



# American Chemical Society Division of Inorganic Chemistry

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Prepared by John Protasiewicz, Secretary, ACS-DIC

## Announcements

☉ The Center for Catalytic Hydrocarbon Functionalization (CCHF), a U.S. Department of Energy, Energy Frontier Research Center, will host the **Frontiers in C-H Activation and Functionalization Symposium** during the 242<sup>nd</sup> ACS National Meeting in Denver, CO. The two-day symposium will take place on Sunday and Monday, August 28-29, in Room 3B of the Colorado Convention Center. With twenty four speakers from academics, industry, and abroad, the symposium will feature an exciting schedule covering salient and recent developments related to hydrocarbon functionalization. For the symposium schedule, please consult the Technical Program. For more information on the CCHF, please visit <http://artsandsciences.virginia.edu/cchf/>.

☉ The Division of Inorganic Chemistry is pleased to recognize the **recipients of the 2011 ACS DIC Undergraduate Award** in Inorganic Chemistry for their achievement in inorganic chemistry. A list of the 2011 awardees can be found at <http://www.acsdic.org/undergrad.htm>. Nominations for the 2012 Award will be accepted beginning in January. The call for nominations will be announced in the Fall/Winter DIC Newsletter. Questions about this award can be addressed to Barbara Reisner ([reisneba@jmu.edu](mailto:reisneba@jmu.edu)).

☉ The Division of Inorganic Chemistry solicits proposals for symposia to be organized as part of the inorganic programming (INOR) at one of the 2013 national ACS meetings. If you would like to organize a symposium, please contact Jeffrey Long by e-mail at [jrlong@berkeley.edu](mailto:jrlong@berkeley.edu). Please also see message from Chair-Elect.

☉ If you wish to have your announcement added to our newsletter please contact the DIC Secretary John Protasiewicz by email at [protasiewicz@case.edu](mailto:protasiewicz@case.edu).

## Spring 2011 ACS DIC Student Travel Award Winners

<u>Last Name</u>	<u>First Name</u>	<u>Institution</u>	<u>Advisor's Name</u>
Adelani	Pius	Notre Dame	Thomas Albrecht-Schmidt
Bass	Jenna	Barnard College	John S. Magyar
Boltersdorf	Jonathan	James Madison University	Barbara A. Reisner
Chatterjee	Chandrani	The Ohio State University	Malcolm Chisholm
Chiang	Karen	University of Rochester	Patrick Holland
Das	Parthapratim	University of Minnesota	Lawrence Que Jr.
Deibler	Kristine	Duquesne University	Partha Basu
Hadt	Ryan	Stanford University	Edward I. Solomon
Heilman	Brandon	University of California, Santa Cruz	Pradip Mascharak
Kmiotek	Kraig	Purdue University Calumet	Libbie S.W. Pelter
Krause	Mary	University of Kansas	Jennifer Laurence
Lei	Hao	UC Davis	Philip P. Power
Lin	Wei	Georgia Institute of Technology	C. P. Wong
Mankin	Max	Brown University	Shouheng Sun
Moyer	Brandon	Juniata College	Todsapon Thananattanachon
Parkes	Marie	University of New Mexico	Richard A. Kemp
Prokopchuk	Demyan	University of Toronto	Robert Morris
Roudebush	John	The University of California, Davis	Susan Kauzlarich
Schaefer	Zachary	The Pennsylvania State University	Raymond Schaak
Scheuermann	Margaret	University of Washington	Karen Goldberg
Sharits	Andrew	Eastern Kentucky University	Laurel Morton
Su	Haw-Lih	Texas A&M University	David E. Bergbreiter
Turner	Sara	Williams College	Christopher Goh
Vaidya	Tulaza	University of Rochester	Richard Eisenberg & Alison J. Frontier
Young	Brendan	Colorado State University	Debbie C. Crans
Zhao	Haiyan	Texas A&M University	Francois P. Gabbai
Zhou	Xiaoyuan	The University of Chicago	Richard F. Jordan

## Fall 2011 ACS DIC Student Travel Award Winners

<u>Last Name</u>	<u>First Name</u>	<u>Institution</u>	<u>Advisor's Name</u>
Brooner	Rachel	Duke University	Ross Widenhoefer
		Laboratoire de Physique et Chimie de	Laurent Maron
Cain	Matthew	Nano-Objets, France	
deKrafft	Kathryn	University of North Carolina - Chapel Hill	Wenbin Lin
Dubceac	Cristina	Univ at Albany, SUNY	Marina Petrukhina
Robert	Garner	Ohio State University	Claudia Turro
Goren	Allena	University of Arizona	Ann Walker
Han	Zhiji	University of Rochester	Richard Eisenberg
Hoppe	Sarah	University of New Mexico	Timothy Boyle
Kent	Caleb	University of North Carolina - Chapel Hill	Thomas Meyer
Khnayzer	Rony	Bowling Green State University	Felix Castellano
Lilly	Cassandra	North Carolina State University	Elon Ison
Mann	Amanda	Indiana University	Sara Skrabalak
Matson	Ellen	Purdue University	Suzanne Bart
Millard	Matthew	University of California - San Diego	Joshua Figueroa
Mondloch	Joseph	Colorado State University	Richard Finke
Mukherjee	Shreya	University of Florida	George Christou
Olatunji-Ojo	Olayinka	University of North Texas	Thomas Cundari
Qian	Huifeng	Carnegie Mellon University	Rongchao Jin
Sarkar	Soumya	University of Florida	Adam Veige
Schulze	Benjamin	Friedrich-Schiller University, Jena	U. Schubert
Siladke	Nathan	University of California - Irvine	William Evans
Thompson	Corey	Florida State University	Michael Shatruk
Vaughn	Dimitri	Pennsylvania State University	Raymond Schaak
Yempally	Veeranna	University of Miami	Burjor Captain

## DIC Young Investigator Symposium



242nd ACS National Meeting & Exposition  
August 28-September 1, 2011, Denver, Colorado

## Divisions

Return to: [Divisions](#) -> [Sessions](#)

## INOR

Stephen Koch, Nora Radu

Sunday, August 28, 2011

**Oral**

Young Investigator Symposium - PM Session

Location: Colorado Convention Center

Room: 4D

Organizers: Francois Gabbai

Presiders: Francois Gabbai

Duration: 1:30 pm - 5:00 pm

Pres Time	Pub #	Presentation Title
1:30 pm		Introductory Remarks
1:35 pm	66	<a href="#">Oxygen evolution mediated by a cobalt-based thin-film electrocatalyst</a> Yogesh Surendranath, Daniel G Nocera
1:55 pm		Introductory Remarks
2:00 pm	67	<a href="#">Tuning the shape of semiconductor nanowires for advanced photovoltaics</a> Jia Zhu, Prof. Yi Cui
2:20 pm		Introductory Remarks
2:25 pm	68	<a href="#">Magnetic bistability in mononuclear iron(II) pyrrolide complexes and cyano-bridged chain compounds</a> T. David Harris, Danna E. Freedman, W. Hill Harman, Miriam V. Bennett, Claude Coulon, Henry Fong, Alicia Chang, Jeffrey D. Rinehart, Andrew Ozarowski, Moulay T. Sougrati, Bernande Grandjean, Gary J. Long, Rodolphe Clerac, Christopher J. Chang, Jeffrey R. Long
2:45 pm		Introductory Remarks
2:50 pm	69	<a href="#">Postsynthetic modification of metal-organic frameworks</a> Kristine K. Tanabe, Prof. Seth M. Cohen
3:10 pm		Intermission
3:20 pm		Introductory Remarks
3:25 pm	70	<a href="#">Reactivity of (<math>\alpha</math>-diimine)Pd<sup>+</sup> species with vinyl ethers</a> Dr Changle Chen, Shuji Luo, Richard Jordan
3:45 pm		Introductory Remarks
3:50 pm	71	<a href="#">Unique and unmatched coordination chemistry of boron-rich ligands</a> Alexander M Spokovny, Chad A Mirkin
4:10 pm		Introductory Remarks
4:15 pm	72	<a href="#">Metal-directed protein self-assembly</a> Eric N. Salgado, F. Akif Tezcan
4:35 pm		Introductory Remarks
4:40 pm	73	<a href="#">Multicomponent supramolecular chemistry: Dynamics, self-assembly, and functionality of multicomponent supramolecular systems</a> Mr Yaorong Zheng, Professor Peter J Stang PhD

## Message from Chair, François Gabbai



I would like to start my contribution to this newsletter by reflecting on the passing of Michelle Millar who was serving on the DIC executive committee as a program chair. Michelle passed away on February 13, 2011, a few weeks before the Spring Anaheim ACS meeting that she had worked very hard to organize. Michelle has been a central figure of the Inorganic Chemistry community for many years. Through her work as program chair, she set an unmatched standard of dedication and generosity. She was instrumental at balancing the thematic diversity of our INOR program, thus attesting to her far-reaching knowledge and understanding of the field. Michelle was also a proactive participant in the affairs of the division. Through this medium, she weighed in on a number of important decisions and was able to spread her positive influence on the community as whole. Ann Walker, my predecessor, paid homage to Michelle in a memorial speech delivered on Sunday, March 27, 2011 during the Anaheim ACS meeting. Michelle is survived by her husband Steve Koch who has courageously taken over her DIC program chair position.

I would like to thank Ann Walker, my predecessor, for her support and recommendations as I took on my Chair duties. Ann has been an outstanding leader for our division and it has been difficult to match her level of dedication. I would also like to thank everyone who volunteered to support the numerous activities of the DIC. We welcome Steve Koch who now serves with Nora Radu as one of the two program co-chairs. Steve and Nora have been instrumental in managing the hundreds of abstracts contributed to each ACS meeting. They have also been indefatigable in the support that they have provided to special symposia organizers. I applaud both of them for what might be one of the most demanding DIC positions. I also thank all of those who have helped Steve and Nora with some of their duties. By the same token, I welcome Ryan Richards which succeeds Stan Wong as nanoscience programming guru. I would also like to thank Ray Schaak for his years as program co-chairs (2009-2011) and welcome Stephanie Brock as his successor.

The community has kept our various students award program very active. We received many high quality applications for the 2011 Young Investigator Symposium award. I would like to congratulate the 8 winners and look forward to their presentations in Denver. In Anaheim, I had the honor of presiding over the Inorganic National Awards symposium and very much enjoyed the presentations (in chronological order) of Bob Cava (ACS Award in Inorganic Chemistry), Debra Rolison (ACS Award in the Chemistry of Materials), Chuck Casey (ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry), Greg Grant (ACS Award for Research at an Undergraduate Institution), Alan Balch (F. Albert Cotton Award in Synthetic Inorganic Chemistry) and Pete Wolczanski (ACS Award in Organometallic Chemistry).

Thanks to the hard work of the submitters, we now have a full schedule of special symposia for 2012 (see message from Program Chairs). Proposals for 2013 should be directed to the Chair-Elect Jeff Long.

To finish, I would like to encourage everyone to visit our website at [www.acsdic.org](http://www.acsdic.org) for up-to-date information on funding opportunities, awards and programming. I wish Jeff Long a fruitful few years of service on the DIC executive board and encourage you to contact him if you want to get involved.

## Message from Chair-Elect, Jeffrey Long



I am honored to be chair-elect of the division and look forward to an exciting year of service. I would like to thank our current chair, Francois Gabbai, for his dedicated leadership and also for the considerable time that he has spent mentoring me in my new role. It has been both instructive and daunting to witness his extraordinary competence. I look forward to learning more about my responsibilities and will do my best to pursue the initiatives launched by my predecessors. In particular, I hope to continue working to resolve some of the challenges faced by our division in the area of programming, and to further pursue the efforts of our recent chairs and committee members towards creation of a new national award for inorganic chemistry. Please let me know if you have suggestions for sponsors who may be able to assist the division with financing such an award.

I would also like to solicit proposals for symposia to be organized as part of the inorganic programming (INOR) at one of the 2013 national ACS meetings. If you would like to organize a symposium, please contact me by e-mail at [jrlong@berkeley.edu](mailto:jrlong@berkeley.edu). Complete guidelines for proposals can be found at <http://www.acsdic.org/symposium.htm>. Symposia approved by the DIC executive committee will be financially supported according to the following scheme: \$2000 will be allocated to each half-day session scheduled on Sunday, Monday, and Tuesday; \$2500 will be allocated to each half-day session scheduled on Wednesday. The DIC welcomes the organization of symposia in honor of ACS awardees but does not provide financial support for such symposia.

## Message from Treasurer, Kenneth Klabunde



The 2010-2011 years were very active with the National Meetings, several Regional Meetings, and Pacifichem, all requiring financial support. The large cost of the Pacifichem Meeting was mostly offset by numerous business and individual donations for symposia.

The level of the Division of the Inorganic Chemistry account hovers around \$400,000 with income and expenses nearly balanced each year. In 2010, we gained about \$20,000 overall.

The office of Treasurer will be filled by Seth Cohen of the University of California at San Diego, starting in August of 2011. Thank you all for your patience with me over the past three years, and good luck to Seth.

## Message from DIC Secretary, John Protasiewicz



By now you may have noticed a few changes to our newsletter. I hope you will appreciate the little more modern look. I would like to thank our former DIC Secretary Mike Scott for all of his past hard work and for his patience in bringing me up to speed in all of the aspects of this job. While you may occasionally receive emails from the DIC labeled as ACS Inorganic Division (divisionsecretary@acsdic.org), if you wish to contact me please use [protasiewicz@case.edu](mailto:protasiewicz@case.edu) as the former address is that used by our service provider and email sent to that address is not checked on a regular basis.

Members and nonmembers may find information and news from the Division of Inorganic Chemistry at the DIC website [www.ascdic.org](http://www.ascdic.org). Members are encouraged to maintain current e-mail addresses in their ACS profiles. These profiles are used to generate the regularly updated email lists that the Secretary receives from the ACS. Members may view and edit their ACS profiles by logging in at [www.chemistry.org](http://www.chemistry.org). Current division and subdivision memberships may also be confirmed in the member's profile at this site. The DIC email list is confidential, and is used only to convey DIC news, announce DIC elections, and to inform members of upcoming meetings, and award and funding opportunities. This email list will never be provided to third parties, such as commercial advertisers. DIC members may belong to one or more DIC subdivisions (at no additional cost). **One must be a subdivision member to vote in subdivision elections.** Subdivision membership can be changed or specified by calling the ACS at 800-333-9511, or by emailing the ACS at [service@acs.org](mailto:service@acs.org), with a request that the appropriate subdivision code(s) be added to one's membership record. All such requests must be accompanied by a membership number. The codes for the subdivisions are:

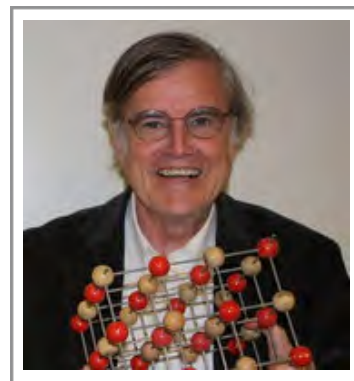
**Bioinorganic I17, Nanoscience J17, Organometallic H17, Solid State and Materials G17**

Finally, the blue books of meeting abstracts are no longer mailed. Instead, DIC members may obtain meeting abstracts by logging in at [www.chemistry.org](http://www.chemistry.org), and following the links "Inorganic Chemistry" and then "Abstract Separates" links near the middle of the corresponding webpages.



**Message from Programs Chairs, Nora Radu & Steve Koch**

For the past few ACS meetings, we have been making available the schedule with the list of talks and posters on the DIC website: <http://www.acsdic.org/inorprog.htm>. The list is available soon after the program get finalized which should help members make travel plans. We are not able to make changes in this schedule. This schedule is later updated to include the Convention Center rooms. The list is in the compact format which used to



be published in C&E News. The abstracts for all the Inorganic Division talks are also put online when they become available.

Stan Wong will be finishing his important service as a program assistant who has organizes the Nanoscience oral and poster sessions for the last three years. Nanoscience and Organometallics have the largest number of contributed sessions. Stan is being replaced by Ryan Richards. Thanks to Stan and also to Bernadette Donovan-Merkert for her past service for the Electrochemistry sessions. Other program assistants include Debbie Crans (Coordination Chemistry), Brett Lucht (Electrochemistry), Ana De Bettencourt Dias (Lanthanide and Actinide Chemistry), Claus Lugmair (Chemistry of Materials), and Silvia Ronco (Inorganic Spectroscopy). If you have any suggestions regarding the various sessions, please contact the program co-chairs or any of the program assistants.

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**Fall ACS meeting Denver, CO August 28-September 1, 2011. Program Co-chairs: Nora Radu, [Nora.S.Radu@usa.dupont.com](mailto:Nora.S.Radu@usa.dupont.com) and Stephen Koch, [Stephen.koch@sunysb.edu](mailto:Stephen.koch@sunysb.edu)**

The Inorganic division's technical program will consist of the following special symposia:

**Towards Earth Abundant Solar Photocatalysis** - organized by Mathew Shores, Neils Dumrauer and Anthony Rappe.

**Materials Chemistry for Solar Energy Capture** - organized by Jeffrey M. Pietryga and John Papanikolas.

**Fifty Years of Inorganic Chemistry - A Celebration of Past, Present and Future** – organized by Richard Eisenberg.

**Frontiers in C-H Activation and Functionalization** - organized by Brent Gunnoe and Suzanne Golisz.

**ExxonMobil Solid State Chemistry Faculty Fellow Award: Symposium in Honor of Amy L. Prieto** - organized by Kyoung-Shin Choi.

**Inorganic Nanoscience Award: Symposium in Honor of Catherine J. Murphy** - organized by Ryan Richards.

**Young Investigator Symposium** - organized by François Gabbai.

**Poster Sessions:** Sunday, Tuesday, and Wednesday evenings. In an attempt to increase attendance, **the Poster Sessions are now at 6-8PM**. SciMix is Monday evening from 8-10PM. There are no Inorganic sessions on Thursday.

**Message from Programs Chairs, Nora Radu & Steve Koch (continued)**

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**Spring ACS meeting San Diego, CA March 25-29, 2012. Program Co-chairs: Stephen Koch, [Stephen.koch@sunysb.edu](mailto:Stephen.koch@sunysb.edu) and Nora Radu, [Nora.S.Radu@usa.dupont.com](mailto:Nora.S.Radu@usa.dupont.com)**

The Inorganic Division will include Special Symposia:

**Emerging Developments in Nanomaterials for Energy Applications**, organizers: Jeffrey Pietryga ([pietryga@lanl.gov](mailto:pietryga@lanl.gov)) and Mercouri Kanatzidis ([m-kanatzidis@northwestern.edu](mailto:m-kanatzidis@northwestern.edu))

**Undergraduate Research at the Frontiers of Inorganic Chemistry**, organizers: Barbara Reisner ([reisneba@jmu.edu](mailto:reisneba@jmu.edu)) and Joanne Stewart ([stewart@hope.edu](mailto:stewart@hope.edu))

**Sustainable Inorganic Chemistry**, organizers: Christian Mehnert ([christian.p.mehnert@exxonmobil.com](mailto:christian.p.mehnert@exxonmobil.com)) Istvan Horvath ([istvan.t.horvath@cityu.edu.hk](mailto:istvan.t.horvath@cityu.edu.hk)) and Robert Eagling ([EaglingR@rsc.org](mailto:EaglingR@rsc.org))

**Chemical Interactions of Metal-related Therapeutic Drugs**, organizers: Claudio Verani ([cnverani@chem.wayne.edu](mailto:cnverani@chem.wayne.edu)) and Mi Hee Lim ([mhlim@umich.edu](mailto:mhlim@umich.edu))

**Nanostructured Electronic Materials**, organizers: Gregory Girolami ([girolami@scs.illinois.edu](mailto:girolami@scs.illinois.edu)) and Lisa McElwee-White ([lmwhite@chem.ufl.edu](mailto:lmwhite@chem.ufl.edu))

There will also be symposia to honor the winners of the ACS Award in Inorganic Chemistry, the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry, the ACS Award in Organometallic Chemistry, and the F.A. Cotton Award in Synthetic Chemistry and other ACS National Awards won by division members.

**Abstracts can be submitted starting on August 22, 2011 until the October 24, 2011 (11PM central time) deadline.** There are several new symposia for contributed talks and posters including sessions on **Environmental and Energy Related Inorganic Chemistry**. Take care to be sure that you choose the right symposium (oral vs poster) for your abstract and that you have actually submitted the abstract. The ACS is now sending an email when your abstract is submitted.

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**Fall ACS meeting Philadelphia, PA August 19-August 23, 2011. Program Co-chairs: Nora Radu, [Nora.S.Radu@usa.dupont.com](mailto:Nora.S.Radu@usa.dupont.com) and Stephen Koch, [Stephen.koch@sunysb.edu](mailto:Stephen.koch@sunysb.edu)**

**Biochalcogen chemistry: The biological chemistry of sulfur, selenium and tellurium** Organizers: Craig A. Bayse (Old Dominion University) and Julia L. Brumaghim (Clemson University)

**Progress and Challenges in Crystal Growth, Design and Characterization of Materials** Organizers: Dr. Jennifer Aitken (Duquesne University), Dr. Julia Chan (Louisiana State University)

**Advanced Metal Nanostructures for Catalysis** Organizers: Sara E. Skrabalak (Indiana)/Marc R. Knecht (Kentucky)

**N-Heterocyclic Carbenes in Catalysis** Organizer: Catherine S J Cazin (St Andrews)

**The 2012 Organometallics Symposium** Organizer: John Gladysz (Texas A&M)

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**Message from Programs Chairs, Nora Radu & Steve Koch (continued)**

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We wish to thank the members who served as moderators (session chairs) at the 2011 Anaheim ACS Meeting: Allen Apblett, John Bass, Miriam Bennett, John Berry, Janet Bluemel, Timothy Boyle, Christopher Bradley, Kara Bren, Stephanie Brock, Richard Brutchey, Xianhui Bu, Vincent Catalano, Thomas Cole, Christopher Cummins, Peter Dorhout, Eric Enemark, Albert Epshteyn, William Evans, Jordan Fantini, Pingyun Feng, Joshua Figueroa, Frederic Fontaine, Edward Foos, Francois Gabbai, Debraj Ghosh, Juli Gibbs-Davis, Michael Hall, Jerry Harris, Eric Hegg, Monte Helm, Bernadette Hernandez-Sanchez, Eva Hevia, Alan Heyduk, Jennifer Hollingsworth, Stephen Holmes, Russell Hughes, Catherine Hunt, Simona Hunyadi Murph, Timothy Jackson, Susan Kauzlarich, Peter Khalifah, Stephen Koch, Clark Landis, Heinrich Lang, Jeffrey Long, Olga Lopez-Acevedo, Justin Lytle, Andrew Maverick, Tyrel McQueen, Edward Merino, Stephen Mills, Doinita Neiner, Bruce Noll, Diane Nutbrown, Jonathan Owen, So Jung Park, Jonas Peters, Philip Power, John Protasiewicz, Daniel Rabinovich, Nora Radu, Balasubramanian Ramjee, Charles Riordan, Edward Rosenberg, Joseph Sabol, Raymond Schaak, Yann Schrodi, Elena Shevchenko, Sheila Smith, Shannon Stahl, George Stanley, Joanne Stewart, Robert Stockland, Joseph Tanski, Daniela Tapu, Christine Thomas, Adam Veige, Alejandro Vila, Justin Walensky, F. Ann Walker, Lori Watson, Stanislaus Wong, Jeffrey Yoder, Charles Young, Tingying Zeng, Qifeng Zhang, Zhiping Zheng, Jeffrey Zink, Hans Zur Loye.

**Volunteers are always welcome and their help is greatly appreciated!**

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**Recorded Talks at ACS meetings**

The ACS is now recording selective talks at National Meetings and making them available on the web. They are first made available to those who attended the meetings and later to the public. The recordings only include the audio and the PowerPoint slides. This is a very useful for ACS members who could not go to the meeting and for attendees who had to choose between concurrent talks. There was a very large number of Inorganic Division talks recorded at the Anaheim meeting including most of the addresses by the ACS National Award winners. The talks are available at <http://www.softconference.com/ACSchem/slist.asp?C=4321>

**Message from Membership Chair, Zi-Ling (Ben) Xue**

Our division remains strong with one of largest memberships in ACS.

I encourage you to help recruit members to the division and would like to thank those who have done so. Benefits for DIC members include access to meeting abstracts, eligibility for division awards, participation in DIC elections, and opportunities to join four DIC subdivisions (Organometallic, Bioinorganic, Solid-State and Materials, and Nanoscience) at no additional cost. Details are at the DIC website: <http://www.acsdic.org>. All first-time ACS members are offered free DIC membership for one year. One may either apply online or by mail or Fax. Details are at the ACS website: <http://portal.acs.org/portal/acs/corg/content>. Please contact me for any questions.

DIC Young Investigator Symposium and Student Travel Award Program are two particular awards for DIC members (<http://www.acsdic.org/awards.htm>). The Symposium is an annual event at the Fall ACS national meetings and requires nominations. “The candidates must be enrolled as graduate students or hold positions as postdoctoral fellows (academia, industry or government lab), and be no more than one year beyond completion of the Ph.D. at the time of the nomination.” “There will be a total of 8 speakers, and each will give a 30-minute presentation. The DIC will provide a \$1000 honorarium for each speaker and a plaque to commemorate her/his participation in the event.”

The Student Travel Award is a semiannual program. The awards (up to \$800 per individual) support both undergraduate and graduate students to present research talks or posters at Spring and Fall ACS National Meetings.

The DIC Undergraduate Award in Inorganic Chemistry is a recent award that recognizes “achievement by undergraduate students in inorganic chemistry and to encourage further study in the field. Every ACS Certified Department is eligible to nominate one student for this award.” For the 2010 recipients, see <http://www.acsdic.org/undergrad.htm>

**Message from Membership Chair, Zi-Ling (Ben) Xue (continued)****MEETINGS AND SYMPOSIA: Thematic Programming at ACS National Meetings**

As many of you may know, there is now a theme at each ACS National Meeting. Themes for the ACS National Meetings in 2012 and 2013 are listed below. If you plan to organize DIC symposia at these meetings, you might consider these themes in your planning.

**Future Thematic Programming at ACS National Meetings**

<i>Meetings</i>	<i>Themes</i>	<i>Organizer</i>
Spring 2012 San Diego	<b>Chemistry of Life</b> (Biomimetics, Synthetic Biology, Systems Biology, Cell Biology, Molecular Transport through Cell Membranes, Chemical Signaling in Biological Systems, Neurochemistry, Metabolomics)	Dr. Peter Senter Seattle Genetics 425-527-4710 (phone) 425-527-4711 (fax) <a href="mailto:psenter@seagen.com">psenter@seagen.com</a>
Fall 2012 Philadelphia	<b>Materials for Health and Medicine</b> (Biological Systems and Drug Discovery, Drug Delivery Vehicles, Nutrition and Health, Rational and Combinatorial Drug Design Methods, Nanomedicine, Nutrition and Health, Polymeric Materials for Medical Applications)	To be announced
Spring 2013 New Orleans	<b>Chemistry of Energy and Food</b>	Prof. James N. Seiber Univ. of California, Davis 530-752-2490 (phone) 530-752-1465 (fax) <a href="mailto:jnseiber@ucdavis.edu">jnseiber@ucdavis.edu</a>
Fall, 2013 Indianapolis	<b>Chemistry in Motion</b>	Prof. Robert A. Weiss University of Akron 330-972-2581 (phone) 330-258-2339 (fax) <a href="mailto:rweiss@uakron.edu">rweiss@uakron.edu</a>

## News from the Organometallic Subdivision-Dennis L. Lichtenberger



Organometallic chemistry has seen much activity recently and seems to be gaining strength in numbers and impact. The Organometallic Subdivision, with 1362 members, is the largest subdivision in the Division of Inorganic chemistry.

The Gordon Conference on Organometallic Chemistry, one of the conferences sponsored this year by the Division of Inorganic Chemistry, took place at Salve Regina University in Newport, Rhode Island July 10-15, 2011. This meeting received more applications than could be accommodated and regrettably many were turned away. The meeting showed tremendous vitality in the field.

Similarly, the XIX EuChemS Conference on Organometallic Chemistry, held in Toulouse July 3-7 2011, was oversubscribed. Rinaldo Poli reports that the conference typically attracts 250-400 participants, for which they were prepared, but they had to close pre-registrations early when they already had more than 750 preregistrations! As Rinaldo said, "indeed organometallic chemistry is a lively discipline".

At the Fall 2011 ACS meeting (Denver) the ACS journal *Organometallics* will host a panel discussion, the "*Organometallics* Roundtable". In a follow-up to a special issue on the "Future of Organometallic Chemistry" (January 2011), the panelists will analyze and debate directions and trends for the field. An edited transcript will be published before the end of the year.

For the Fall 2012 ACS meeting (Philadelphia) the Editors of the ACS journal *Organometallics* will organize a special symposium. The program will consist largely of younger principal investigators who have published their first papers in *Organometallics* during the previous four years. DIC members near the beginnings of their academic or industrial careers and who have not yet published in *Organometallics* may wish to consider this opportunity. Finally, *Organometallics* now publishes cover graphics, and authors are invited to submit proposals with their manuscripts.

## News from the Bioinorganic Subdivision-Debbie Crans



The Bioinorganic Division is hosting both organized and contributed programming at the Denver ACS meeting. In addition, organization of symposia for the upcoming year is being planned including a symposium on "Mechanistic studies on Metals in Medicine" at the 2012.

A number of Bioinorganic chemists nominated by INOR join the ranks of ACS Fellows including F. Ann Walker, Joan S. Valentine and Thomas J. Meade. Other bioinorganic chemists that were selected as 2011 fellows were Stephen Lippard, Lawrence Que, and Judith Klinman.

## News from the Solid State Subdivision-Kyoung-Shin Choi



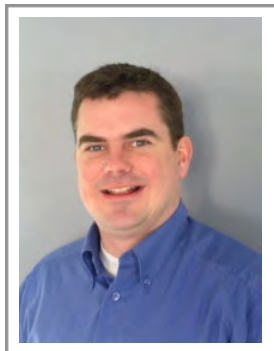
Amy Prieto, an Assistant Professor in the Department of Chemistry at Colorado State University, will receive the 2011 ExxonMobil Solid State Chemistry Faculty Fellowship at the ACS National Meeting in Denver in August of 2011. The award, administered by the ACS Division of Inorganic Chemistry, is made possible by generous support from the ExxonMobil Foundation, and recognizes significant contributions to solid state chemistry by an untenured faculty member at a U.S. institution.

Prieto received her B.A. degree in Chemistry and Philosophy from Williams College in 1996, and her Ph.D. with Prof. Angelica Stacy from the University of California, Berkeley in 2001. She then went on to do postdoctoral research at Harvard University under the direction of Prof. Hongkun Park. In 2005, Prieto began her independent academic career as an Assistant Professor in Chemistry at Colorado State University.

Prieto has established a broad research program focused on developing synthetic methods for nanoscale materials with applications in renewable energy. Her group combines the synthesis of high quality materials with the incorporation of those materials into functional devices as a route toward understanding physical properties and further optimizing the synthetic methods used. Her accomplishments range from developing injection methods for the synthesis of nanoparticles of earth abundant, non-toxic elements for applications in photovoltaics, to developing direct electrodeposition methods from aqueous solutions for the synthesis of anode materials for high power density Li-ion batteries. She is currently working on increasing the efficiency of transport properties in nanoparticle thin films and in successfully incorporating the anode materials developed in her group into three-dimensional, interdigitated batteries.

Colleagues describe Prieto as a highly creative and insightful researcher who works on complex research problems with truly original yet fundamentally sound approaches. She is also known as an outstanding teacher and mentor with the combination of dedication, great attitude, and intellectual ability.

## News from the Nanoscience Subdivision-Ryan Richards



Catherine J. Murphy, the Peter C. and Gretchen Miller Markunas Professor of Chemistry at the University of Illinois at Urbana-Champaign, is the winner of the 2011 Inorganic Nanoscience Award, presented by the ACS Division of Inorganic Chemistry to honor excellent research. The award is sponsored by the University of South Carolina NanoCenter. Murphy's lab is most known for its work in the synthesis, surface chemistry, and optical applications of gold nanorods. Murphy has pioneered

molecular-level understanding of the biological effects of these nanomaterials, with collaborative experiments that cross the boundaries of chemistry, cell biology, mechanical engineering, and aquatic ecology.

Murphy will receive the award, which consists of a plaque and \$3,000, at the ACS national meeting in Denver in August.

**Inorganic Nanoscience Award  
To Catherine J. Murphy**



The Nanoscience subdivision encourages participation in and organization of nano-themed symposia. In particular, the subdivision is in constant need of new ideas and people to continue providing exciting and relevant symposia. The quality of our sessions is integral to the sustainability of our subdivision and attracting new members.



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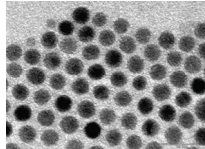
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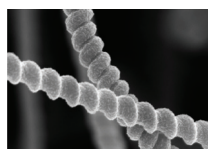
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<p>Zi-Ling (Ben) Xue          Department of Chemistry          416 Buehler Hall          University of Tennessee          Knoxville, TN 37996          Ph: 865-974-3443          Email: <a href="mailto:xue@utk.edu">xue@utk.edu</a></p>
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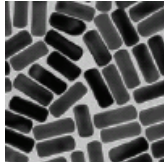
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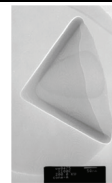
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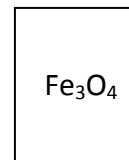
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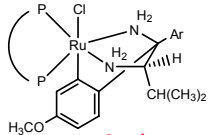


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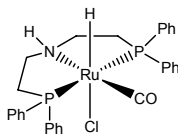


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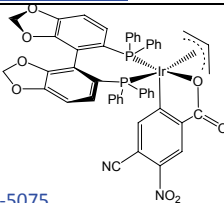
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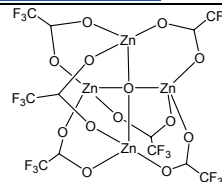
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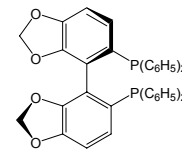
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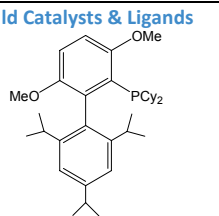


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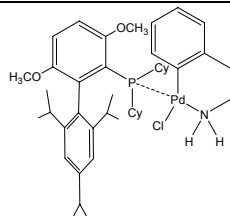


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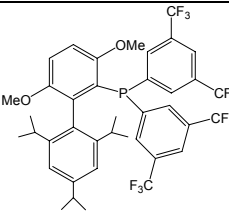
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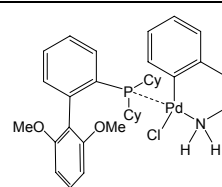
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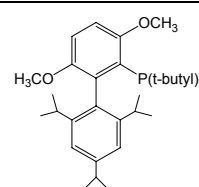
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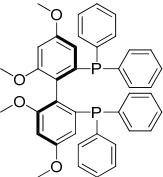


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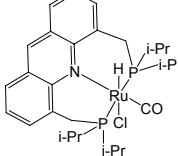


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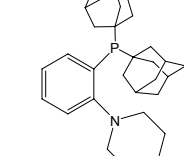
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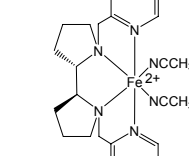
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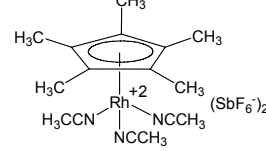
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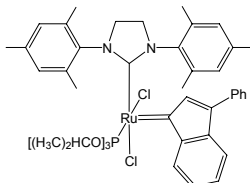
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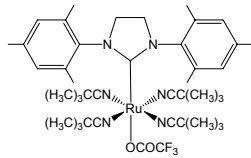
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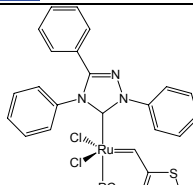
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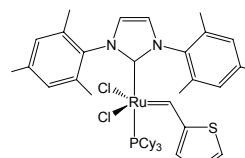
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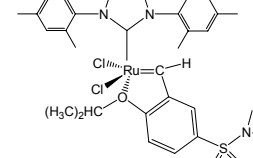
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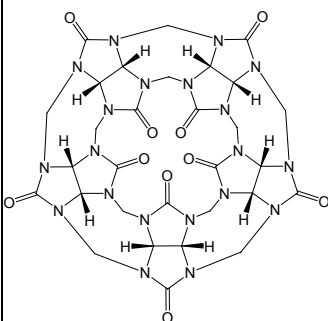


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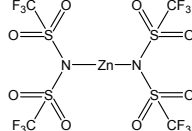


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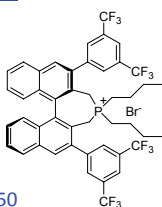
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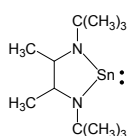


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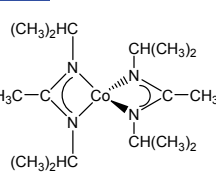


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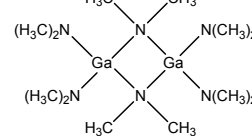
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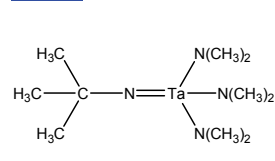
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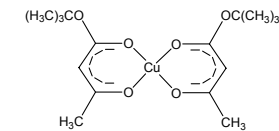
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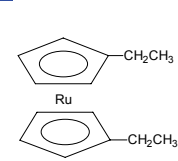
31-2030



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## ABOUT THE ACS DIC

The Division of Inorganic Chemistry represents a diverse body of scientists who come together to understand and promote the richness of the chemistry of the elements. Molecular biologists, materials scientists, and many types of chemists are members of this division. Due to the diversity of interests among our members, four subdivisions are available for membership in addition to the general membership in the Division.

The Division has several responsibilities: the development and coordination of programming of interest to our members at national meetings; continuing improvement in the education of current and future chemists in the beauty of inorganic chemistry and the value of chemistry in general; representation of our members' interests to the ACS through the election of Councilors and other positions; and maintaining the fiscal health of the Division to support all other activities. The Division usually has one of the largest technical programs at the national meetings.

The goals of the ACS Division of Inorganic Chemistry:

1. To advance the science of Inorganic Chemistry.
2. To provide an organization within which close contact among chemists interested in Inorganic Chemistry can be maintained.
3. To arrange programs dealing with Inorganic Chemistry for the National Meetings of the ACS.
4. To organize and conduct symposia on special topics in Inorganic Chemistry at times and places designated by the Executive Committee of the DIC.
5. To promote the teaching of Inorganic Chemistry at both the undergraduate and graduate levels.

*Selected areas of chemistry in which the Division's activities are focused:*

- **Organometallic Chemistry.** Includes the synthesis, characterization, and reactivity of main group, transition metal, and rare earth organometallic compounds, and the applications of such compounds in organic synthesis, inorganic synthesis, and catalysis.
- **Bioinorganic Chemistry.** Includes all aspects of the chemistry of the metallic elements and small inorganic molecules in biological systems.
- **Solid-State and Materials Chemistry.** Includes the synthesis, characterization, and physical and chemical properties of solids that contain metallic and/or main group elements.
- **Coordination Chemistry.** Includes the synthesis, characterization, and physical and chemical properties of classical coordination compounds.
- **Nanoscience.** Includes the synthesis, characterization, and physical and chemical properties of nanostructured materials (inorganic nanocrystals, inorganic-organic hybrid materials etc.).

*Prepared by John Protasiewicz, Secretary, ACS-DIC*