meeting was Mile High Catalysis.

A record 1525 people registered for the meeting, including 475 students. The attendees represented 41 countries with 35% attending from outside of the United States. Industrial representatives were 40% of attendees with 48% from academia and 12% from national laboratories.

The opening reception was attended by more than 1000 conference attendees. The reception took place at the Pinnacle Club with panoramic views of the

Rocky Mountains, the Denver skyline, and a spectacular sunset. The included pictures capture some of the memorable moments from NAM 25 including the banquet hall, Colorado themed cuisine served at the opening reception and Enrique Iglesia getting a standing ovation for his service as the President of NACS.

The meeting included three keynote presentations by the recipients of awards presented by the North American Catalysis Society. These include Jeffery Bricker from UOP-Honeywell who received the Eugene Houdry award for his work on Recent Advances in Catalysis for Petrochemicals, Suljo Linic from the University of Michigan received the Paul Emmett award for his research on

Catalysis on Plasmonic Nanoparticles and Bruce Gates from the University of California Davis received the Michel Boudart award for his work on Molecular Catalysts on Supports: Organometallic Chemistry Meets Surface Science. The society also presented the Robert Burwell award to Jingguang Chen from Columbia University and the F. G. Ciapetta lectureship to Ahmad Moini from BASF. Gary Haller from Yale University received the Award for Distinguished Service in the Advancement of Catalysis.

For the first time, there were 8 parallel technical presentation sessions. The technical program focused around 10 topical areas: Biomass Conversion, Catalyst Characterization, Catalysis for

Fossil Fuels, Catalyst Design and Synthesis, Catalyst Modelling and Simulation, Environmental Catalysis, Fine and Industrial Chemicals, Fundamentals of Catalysis, Photocatalysis and Electrocatalysis, and Reaction Engineering. A total of 115 sessions were arranged around these 10 topical areas. Within these technical sessions were 580 oral presentations by attendees along with 19 invited keynote lectures. Three evening poster session had an additional 520 presentations.

Social program events included a 5k run on Tuesday morning. The overall winners were Evgeny Beletskiy, Scientific Design Co. and Kate Mingle, South Carolina. Tuesday also included a self-guided meet-up of the Denver

City Park and Museum of Nature and Science. A baseball match-up between the Colorado Rockies and the Cleveland Indians concluded Tuesday's activities. Wednesday evening provided conference attendees an opportunity to participate in a Pub Crawl. Participants were able to visit 12 of Denver's finest bars, breweries and wineries.

Ryan Richards from Colorado School of Mines and Abhaya Datye from the University of New Mexico served as Meeting Chairs. Cal Bartholomew from Brigham Young University was the Honoray Chair. Cal Bartholomew was a founding member of the Western States Catalysis Club (WSCC) which was established 1985. He helped bring together a scattered

group of catalysis researchers under the umbrella of the NACS. The WSCC became the Rocky Mountain Catalysis Society (RMCS) in 2015. The RMCS previously hosted the 14th NAM at Snowbird Utah in 1995.

The organizers of NAM25 thank Meeting Solutions Inc. for providing all of the logistical support including registration and on site arrangements.

## Organizing Committee

### Honorary Chair



**CAL  
BARTHOLOMEW**  
*Brigham Young  
University*

### Meeting Co-Chairs



**ABHAYA DATYE**  
*Univ. of New Mexico*



**RYAN RICHARDS**  
*Colorado School of  
Mines*

### Website



**BRIAN TREWYN**  
*Colorado School of  
Mines*

### Kokes Awards



**JOHN FALCONER**  
*Univ. of Colorado,  
Boulder*



**SVITLANA PYLYPENKO**  
*Colorado School of  
Mines*

### Secretary



**JOSEPH HOLLES**  
*Univ. of Wyoming*

### Treasurer



**MORRIS ARGYLE**  
*Brigham Young  
University*

### Program Chair



**WILL MEDLIN**  
*Univ. of Colorado,  
Boulder*

### Program Committee Co-Chairs



**JOSH SCHAIDLE**  
*National Renewable  
Energy Laboratory*



**DAN GINOSAR**  
*Idaho National  
Laboratory*

### Local Arrangements/Social Program



**MATT YUNG**  
*National Renewable  
Energy Laboratory*



**MICHAEL GRIFFIN**  
*National Renewable  
Energy Laboratory*



**STEPHANIE WETTSTEIN**  
*Montana State  
University*

### Graphics



**USCHI GRAHAM**  
*Univ. of Kentucky*

### Fundraising



**REBECCA FUSHIMI**  
*Idaho National  
Laboratory*



**ANNE GAFFNEY**  
*Idaho National  
Laboratory*



**BOB BALDWIN**  
*National Renewable  
Energy Laboratory*



**RICH BOLIN**  
*National Renewable  
Energy Laboratory*

### Poster Program



**JESSE HENSLEY**  
*National Renewable  
Energy Laboratory*



**GREGG BECKHAM**  
*National Renewable  
Energy Laboratory*



**LUCIA PETKOVIC**  
*Idaho National Energy  
Laboratory*



**JENNIFER NIEWEG**  
*Albemarle*

### Exhibition







# Awards Presented by the North American Catalysis Society

The North American Catalysis Society sponsors six prestigious awards and lectureships to recognize the accomplishments of catalysis scientists and to promote the advancement of catalysis science in North America and world-wide.

Three of these awards include plenary lectures at NACS biannual meetings (Eugene J. Houdry Award in Applied Catalysis, Paul H. Emmett Award in Fundamental Catalysis, Michel Boudart Award for the Advancement of Catalysis, the latter jointly presented with the European Federation of Catalysis Societies). The F.G. Ciapetta and Robert Burwell Lectureships in Catalysis involve lectures at local club meetings and the presentation of the awards at the NACS meeting banquet. The NACS Award for Distinguished Service in the Advancement of Catalysis is the most recent recognition instituted by the Society. All of these awards are presented every two years and the nomination deadlines are listed in below. Additional information is available in the NACS website: <http://nacatsoc.org/awards/>.

## Canvassing and Nomination Processes

NACS encourages all nominations for these awards and nominators and nominees need not be NACS members. The President instructs the Vice President to form a canvassing committee for each cycle of every award to ensure a full slate of outstanding candidates. This committee is led by the NACS Vice-President and consists of previous award recipients and recognized experts within the catalysis community at-large. The committee identifies worthy candidates and its Chair seeks nominators for these candidates, but provides no specific guidance about the preparation of the nomination packages beyond that provided on the NACS web site. The Chair also instructs the Secretary to contact all NACS local representatives to request that they canvass for nominations within their local sections. All nomination deadlines and cycles are also announced in the quarterly NACS newsletter.

## Award Recipient Nomination Process

The jury that selects each NACS award recipient consists of scientists and engineers recognized as experts and representing industry,

academia, and national labs. The members of this jury must have no affiliation with any of the nominees and are specifically asked to disclose any conflicts of interest and to disqualify themselves without prejudice when a conflict exists. The selection jury is appointed by the NACS President, who seeks guidance in selecting its members from the Vice President and from senior members of the catalysis community. The identity of the jury members is kept in the strictest confidence and known only to the President; the members are also required to keep their participation in these committees confidential.

The NACS President provides the jury with the nomination packages for all candidates within two weeks of the deadline; in the intervening time, potential jury members are asked about their willingness to serve. The members of the jury rank the candidates and provide specific details for their selection in the case of the top three candidates. In some cases, jury members are asked to again rank the top two candidates side-by-side, after considering their respective nomination packages once again.

The recipient of the Award and his/her nominators are informed of the decision of the jury, followed by notification of jury members and of nominators of the other candidates. A formal announcement, composed by the President in consultation with the recipient and the nominator, is published in the NACS web site and the NACS newsletter and soon thereafter in Chemical and Engineering News. The awards are all presented at the biennial NACS meeting, where the respective citations are read and the award winners receive a plaque.

The NACS community at-large deserves congratulations and thanks for the excellent cadre of nominees that it has put forth and chosen and for their dedication as nominators and as members of the jury.

## Awards

### ♦ Michel Boudart Award for the Advancement of Catalysis

- ♦ This award is sponsored by the Haldor Topsøe Company and administered jointly by the North American Catalysis Society and the European Federation of Catalysis Societies.
- ♦ Deadline: **9 November 2018**

- ♦ Webpage: <http://nacatsoc.org/awards/boudart/>

### ♦ The Robert Burwell Lectureship in Catalysis

- ♦ Sponsored by Johnson Matthey and administered by The North American Catalysis Society.
- ♦ Deadline: **25 January 2019**
- ♦ Webpage: <http://nacatsoc.org/awards/burwell/>

### ♦ The F. G. Ciapetta Lectureship in Catalysis (prior to 1973 The National Lectureship)

This award is sponsored by the W.R. Grace & Co. and The North American Catalysis Society.

- ♦ Deadline: **10 November 2017**
- ♦ Webpage: <http://nacatsoc.org/awards/ciapetta/>

### ♦ Paul H. Emmett Award in Fundamental Catalysis

- ♦ Award sponsored by the W.R. Grace & Co. and administered by the North American Catalysis Society.
- ♦ Deadline: **28 September 2018**
- ♦ Webpage: <http://nacatsoc.org/awards/emmett/>

### ♦ Eugene J. Houdry Award in Applied Catalysis

- ♦ Award sponsored by Clariant and administered by The Catalysis Society.
- ♦ Deadline: **27 July 2018**

- ♦ Webpage: <http://nacatsoc.org/awards/houdry/>

### ♦ Award for Distinguished Service in the Advancement of Catalysis

- ♦ This award is awarded by the North American Catalysis Society and sponsored by ExxonMobil and Clariant.
- ♦ Deadline: **25 May 2018**
- ♦ Webpage: <http://nacatsoc.org/awards/service/>

## Award Deadlines

Boudart  
9 November 2018

Burwell  
25 January 2019

Ciapetta  
10 November 2017

Emmett  
28 September 2018

Houdry  
27 July 2018

Service  
25 May 2018

# The NACS Award for Distinguished Service in the Advancement of Catalysis

*Deadline for nominations is 25 May 2018*

The NACS Award for Distinguished Service in the Advancement of Catalysis is jointly sponsored by ExxonMobil Research and Engineering and Clariant. Purpose: To recognize an individual (every two years with a \$5,000 prize) who advanced catalytic chemistry or engineering by significant service to the catalysis community in addition to technical accomplishments. Travel costs are provided to the meeting where the award is presented. Rules of Eligibility: A nominee must have demonstrated extensive contributions to the advancement of catalysis during their career. Service activities recognized by the award may include roles such as teaching, mentoring, writing, editing, and leadership of meetings or organizations. An awardee must have made these contributions to the benefit of the North American catalysis community.

The nomination materials should describe clearly, specifically, and concisely the nominee's qualifications and accomplishments in the context of the specific award.

These materials should include the following documents (submitted as a single PDF file and not exceeding the indicated length): (i) a nomination letter (1000 words); (ii) two supporting letters (800 words each); (iii) a narrative biographical note (500 words); and (iv) a curriculum vitae, includ-

ing relevant positions and recognitions and a list of publications and patents.

The nomination and supporting letters should be specific to the year and to the name of the award.

All nomination packages (one electronic copy) for the Service Award should be sent to Jingguang Chen, President, North American Catalysis Society at [jgchen@columbia.edu](mailto:jgchen@columbia.edu). Nominations for the 2016 Award will close by 25 May 2018. Receipt of any nomination, will be confirmed by an email message sent to any nominator.

## Previous Award Winners

2010 W. Nicholas Delgass  
2012 John Armor  
2014 Burtron H. Davis  
2016 Gary L. Haller

# The Organic Reactions Catalysis Society (ORCS)

*The 27<sup>th</sup> ORCS Meeting - San Diego, CA - April 8-12, 2018*

The Organic Reactions Catalysis Society is pleased to announce its biennial conference at the Catamaran Resort and Spa in San Diego, CA April 8<sup>th</sup>-12<sup>th</sup> 2018.

Technical topics will include:

- Catalysis for biomass oxidation
  - Electrocatalysis and photocatalysis
  - Catalysis of polymers for medical applications
  - Catalysis for specialty chemicals and pharmaceuticals
  - Catalysis to enable production of chemicals from sustainable sources
  - Advances in sustainable and base metal catalysis
  - Catalyst characterization and study of reaction and deactivation pathways
- A short course on aspects of catalyst design, preparation, characterization &/or selection will be offered on Sunday, April 8<sup>th</sup>.

## Keynote Speakers

- **Neil Garg** - Professor of Chemistry and Biochemistry, University of California Los Angeles
- **Anne Gaffney** - Process Science & Technology Division Director, Idaho National Laboratory

- **Yuriy Román** - Associate Professor of Chemical Engineering
- Massachusetts Institute of Technology
- **Matthew Sigman** - Peter J. Christine S. Stang Presidential Endowed Chair of Chemistry University of Utah

## Important Dates

- Award Nominations Call: 15 May 2017
- Award Nominations Extended: 15 September 2017
- Awards Notifications: November 2017
- **Abstract Due: Extended 30 November 2017** (Email to chair at [orcschair@orcs.org](mailto:orcschair@orcs.org))
- Abstract Acceptance Notification: November 2017
- Conference Registration Opens: November 2017
- Conference Dates: 8-12 April 2018
- Venue: Catamaran Resort and Spa, San Diego, CA USA

The ORCS abstract submission form is available at <http://orcs.org/wp-content/uploads/2017/09/orcs-27-abstract-template.doc>.

## Catalysis Club of Chicago (CCC)



### 2017 Herman Pines Award Announcement

Professor Peter Stair of Chemistry Department at Northwestern University has been selected as the recipient of 2017 Herman Pines Award. This is based on significant contributions that Peter and co-workers at Northwestern University and Argonne National Lab have made in recent years to advance the fundamental understanding and applications in the field of synthesis and characterization of supported metal/metal oxide catalysis; specifically techniques developed by Peter and his co-workers to stabilize homogenous and supported metal nanoparticle within atom-

ically confined environments of unique structure and composition by Atomic Layer Deposition (ALD) synthesis and his pioneering work in in situ and operando Raman spectroscopy. This award also recognizes Peter's outstanding leadership and contributions to Catalysis Community throughout his career.

### 2017 – 2018 Program for the Catalysis Club of Chicago

Visit [www.catalysisclubchicago.org](http://www.catalysisclubchicago.org) for meeting locations.

<b>October 2 2017</b>	<b>Professor Josephine M Hill</b> <b>Canada Research Chair in Hydrogen &amp; Catalysis Department of Chemical &amp; Petroleum Engineering University of Calgary</b>  <b>Catalyst Development from Sustainable Materials</b>
<b>November 6 2017</b>	<b>Professor Jingguang G. Chen</b> <b>Department of Chemical Engineering</b> <b>Columbia University</b>  <b>Converting CO<sub>2</sub> via Thermocatalysis and Electrocatalysis</b>
<b>December 11 2017</b>	<b>Dr. Ahmad Moini</b> <b>BASF</b>  <b>Novel Zeolite Catalysts for Diesel Emission Applications</b>
<b>January 8 2017</b>	<b>Professor George Huber</b> <b>Department of Chemical Engineering</b> <b>University of Wisconsin</b>  <b>TITLE TBA</b>
<b>February 12 2018</b>	<b>Professor T. Brent Gunnoe</b> <b>Department of Chemistry</b> <b>University of Virginia</b>  <b>TITLE TBA</b>
<b>March 12 2018</b>	<b>Professor Phillip Christopher</b> <b>University of California, Santa Barbara</b> <b>TITLE TBA</b>
<b>April 9 2018</b>	<b>Dr. Michael Reynolds</b> <b>Shell Corporation</b>  <b>TITLE TBA</b>

## Catalysis Society of Metropolitan New York (CSNY)

The Catalysis Society of Metropolitan New York held its first monthly meeting at the Clarion Hotel in Somerset, New Jersey, on September 20th, 2017. Professor John Vohs from the Department of Chemical and Biomolecular Engineering at the University of Pennsylvania delivered a lecture on "Nano-Structured Metal Catalysts for High-Temperature Applications". During this lecture, Professor Vohs discussed strategies to control the size and shape of metal nanoparticles. In this lecture, mechanistic studies of exsolution processes were also presented along with thorough structural analysis via electron microscopy and atomic force microscopy.

On October 25th, Professor Franklin Tao from the Department of Chemical and Petroleum Engineering, University of Kansas gave a talk on "Operando studies of catalysis and design of oxidative catalysts". In this lecture, Professor Tao presented a novel experimental setup of an Operando-type ambient pressure X-ray photoelectron spectrometer. Mechanistic results on understanding and tracking stable intermediates in oxidative catalysis were also presented.

The upcoming 2017-2018 meetings involve research talks by Prof. Jingguang Chen from Columbia University for the 2017 Robert Burwell Lectureship in Catalysis, Dr. Jae-Soon Choi from the Oak Ridge National Laboratory and Prof. Javier García Martínez from the University of Alicante (Spain).



# Southeastern Catalysis Society (SECS)

The Southeastern Catalysis Society (SECS) held its 16th Annual Symposium at the Four Points by Sheraton Hotel on September 24th and 25th, 2017. The meeting began on Sunday early afternoon with the poster session featuring 29 contributed posters. After the poster session, we had 7 postdoc and 4 faculty oral presentations. Following the dinner was the keynote lecture given by Dr. Ahmad Moini of BASF Corporation who is the recipient the F. G. Ciapetta Lectureship in Catalysis sponsored by W.R. Grace & Co. and of the North American Catalysis Society. Dr. Moini's after-dinner lecture was titled "Novel Zeolite Catalysts for Diesel Emission Applications". On Monday, September 25th, the Symposium continued with 21 oral presentations.

Student oral and poster presentation competition winners were presented cash awards sponsored by Micromeritics and Eastman, respectively. Presentation Awards: 1st place winner – **Andrew P. Wong** of University of South Carolina with the presentation "Stabilization of Catalytic Sur-

faces Using Bimetallic Core-Shell Structures". Andrew is advised by Prof. John R. Regalbuto. 2nd place winner – **Yuanjun Song** of University of Tennessee with the presentation "Control of the Activation towards Unsaturated C-C Bonds over Ni-based Intermetallic Compounds". Yuanjun is advised by Prof. Siris Laursen. 3rd place winner – **Han Chen** of Virginia Tech with the presentation "Benchmarks for CO and CO<sub>2</sub> Adsorption on MnO(100): a Comparison of DFT to Experimental Data". Han is advised by Prof. David Cox. Poster Awards: 1st place winner – **Morghan Parker** of University of Tennessee with the poster "Elevated Temperature Photocatalytic Production of Hydrocarbons from CO<sub>2</sub> and H<sub>2</sub>O". Morghan is advised by Prof. Siris Laursen. 2nd place winner – Yasser Jangjou of University of Virginia with the poster "SO<sub>2</sub> Poisoning of Cu-SSZ-13 for NH<sub>3</sub>-SCR: Mechanistic Study and Kinetic Model Development". Yasser is advised by Prof. William S. Epling. 3rd place winner – **Elizabeth Barrow** of the University of South Carolina with the poster

"Determination and Enhancement of the Synergistic Effects of ReOx-Pd/CeO<sub>2</sub> for Improved Deoxygenation of Organic Compounds". Elizabeth is advised by Prof. Jochen Lauterbach.

Attendance at the 16th Annual SECS Symposium was a record high of 84 scientists and engineers, with attendees from thirteen Universities, Oak Ridge National Lab, and five commercial labs and suppliers.

The SECS gratefully acknowledges generous support of the Symposium from Micromeritics, Eastman Chemical Company, Setaram Instrumentation, Equilibar, Quantachrome, Altamira Instruments, H.E.L, and the NACS.

# Southwest Catalysis Society (SWCS)

## Request for Nominations

### The SWCS Award for Excellence in Applied Catalysis

The Southwest Catalysis Society (SWCS) is seeking nominations for its annual "Award for Excellence in Applied Catalysis". The award consists of a plaque and a \$1,500 gift. It is awarded to an individual from North America to recognize outstanding contributions in applied research in either homogeneous or heterogeneous catalysis. The emphasis of this award is to recognize individuals who have contributed to the application or understanding of catalysis in a commercial setting. The annual award is open to both industrial and academic applicants and will be presented at the annual Spring Symposium on April 20th, 2018 held at the University of Houston.

#### Purpose

To recognize and encourage applied catalysis research conducted in North America.

#### Nature

The award consists of \$1,500 and a plaque. The awardee is expected to deliver a lecture.

#### Establishment and Support

The award was established in 2008 by SWCS. A list of recent award

winners is available online: <http://swcatsoc.wixsite.com/swcatsoc/award>

#### Rules of Eligibility

Scientists and engineers working in industry, government labs or agencies, and academic researchers will all be eligible for the Award. Special consideration will be given to the originality and creativity of work and to its potential commercial impact. The research must have been carried out in North America.

#### Nomination

Nominations may be made by a colleague or anyone familiar with the nominee's work. The nomination packet should contain a nomination letter describing the impact of the nominee's achievements in catalysis and the nominee's CV/Resume with pertinent biographic information. Reprints of up to three patents or papers that demonstrate the nominee's excellence may be included. The nomination package should be submitted by email as single PDF attachment. Incomplete nominations may jeopardize an otherwise outstanding nomination. Nomination submitted will remain active for a period of three years.

#### Criteria

The judges will consider signifi-

cance, originality, and quality of the work as well as its potential impact on current and future industrial and commercial applications and research.

Please send materials to:

Prof. Lars C. Grabow  
University of Houston  
[grabow@uh.edu](mailto:grabow@uh.edu)

**DEADLINE:** The nomination material must be received by **Wednesday, January 3rd, 2018.**

#### SWCS Election Results

The Southwest Catalysis Society held its leadership elections on June 30th, 2017. The open positions were Chair-Elect, Treasurer, Secretary, and Director (2). Based on the membership vote with high participation, Ye Xu (Louisiana State University) serves as Chair-Elect for 2017-2018, Travis Conant (SABIC) continues his service as Treasurer, Lars Grabow (University of Houston) is the new Secretary, and joining as Directors are Nataly Garcia Vargas (Albemarle Corporation) and Sheima Jatib-Khatib (Texas Tech University). We congratulate all newly elected officers!

Club Directory

Canada Catalysis Division (CCD)  
http://catalysisdivision.ca/

Chair  
R. Tom Baker  
University of Ottawa  
rbaker@uottawa.ca

Vice-Chair  
Ying Zheng  
University of New Brunswick  
yzheng@unb.ca

Secretary/Treasurer  
Natalia Semagina  
University of Alberta  
semagina@ualberta.ca

Past-Chair  
Josephine Hill  
University of Calgary  
jhill@ucalgary.ca

Members-at-Large  
Nadi Braidy  
University of Sherbrooke  
Nadi.braidy@usherbrooke.ca

Cathy Chin  
University of Toronto  
cathy.chin@utoronto.ca

Robert Scott  
University of Saskatchewan  
robert.scott@usask.ca

Hui Wang (Webmaster)  
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hui.wang@usask.ca

Charles Xu  
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cxu6@uwo.ca

Xiaohui Zhang  
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x.zhang@shell.com

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Representative to IACS  
Ying Zheng  
University of New Brunswick  
yzheng@unb.ca

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