



American Chemical Society  
**Division of Inorganic Chemistry**

DIC Website: [www.acsdic.org](http://www.acsdic.org)

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***Spring/Summer Newsletter – 2010***

**Prepared by Michael J. Scott, Secretary**

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## 1. NOMINATIONS ARE SOUGHT FOR THE 2010 ELECTION

In the Fall 2010 DIC election, which will be held in November 2010, the following offices will be filled:

- CHAIR-ELECT
- TREASURER-ELECT
- CHAIR-ELECT, BIOINORGANIC SUBDIVISION
- CHAIR-ELECT, NANOSCIENCE SUBDIVISION
- CHAIR-ELECT, ORGANOMETALLIC SUBDIVISION
- CHAIR-ELECT, SOLID STATE SUBDIVISION
- EXECUTIVE COMMITTEE MEMBER AT LARGE
- COUNCILOR (2) (1 industry liaison, 1 regular)
- ALTERNATE COUNCILOR (2)

## 2. MESSAGE FROM THE CHAIR – Ann Walker

I would like to thank the past Chair, Susan Kauzlarich for her outstanding leadership, and as I start my year as the current chair, I want to thank everyone who was willing to run for an office of the DIC and serve on the Executive Committee this year and next. We have a broad participation in ACS governance, and the Division provides many important services to our inorganic community; your willingness to donate your time for this service is greatly appreciated. I enjoyed my first duty as Division Chair at the spring 2010 ACS meeting in San Francisco, where I ran both the Executive Committee meeting and the Inorganic National Awards symposium. It was an outstanding program, with six National Award winners and the winner of the Fresenius Award. It was extremely well attended.

With the current economy, we are receiving a large number of requests for funding of non-ACS symposia and other meetings. We have now instituted a process for requesting funding, and will consider requests twice per year, at our Executive Committee meetings at the spring and fall ACS National Meetings. The format can be found online at the DIC website: [www.acsdic.org/funding.htm](http://www.acsdic.org/funding.htm), and is due March 1 or August 1 for consideration at the Spring or Fall Executive Committee meeting, respectively. **Late applications will not be considered.**

I thank those of you who nominated candidates for the Young Investigator Award. This year's group was extremely impressive with highly competitive candidates and outstanding letters of recommendation. We hope that you will all come to the symposium in Boston. The eight winners and the titles of their talks are listed below.

We have several other awards for the fall 2010 ACS meeting in Boston, and the division has been extremely active this year, as you will see from later pages in the Newsletter.

Bernadette Donovan-Merkert was Program Chair for the spring ACS meeting in San Francisco and joining on as Program Chair in 2010 is Michelle Millar, SUNY Stony Brook, and she is the fall 2010 Program Chair. Donna Nelson (Oklahoma) is running the Nanoscience Award Symposium at the Boston meeting, and we thank her for her contributions to that part of the program. Also, Stan Wong is running a special Nanoscience symposium at the Boston meeting which features speakers from smaller universities and predominantly undergraduate institutions, which is supported by a grant which he obtained from the program ACS Innovative Projects for Divisional Enhancement. A complete list of upcoming Inorganic Symposia at the Boston (Fall 2010) and Anaheim (Spring 2011) ACS meetings can be found in Section 8 of this newsletter. I encourage you to consider organizing a symposium for a future ACS meeting, and to consider this particular program as one possible source of funding. Please send your suggestions, along with the meeting that you would prefer, to our Chair-Elect, François Gabbai (Texas A&M: [gabbai@mail.chem.tamu.edu](mailto:gabbai@mail.chem.tamu.edu)).

Speaking of François, he has been extremely active already in his role as Chair-Elect of the DIC! Among the initiatives he has already begun are redesigning our DIC website, and you can see the results by going to [www.ascdic.org](http://www.ascdic.org)! In addition, he is working on a possible new inorganic award (as he mentions below), and he currently has an *ad hoc* committee busily working on a slate of nominees to run for DIC offices for 2011. We are always looking for people willing to run for the offices of the Executive Committee, for the election that occurs each fall toward the end of October/beginning of November: Please feel free to email our chair-elect, François Gabbai (Texas A&M: [gabbai@mail.chem.tamu.edu](mailto:gabbai@mail.chem.tamu.edu)), with suggestions of possible candidates (our needs are listed under item 1 above).

I am busily working on an exciting year as your Chair, working together with the Executive Committee, to be of service to the inorganic community.

### 3. MESSAGE FROM THE CHAIR-ELECT – François Gabbai

I am honored to be chair-elect of the division and look forward to an exciting year of service. I would like to extend my gratitude to our current chair, Ann Walker, for the time that she has spent mentoring me in my new role. I look forward to learning more about my new responsibilities and will do my very best to pursue some of the exciting initiatives launched by my predecessors. I am determined to help resolve some of the new challenges faced by our division in the area of programming and caused by a growing number of submissions. I would also like to further explore the role that our division could play in the creation of new national inorganic awards. In this area, I would like to acknowledge the efforts of my two predecessors Susan Kauzlarich and Ann Walker as well as Malcolm Chisholm.

I would also like to solicit suggestions for symposia to be organized as part of the inorganic programming (INOR) at one of the 2012 national ACS meetings. If you would like to suggest the organization of such a symposium, please contact me by email ([gabbai@mail.chem.tamu.edu](mailto:gabbai@mail.chem.tamu.edu)) with your suggestions. Please make sure to include: 1) The topic of the symposium; 2) The organizer(s) along with pertinent contact details; 3) The meeting at which you would like the symposium to be held. 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.

### 4. MESSAGE FROM THE SECRETARY – Mike Scott

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.

**5. MESSAGE FROM THE TREASURER – Ken Klabunde**

The Division of Inorganic Chemistry remains financially healthy. As of June 4, 2010, the bank balance was \$337,795.76. In January, the balance was \$354,896. From January-June, the number of checks written has been about 60. In April, the ACS membership deposit was \$97,375, down from \$99,210 in 2009. Other contributions have been from various Foundations, other Divisions, Government Labs, individuals.

All tax documents and other reports have been submitted without issues or problems. We look forward to another good year where the Inorganic Division continues to support symposia and numerous awards. We also look forward to the PacificChem meeting in December of 2010, where numerous symposia are already planned, and with Inorganic Support.

I. Regarding dues for the Division:

- (1) Regular members of the Inorganic Division, first year free, after that \$12/year.
- (2) Students, first year free, after that, \$6/year.
- (3) Emeritus members, free.
- (4) Affiliate Members (non-ACS members), \$14/year.

We do not distinguish between student and student affiliate members. We will hold these dues the same for 2010.

II. Proposal that the Executive Committee passed at the Washington DC meeting.

Reimbursement for Travel of Certain Officers:

Although it is expected that officers will seek travel funds from other sources as appropriate, the Division of Inorganic Chemistry will fund the following officers as noted below:

- (1) Chair, fully
- (2) Chair-Elect, up to \$1000
- (3) Program Chairs, fully
- (4) Treasurer, fully
- (5) Secretary, fully
- (6) Membership Committee Chair, up to \$1000
- (7) DIC Award Co-Chairs, up to \$1000 each
- (8) Sub-Division Chairs, up to \$1000

Note: Under certain circumstances, the Chair-Elect may receive additional travel funds, if required. Also, the checks for the Treasurer's reimbursement will be signed by the Chair of the Division.

**6. NEWS FROM THE BIOINORGANIC SUBDIVISION – Kara L. Bren**

Our subdivision is working to promote research and education at the interface between inorganic and biological chemistry. To support this effort, subdivision members are encouraged to submit proposals for symposia at future ACS meetings. Symposia greatly contribute to the vitality of meetings

and stimulate interactions. For information on application procedure, please visit <http://www.acsdic.org/symposium.htm>.

The Bioinorganic Subdivision nominated Vincent Pecoraro for the American Chemical Society fellow, and we are happy to report that he has been selected as one of the ACS 2010 fellows.

The Metals in Medicine Gordon Conference, one of the conferences that was sponsored by the Division of Inorganic Chemistry, took place in Andover New Hampshire June 27-July 2, 2010, and had 135 participants. This meeting typically is sponsored by inorganic chemists working at the interface of Inorganic Chemistry and Medicine, and a range of disciplines presented their work. This conference hosted a Young investigator session, where students and postdoctoral fellows, young investigators and newer projects ongoing in industry presented their work. The next of these meetings will presumably take place 2012.

DIC members are encouraged to support inorganic and bioinorganic chemistry by helping the Division identify scientists willing to participate in the National Institutes of Health's peer review process by serving as study section members. Volunteers from the DIC will help increase the representation of expertise in the area of inorganic and bioinorganic chemistry on NIH study sections. Experienced scientists who have received major peer-reviewed research support from NIH or a similar agency and are willing to serve are asked to contact Kara Bren ([bren@chem.rochester.edu](mailto:bren@chem.rochester.edu)) for further information.

## 7. NEWS FROM THE SOLID-STATE SUBDIVISION – Stephanie L. Brock

The Solid State and Materials Chemistry Subdivision is pleased to announce the recipient of the 2010 ExxonMobil Solid State Chemistry Faculty Fellowship is Prof. Sarbajit Banerjee from SUNY Buffalo. He is the 31st awardee of this Fellowship and he will be honored at an award symposium at the upcoming ACS Meeting in Boston.

In addition to the ExxonMobil Award Symposium, a special symposium on *Inorganic Chemistry: Electrochemistry and Battery Applications* will be of interest to the community. The DIC Young Investigator Symposium will also include the work of several outstanding young investigators that is of interest to solid state and materials chemists.

The call for nominations for the 2011 ExxonMobil Faculty Fellowship in Solid State Chemistry will be this September, with a nomination deadline of January 15<sup>th</sup>. Inquiries about the 2011 competition can be directed to the subdivision chair-elect, Kyoung-Shin Choi ([kchoi1@purdue.edu](mailto:kchoi1@purdue.edu)).

## 8. MESSAGE FROM THE PROGRAM CHAIRS – Bernadette Donovan-Merkert and Michelle Millar

***Boston ACS meeting. August 21-25<sup>th</sup>:***  
Special Symposia:

**Commemoration of the Founding of the ACS Journal Organometallics** (Sunday PM to Tuesday PM); organizer: Dennis Lichtenberger. Speakers: Schrock, Roesky, Lappert, Tiley, Jutzi, Escudie, Eisenstein, Brookhart, Bercaw, Hartwig, Rosenthal, Xie, Mindiola, Yam, Piers, Bullock, Carmona, Iwasawa, Jones, Robinson, van Koten, Schafer, Arnold, Kiplinger, Jones, Erker, Casey, Lang, Stevens, Green.

**Ligand Design and Metal Behavior** (Monday PM to Wednesday AM): organizers: Linda Doerrer, Stephen Koch, and Michelle Millar. Speakers: Schrock, Betley, Holland, Tolman, Rakowski-DuBois, Borovik, Berreau, Agrapie, Mindiola, Meyer, Raymond, Peters, Collins, Reger, DuBois, Stanley, Karlin, Holm, Koch, Que, Lavoie, Papish, Lippard, Doerrer, Nocera, Millar

**Inorganic Materials: Electrochemistry and Battery Applications** (Monday AM to Tuesday AM); organizers: Amy Marschilok, Esther Takeuchi, and Kenneth Takeuchi. Speakers: Takeuchi, Chiang, Whitacre, Van der Ven, Riley, Takeuchi, Manthiram, Amatucci, Doeff, Poeppelmeier, Zhu, Marschilok, Rolison, Prieto, Dudney, Gasteiger.

**Luminescence and Magnetism of Lanthanide-Containing Materials** (Monday AM to Monday PM); organizers: Ana De Bettencourt Dias, Christopher Cahill. Speakers: Morrow, Bobev, Faulkner, Muller, Lin, Shelton, He, Raymond, Caravan, Comby, Pope, Landry, Stanley, Echevoyern, Somarajan.

**Young Investigator Symposium** (Sunday PM); organizer Ann Walker.

**ACS Inorganic Nanoscience Award: Symposium in Honor of Frank Osterloh** (Tuesday AM); organizer: Donna Nelson. Speakers: Osterloh, Mallouk, Long, Zhang, Buhro.

**ExxonMobil Solid State Chemistry Faculty Fellow Award. Symposium in Honor of Sarbajit Banerjee** (Tuesday PM); organizer: Stephanie Brock. Speakers: Banerjee, Whittingham, Wong, Grey, Herman, Abruna.

**Poster Sessions:** Sunday, Tuesday, and Wednesday evenings. SciMix Monday evening. There are no Inorganic sessions on Thursday.

### **Recorded Talks at ACS meetings**

As an experiment, the ACS has started to record selective talks at National Meetings and make 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 San Francisco meeting. The talks are available at <http://www.softconference.com/acschem/am.asp> Talks are only recorded after obtaining the written permission of the speaker before the meeting. The recording is done in an unobtrusive manner.

**Spring ACS meeting Anaheim, CA; March 27-31, 2011, Program Co-chairs: Michelle Millar, [michelle.millar@sunysb.edu](mailto:michelle.millar@sunysb.edu) ; Nora Radu, [Nora.S.Radu@usa.dupont.com](mailto:Nora.S.Radu@usa.dupont.com).**

The Inorganic Division will include Special Symposia:

"Magnetic Spectroscopic Approaches to the Study of Metals in Biology", organizers: Mario Rivera ([mriviera@ku.edu](mailto:mriviera@ku.edu)) and Partha Basu ([basu@duq.edu](mailto:basu@duq.edu))

"Recent Advances in Structural Main Group and Organometallic Chemistry", organizers: Josh Figueroa ([jsfig@ucsd.edu](mailto:jsfig@ucsd.edu)) and Charles Riordan ([riordan@udel.edu](mailto:riordan@udel.edu)).

"Undergraduate Research at the Frontiers of Inorganic Chemistry", organizers: Lori Watson ([watsolo@earlham.edu](mailto:watsolo@earlham.edu)) and Sheila Smith ([sheilars@umd.umich.edu](mailto:sheilars@umd.umich.edu)).

"Heme Modification, Transport and Regulation", organizers: Eric Hegg ([EricHegg@msu.edu](mailto:EricHegg@msu.edu)) and Kara Bren ([bren@chem.rochester.edu](mailto:bren@chem.rochester.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 23, 2010 until the October 25, 2010 deadline.** There are several new symposia for contributed talks and posters. 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.

## 9. MESSAGE FROM THE MEMBERSHIP CHAIR – Zi-Ling (Ben) Xue

Division of Inorganic Chemistry (DIC) remains a strong division. Please encourage your colleagues and students to join DIC. Chemists who are not ACS members may become DIC affiliate members. The first year of membership is free, and one may belong to one or more DIC subdivisions (at no additional cost). Membership in a subdivision is required to vote in subdivision elections and applicants for the DIC student travel awards are also required to be DIC members. It is also easy to add DIC membership to a current ACS membership. If the person is registering to be an ACS member for the first time, he/she can join the Division by signing on the ACS membership form or do so online at [www.acs.org](http://www.acs.org).

DIC Young Investigator Symposium and Student Travel Award Program are two particular awards for DIC members. 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 are usually a total of 8 speakers in the Symposium, and each gives a 30-minute presentation. The DIC provides 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.

## 10. CONGRATULATIONS TO DIC AWARD WINNERS

The Division of Inorganic Chemistry is pleased to acknowledge the following inorganic chemists who will be receiving DIC awards in Boston, MA:

### ***2010 Inorganic Nanoscience Award to Frank E. Osterloh***

The Nanoscience Subdivision of the ACS Division of Inorganic Chemistry (DIC) is pleased to announce the recipient of the 2010 Inorganic Nanoscience Award, sponsored by the University of South Carolina NanoCenter.

Frank E. Osterloh, Associate Professor of Chemistry at the University of California at Davis, is the winner of the 2010 Inorganic Nanoscience Award, presented by the ACS Division of Inorganic Chemistry to honor excellent research at the mid-career stage. The award is sponsored by the University of South Carolina NanoCenter. Osterloh pioneered scalable solution-based nanoparticle linkage reactions leading to multicomponent nanostructures containing metal, metal oxide, and metal chalcogenide nanoparticles. The zero-, one-, and two-dimensional nanoparticle clusters exhibit magnetic, optical, and sensoric functions. Currently, his lab uses nanocrystal assembly reactions to synthesize photocatalysts for water splitting - a reaction that generates hydrogen fuel from sunlight. This is the third such award to be given; it consists of a \$3000 check made out to the winner, as well as a plaque to be presented at the Fall 2010 ACS meeting in Boston, MA during a morning symposium on August 24th. The intent of the award is to recognize sustained excellence, dedication, and perseverance in research in the area of inorganic nanoscience. Recipients are expected to be at the mid-career stage.

### ***2010 ExxonMobil Solid State Chemistry Faculty Fellowship to Sarbajit Banerjee***

Sarbajit Banerjee, an assistant professor in the Department of Chemistry at the University at Buffalo, State University of New York, will receive the 2010 ExxonMobil Solid State Chemistry Faculty Fellowship at the ACS National Meeting in Boston in August of 2010. 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.

Banerjee received his B.Sc. degree from St. Stephen's College of the University of Delhi (India) in 2000, and his Ph.D. degree, under the direction of Professor Stanislaus Wong, from SUNY Stony Brook in 2004. He then went on to do postdoctoral research at the Nanoscale Science and Engineering Center and Department of Applied Physics and Applied Mathematics at Columbia University under the direction of Prof. Irving Herman. In 2007, Banerjee began his independent academic career as an assistant professor at the University at Buffalo, SUNY.

Banerjee has established a highly competitive program focused on establishing the impact of finite size, shape, and defect density on electronic and structural phase transitions in nanoscale transition metal oxides, and the exploitation of this knowledge to tune the properties for diverse applications including Mott Field Effect Transistors, sensors, and optical waveguides. His program encompasses rational synthesis, detailed structural and electronic characterization, and modeling. Notable results include his ability to tune the structure and composition in  $\text{Hf}_x\text{Zr}_{1-x}\text{O}_2$  by varying the nature of the alkoxide in non-hydrolytic sol-gel synthesis routes, and to control the metal-to-insulator transition temperature in  $\text{VO}_2$  (a sharp transition, rarely observed in nanoscale  $\text{VO}_2$ ) by control of stoichiometry and dimension. Currently, he is looking at large, stochastic switching between phases in nanoscale alkali metal-doped vanadium bronzes.

Colleagues describe Banerjee as a highly creative and productive scientist performing cutting edge research of high technological impact. They also commend him for his work developing curricular materials aimed at communicating the excitement of recent advances in solid state chemistry to pre-college students.

A symposium in honor of Banerjee's award will take place at the Fall 2010 ACS National Meeting and feature talks by Banerjee, Héctor D. Abruña (Cornell University), Clare P. Grey (Cambridge University), Irving P. Herman (Columbia University), M. Stanley Whittingham (SUNY Binghamton), and Stanislaus S. Wong (SUNY Stony Brook and Brookhaven National Laboratory).

## 11. DIC STUDENT TRAVEL AWARD WINNERS

### Award winners for the 2010 Spring ACS meeting in San Francisco, CA

<u>Name</u>	<u>University</u>	<u>Advisor</u>
Julia Abbott	University of Tennessee	Zi-ling (Ben) Xue
Patrick Barber	University of Nevada-Reno	Ana de Bettencourt-Dias
James Bates	SUNY College at Geneseo	James E. McGarrah
Christopher Beier	University of Southern California	Richard L. Brutchey
Changle Chen	The University of Chicago	Richard F. Jordan
Marie Correia	University of Florida	Lisa McElwee-White
Alysha Dicke	Gustavus Adolphus College	Brandy S. Russell
Treffly Ditri	University of California San Diego	Joshua S. Figueroa
Meagan Evans	University of Rochester	William D. Jones
Eric Gale	University of Georgia	Todd C. Harrop
Stephen Geier	University of Toronto	Douglas W. Stephan
Casie Hilliard	Texas A&M University	Janet Bluemel
Sungjun Hong	University of Minnesota	William B. Tolman
Karah Knope	The George Washington University	Christopher L. Cahill
Jason Krizan	The College of New Jersey	Benny Chan
David Leitch	University of British Columbia	Laurel Schafer
Carl Myers	Pennsylvania State University	Mary Elizabeth Williams
Michele Publico	Georgetown University	Sarah L. Stoll
Andrew Roering	University of Vermont	Rory Waterman
Jared Silvia	MIT	Christopher C. Cummins
Alexander Spokoyny	Northwestern University	Chad A. Mirkin
Eric Standley	Boise State University	Eric C. Brown
Yujie Sun	The Ohio State University	Claudia Turro
Ana Torvisco	Syracuse University	Karin Ruhlandt-Senge
Nandita Welianje	University of Missouri	Paul R. Sharp

### Award winners for the 2010 fall ACS meeting in Boston, MA

<u>Name</u>	<u>University</u>	<u>Advisor</u>
Papri Bhattacharya	University of Cincinnati	Hairong Guan
Jiawei Chen	Rutgers University	Frieder Jäkle
Meghan Clark	University of Rochester	Patrick Holland
Yan Feng	University of Minnesota	Lawrence Que, Jr.
Takahiro Hayashi	Oregon Science & Health University	Pierre Moenne-Loccoz
Dempsey Hyatt	University of Florida	Mike Scott
Lauren Joyce	Ohio State University	Claudia Turro
Fatma Kocak	University of Maryland	Bryan Eichhorn
Wei-Tsung Lee	University of Iowa	Jan-Uwe Rohde
Christopher Letko	University of Illinois - Urbana-Champaign	Thomas Rauchfuss
Tzu-Pin Lin	Texas A&M University	François Gabbai
Gerald Manbeck	University of Rochester	Richard Eisenberg
Lisa Manus	Northwestern University	Thomas Meade
Christina Sun	Queen's University	Suning Wang
Joanna Webb	University of Virginia	Brent Gunnoe
Julie Wilkerson	University of Texas - Austin	Bradley Holliday

## 12. 2010 YOUNG INVESTIGATOR SYMPOSIUM

This DIC symposium honors talented young inorganic chemists, and provides a high-profile forum for them to present their research results. The sixth Young Investigator Symposium will be held on Sunday afternoon at the Fall 2010 ACS meeting in Boston, MA. The 8 speakers listed below will each 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.

Young Investigator	Title	Research Advisor
<i>Guoqing Zhang</i>	Mechanochromic luminescence of difluoroboron $\beta$ -diketonate molecular solids	Cassandra L. Fraser <i>University of Virginia</i>
<i>Emily L. Que</i>	Magnetic resonance imaging agents for selective copper detection	Christopher J. Chang <i>UC Berkeley</i>
<i>Donald J. Knobloch</i>	Carbon monoxide-induced cleavage of dinitrogen promoted by group 4 metallocene compounds	Paul J Chirik <i>Cornell University</i>
<i>Youngmin Kim</i>	Synthesis and Anion Binding Properties of Cationic Main Group Lewis Acids	François P. Gabbaï <i>Texas A&amp;M University</i>
<i>Alison R. Fout</i>	Synthetic and mechanistic studies of the ring-opening and denitrogenation of pyridine and picolines by a Ti-C multiple bond	Daniel J. Mindiola <i>Indiana University</i>
<i>Jillian L. Dempsey</i>	Pathways of Hydrogen Evolution Catalyzed by Cobalt(II) Diglyoxime Complexes	Harry B. Gray <i>CalTech</i>
<i>Linyou Cao</i>	Optical resonances in semiconductor nanowires	Mark L. Brongersma <i>Stanford University</i>
<i>Santanu Bag</i>	Chalcogels: Novel porous metal-chalcogenide aerogels	Mercouri G. Kanatzidis <i>Northwestern University</i>

## 13. MEETINGS AND SYMPOSIA

*Thematic Programming at ACS National Meetings - Report by Zi-Ling (Ben) Xue*

As many of you may know, there is now a theme at each ACS National Meeting. Themes for the next four ACS National Meetings are listed below. If you plan to organize DIC symposia at the 2011 and 2012 meetings, you might consider these themes in your planning.

*Future Thematic Programming at ACS National Meetings*

Meeting	Theme	Organizer(s)
Fall 2010, Boston	Chemistry for Preventing and Combating Disease	John Finley and Kenneth Jacobson
Spring 2011, Anaheim	Chemistry of Natural Resources	Pending
Fall 2011, Denver	Chemistry of Air, Space, and Water	Pending
Spring 2012, San Diego	Chemistry of Life	Pending
Fall 2012 Philadelphia	Chemistry of Health (Tentative)	

As stated at the ACS Thematic Program: “Thematic programming was developed to highlight the multidisciplinary nature of the scientific enterprise. Themes are chosen based on relevance to current scientific and societal issues, and their wide application to division programming. Previous themes include: Sustainability of Energy, Food, and Water, Biotechnology for Health and Wellness, and Energy and the Environment.” Thematic programming is also intended to demonstrate to the public valuable contributions chemistry makes in society. Chemistry for a Sustainable World was the theme for Spring 2010 ACS National Meeting in San Francisco, and Professor Laura Pence, University of Hartford, was the thematic program organizer.

I have represented DIC at the Multidisciplinary Program Planning Group (MPPG) that has helped choose the themes. If you have suggestions about themes in the future ACS National Meetings, please let me know (Email: [xue@utk.edu](mailto:xue@utk.edu); Phone: 865-974-3443).

### **Other Meetings of Potential Interest**

7th International Symposium on the Chemistry and Biological Chemistry of Vanadium  
October 6-9; Tayama, Japan

6th IUPAC International Symposium on Novel Materials and their Synthesis  
October 11-14, 2010; Wuhan, China

AsiaNANO2010  
November 1-3, 2010; Miraikan , Tokyo , Japan

International Conference on Nanomaterials and Nanotechnology (NANO 2010)  
December 13-16, 2010; Tiruchengode, India

2010 International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2010)  
December 15-20; Honolulu, Hawaii

Metals in Biology - Gordon Conference  
January 30 - February 4, 2011; Four Points Sheraton / Holiday Inn Express Ventura, CA

Chemical Reactions at Surfaces - Gordon Conference  
February 6-11, 2011; Ventura Beach Marriott, Ventura, CA

AMN-5: 5th International Conference on Advanced Materials and Nanotechnology  
February 7-11, 2011; Town Hall, Wellington , New Zealand.

Inorganic Reaction Mechanisms - Gordon Conference  
March 6-11, 2011; Hotel Galvez, Galveston, TX

10th International Conference on Materials Chemistry (MC10)  
July 4-7, 2010; Manchester, United Kingdom

19th International Symposium on Olefin Metathesis and Related Chemistry (ISOM XIX)  
Jul 10-15, 2011; Rennes, France

EICC-1: First EuCheMS Inorganic Chemistry Conference  
April 11-14, 2011; University of Manchester , United Kingdom.

ICBIC 15 - 15th International Conference on Biological Inorganic Chemistry  
August 7-12, 2011; University of British Columbia , Vancouver , Canada.

Sixteenth International Symposium On Silicon Chemistry (ISOS XVI)  
August 14-18, 2011; McMaster University , Hamilton , Canada.

#### 14. SYMPOSIUM TOPICS

I would like to suggest the following symposium topic(s) (and organizers) for Symposia in the Division of Inorganic Chemistry for ACS National Meetings in the year 2011 and 2012.

**Topic:**

**Organizer** (please print):

**Phone:**

**E-mail:**

**Fall or Spring Meeting 2011, 2012:**

Email your suggestions to Francois Gabbai at [dicsymposia@acsdic.org](mailto:dicsymposia@acsdic.org)

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