



ACS NEWS

The biannual newsletter for the American Chemical Society Division of Fluorine Chemistry

MESSAGE FROM THE CHAIR

Greetings to all of you from Nebraska! First of all, let me, on behalf of the Fluorine Division, congratulate the winner of this year's American Chemical Society Award for Creative Work in Fluorine Chemistry, Professor **Iwao Ojima**, Distinguished Professor and Director, Institute of Chemical Biology and Drug Discovery at the University of Stony Brook. The award is sponsored by **Honeywell**. Professor Ojima's award symposium will take place at the Spring ACS meeting in New Orleans. Prof. Ojima's award will also be recognized at the 21st Winter Fluorine Conference (January 13-18, 2013).

The preparation for 21st Winter Fluorine Conference, to be held at the Tradewinds Resort in St. Pete Beach, Florida, is well underway. The Conference will feature oral and poster presentations covering different aspects of organic, inorganic and industrial fluorine chemistry. The Division sends its thanks for excellent work by the WFC chair, Prof. Michael Gerken. As a reminder, the deadline for the conference registration is December 10, 2012. Details regarding the upcoming conference are available on the WFC web site: <http://fluorine.sites.acs.org/21stwfc.htm>.

Next year, two at large seats on the Division's Executive Committee will be up for election, as David O'Hagan and Alain Tressaud finish their terms on the committee. At present, the Executive Committee is working to identify new candidates for the

upcoming elections. The list of candidates will be approved at the meeting of the members of the Division at 21st Winter Fluorine Conference, and elections will take place in the spring of next year. Once again, I would like to ask members of the Division to volunteer to serve the Fluorine Community. If you would like to be a candidate or know someone who would be a good candidate for the EC elections next year, please send your suggestions to me or to other members of executive committee.

I would like to remind everyone that the deadline for proposal submissions for the Moissan Summer Undergraduate Fellowship is December 1, 2012. The Call for Fellowships, to be granted in 2013, is available on the Division website at <http://fluorine.sites.acs.org/>. It is also attached to this letter. The Division encourages you to maintain your interest in the Moissan SURF program, and consider applying this year. The Division encourages Awardees of the Moissan SURF to present their work at the Winter Fluorine Conference or at one of the ACS National meetings next year. The Division will cover part of the expenses for attending the ACS meeting.

The Fluorine Division website continues to be an extremely useful source for all members of fluorine community. In the beginning of this year, the website migrated to a new location on the American Chemical Society's servers.

Continued on p. 2

VICE-CHAIR MEMBERSHIP REPORT

As of August 31, there were 595 members of the fluorine division. This represents an increase of one since the Spring Newsletter, and includes the balance between departing members and new members.

THE BREAKDOWN IS AS FOLLOWS: MEMBER TYPE

GROUP	COUNT	%
Division Affiliate	28	4.71
Emeritus Member	47	7.90
Regular Member	446	74.96
Regular Student Member	39	6.55
Retired Member	18	3.03
Society Affiliate	2	0.34
Student Member – Undergrad	15	2.52
TOTAL	595	100

Continued on p. 2

MESSAGE FROM THE CHAIR

Continued from p. 1

It now contains listing of officers, information on the Division Awards, upcoming meetings, and the 21st Winter Fluorine Conference and Moissan Summer Undergraduate Research Fellowship in Fluorine Chemistry sections. Please visit the Division website (<http://fluorine.sites.acs.org>) and let webmaster Phil Henderson (<http://fluorine.sites.acs.org/contactus.htm>) or me know your thoughts or suggestions. We thank Phil Henderson for his considerable and continuous efforts in migrating and maintaining the website.

Stephen DiMagno

Chair 2012, USA

VICE-CHAIR PROGRAMS REPORT

Since the last FLUO Newsletter, several international meetings (20th ISFC, 1st Indian International Symposium on Fluorine Chemistry, 3rd Valencia Fluorine Days) provided a highly visible platform for colleagues from around the world to discuss recent progress in all areas of fluorine chemistry.

The new year, 2013 will start with the traditional Winter Fluorine Conference in St. Pete, continue with a symposium at the New Orleans Spring National ACS Meeting and entice you to visit the City of Light for the European Symposium on Fluorine Chemistry.

21st Winter Fluorine Conference, St. Pete Beach, FL, January 13-18, 2013: Information about the upcoming WFC can be found on the conference webpage (<http://fluorine.sites.acs.org/21stwfc.htm>). Early registration will be open until December 10, 2012 and housing is scheduled to close on December 21. Further questions may be addressed to the Michael Gerken (Michael.Gerken@uleth.ca; chair) or Stephen G. DiMagno (SDimagno1@unl.edu; co-chair).

245th National ACS Meeting, New Orleans, LA, April 7-11, 2013:

A symposium in honor of Iwao Ojima, the "Creative Work in Fluorine Chemistry" awardee, will be organized by J. T. Welch (jwelch@albany.edu). This FLUO symposium will also be supported by the Division of Organic Chemistry and the Division of Medicinal Chemistry.

17th European Symposium on Fluorine Chemistry, Paris, France, July 21-25, 2013: More information on this meeting will become available on the conference web-page (<http://www.c2s-organisation.com/esfc-paris2013/>). The meeting will be chaired by Henri Groult (chair, henri.groult@upmc.fr), Bruno Ameduri (co-chair, bruno.ameduri@enscm.fr) and Alain Tressaud (honorary chair, tressaud@icmcb-bordeaux.cnrs.fr). ■

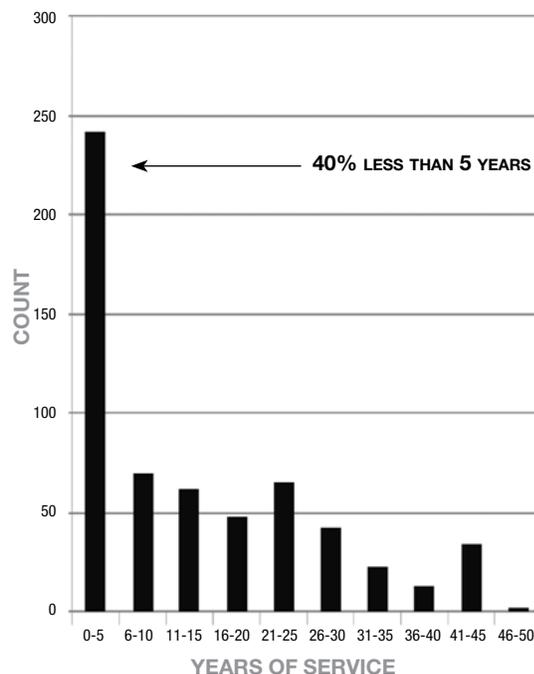
For more information visit: <http://fluorine.sites.acs.org/meetings.htm>

VICE-CHAIR MEMBERSHIP REPORT

Continued from p. 1

Please join me in welcoming the newest members: Brandon Conley, Helen Lee, David Sellers, and Shigeyuki Yamada. We continue to encourage current members to recruit students, postdocs, and early career fluorine chemists to join. This puts the Division on a solid foundation for the future as is reflected in the graph below: 40% of our members joined the Division less than five years ago.

ACS DIVISION OF
FLUORINE CHEMISTRY



Please keep in mind when recruiting new members that there is no fee for the first year of membership in the Division, and after the first year the dues are quite modest (\$10 for ACS members and \$17 for non-members).

Thank you for your efforts on behalf of the Division! If you have suggestions for strategies to increase membership, please forward them to Chris Junk for consideration by the Executive Committee. ■

TREASURER'S REPORT AS OF SEPTEMBER 30, 2012

The fiscal state of the Division of Fluorine Chemistry continues to be very strong thanks mostly to strong fundraising efforts for Fluorine Division sponsored symposia. The Table below provides a snapshot view of the Division's assets as of 30 September 2012 and the comparative numbers for a year prior, 30 September 2011.

ASSETS (as of September 30, 2012)

	(\$) as of 30 September 2011	(\$) as of 30 September 2012
WELLS FARGO BANK ACCOUNT	\$27,987	\$18,824
AMERIPRISE FINANCIAL SPS ADVANTAGE ACCOUNTS:		
Moissan SURF Fund	\$68,429	\$76,186
Long-term Investment Account	\$129,045	\$137,383
TOTAL ASSETS	\$225,461	\$232,394
Percent change		+3.1%

The Division's total assets have increased approximately 3.1% over the course of the 12 month period ending September 30, 2011. This increase is mostly due to an appreciation of invested assets and donations received in advance of the 21st Winter Fluorine Conference.

FINANCIAL HIGHLIGHTS YEAR TO DATE FOR FISCAL YEAR 2012 INCLUDE:

> The Division awarded 3 Moissan Summer Undergraduate Research Fellowships in the amount of \$3,500 each to Professors Brian O'Brien (Gustavus Adolphus College), Todd Davis (Idaho State University), and Chad Friesen (Trinity Western University).
> The Division provided \$9,500 in financial support to the

Fluorine Division Symposium held at the Spring ACS National Meeting in San Diego.

> The Division provided \$5000 in support of the 1st Indian International Symposium on Fluorine Chemistry, held in Delhi, India in February 2012. ■

THE DIVISION OF FLUORINE CHEMISTRY THANKS ALL OF ITS GENEROUS SPONSORS IN 2012:

- ABX Advance Biochemicals
- Advance Research Chemicals
- Agilent Technologies
- Apollo Scientific
- Arkema Fluorochemicals
- Biotage
- Bruker Biospin
- DuPont
- ExFluor Research Corporation
- Galaxy Chemicals
- GE Healthcare
- Halocarbon Products Corporation
- Honeywell
- Kanto Denka Kogyo Co. Ltd.
- Matrix Scientific
- Merck (Damstadt)
- MMM (3M)
- SciFluor Life Sciences
- SynQuest Laboratories, Inc.
- Tosoh F-Tech, Inc.

**PLEASE VOTE BY
NOV. 30, 2012!**

**OFFICIAL BALLOT ON
PG.9 OF THIS
NEWSLETTER**

DIVISION COUNCILOR REPORT

The following summary is provided to help Councilors report to their local sections and divisions on key actions and discussions of the ACS Council and Board of Directors at the **2012 fall national meeting**.

ELECTION RESULTS:

1. The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the **Committee on Committees** beginning in 2013: Spiro D. Alexandratos, G. Bryan Balazs, Christopher J. Bannochie, Arindam Bose, Dawn A. Brooks, Michelle V. Buchanan, Alan B. Cooper, Judith Currano, Warren D. Hull, Jr., David J. Lohse, Christopher J. Masi, Ingrid Montes, Jason E. Ritchie, and Ralph A. Wheeler. By electronic ballot, the Council elected G. Bryan Balazs, Dawn A. Brooks, Michelle V. Buchanan, Alan B. Cooper, and Ingrid Montes for the 2013-2015 term; and Spiro D. Alexandratos and Judith Currano for the remainder of a two-year (2013-2014) term.
2. The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the **Council Policy Committee** beginning in 2013: Frank D. Blum, Mary K. Carroll, Joseph A. Heppert, Martha G. Hollomon, Lee H. Latimer, Willem R. Leenstra, Carolyn Ribes, and Ellen B. Stechel. By electronic ballot, the Council elected Frank D. Blum, Mary K. Carroll, Lee H. Latimer, and Carolyn Ribes for the 2013-2015 term.
3. The Council Policy Committee presented to the Council the following slate of candidates for membership on the **Committee on Nominations and Elections** beginning in 2013: Cherlynlavaughn Bradley, Dwight W. Chasar, Catherine E. Costello, Milagros Delgado, Kevin J. Edgar, Carol B. Libby, Les W. McQuire, Donovan R. Porterfield, Robert A. Pribush, and Steven W. Yates. By electronic ballot, the Council elected Cherlynlavaughn Bradley, Milagros Delgado, Carol B. Libby, Les W. McQuire and Donovan R. Porterfield for the 2013-2015 term.

The candidates for the fall 2012 ACS national election were announced as follows:

CANDIDATES FOR PRESIDENT-ELECT, 2013

Dr. Thomas J. Barton, Distinguished Professor
Iowa State University, Ames, IA

Dr. Luis A. Echegoyen, Robert A. Welch Professor
University of Texas at El Paso, El Paso, TX

CANDIDATES FOR DIRECTORS-AT-LARGE, 2013-2015

Ms. Carol A. Duane, President
D&D Consultants of Mentor, Mentor, OH

Ms. Valerie J. Kuck, Retired

Lucent Technologies (Bell Labs), Murray Hill, NJ

Ms. Helen (Bonnie) A. Lawlor, Executive Director
National Federation of Advanced Information Services (NFAIS), Philadelphia, PA

Dr. Ingrid Montes, Professor

University of Puerto Rico, Rio Piedras Campus, San Juan, PR

CANDIDATES FOR DISTRICT I DIRECTOR, 2013-2015

Dr. Thomas R. Gilbert, Associate Professor
Northeastern University, Boston, MA

Dr. Neil D. Jespersen, Professor of Chemistry
St. John's University, Queens, NY

CANDIDATES FOR DISTRICT V DIRECTOR, 2013-2015

Dr. John E. Adams, Curators' Teaching Professor of Chemistry
University of Missouri, Columbia, MO

Dr. Peter K. Dorhout, Dean, College of Arts & Sciences
Kansas State University, Manhattan, KS

PETITIONS

(For Action)

The Council received two amendments (petitions) to the ACS Constitution and Bylaws for action: The Petition on Candidate Comment in C&EN and the Petition on International Chemical Sciences Chapters Funds. The Council VOTED not to approve the Petition on Candidate Comment in C&EN which sought to restrict candidates for election to the Board of Directors from publishing comments in C&EN from May through the balloting period. The Council also VOTED not to approve (64% to 36% via clicker vote) the Petition on International Chemical Sciences Chapters Funds. This petition sought to clarify that the Board of Directors may grant funds to international chapters for specific purposes.

(For Consideration)

The Council also received one amendment (petition) to the ACS Constitution and Bylaws for consideration (not action): Petition to Amend National Election Procedures. The Petition to Amend National Election Procedures seeks to shorten the campaign period for candidates for President-Elect and to charge the Committee on Nominations and Elections (N&E) with proposing two candidates for President-Elect. Currently, N&E proposes four nominees from which Council selects two candidates. Under the petition, Council would no longer vote on a list of nominees. The process of petition candidates would not change. The Petition to Amend National Election Procedures will be on the Council agenda for action at the 2013 spring meeting.

COMMITTEE REVIEW

As part of a regular performance review, the Council VOTED to continue the Joint Board-Council Committees on Chemists with Disabilities and on Professional Training. Continuation of these two committees also requires Board of Directors concurrence.

NEW COMMITTEE SUPPORTED

The Council VOTED to establish a Joint Board-Council Committee on Senior Chemists whose mission is to enrich the educational, technical, and cultural lives of the ACS Membership by ministering to and employing the talents of senior ACS members by: sharing with ACS members of all ages a rich variety of personal experiences and expertise gained over many years of professional service; fostering interest and participation in the science of chemistry through community outreach, especially in grades K-12; acting as science advisors/ambassadors for the purpose of cultural exchange at home and abroad; providing senior ACS members with challenging, diverse, and enjoyable professional experiences that enable them to contribute to the cultural experiences of their communities; and recommending policies that address issues of interest to senior chemists. The committee is aimed primarily at members over 60 years of age. Next, the Board of Directors must vote on whether to establish the committee.

MEETING REGISTRATION REPORT

As of close of business August 22, 2012, the ACS fall national meeting had attracted 13,320 registrants, including 7,817 regular attendees and 3,177 students.

MEMBERSHIP ACTIVITY

One of the Society's long-time concerns has been the decline in the number of domestic Regular Members, that is, members paying full dues. The impact of this decline has been offset, as we have reached record membership levels, by increases in the number of international Regular Members, and the 2009 addition of Student Member Undergraduates. While the number of regular domestic members paying less than full dues has decreased from 33,000 to 29,000 in the last five years, this is still significantly more than the number of student members added.

The Committee on Economic and Professional Affairs (CEPA) has unveiled six new four-hour workshops, as the ACS Career Pathways series. CEPA trained more than 40 volunteer facilitators and the workshops are now available for regional meetings and local sections.

REALIGNMENT OF ELECTORAL DISTRICTS

The Council VOTED 58% to 42% (via clicker vote) to shift two local sections in District II (Hampton Roads and Western Maryland) to District III. (The two local sections had agreed to the shift.) The Bylaws mandate rough equality in district populations. The shift meets the specified criteria for redistricting as required by the Bylaws and brings the districts within permissible range. During the discussion, Councilors asked the Committee on Nominations and Elections to conduct a comprehensive review of the optimal alignment of local sections within districts.

SPECIAL DISCUSSION ITEM

A special discussion item was put on the Council agenda for this meeting. ACS President Bassam Shakhshiri presented and moderated a discussion on "What major efforts should ACS pursue to help alleviate water and other global challenges?" Members of the ACS feel a responsibility as scientists and citizens to help address global challenges facing society in the 21st Century to help sustain Earth and its people. These challenges include increasing population growth, limited natural resources, malnutrition, disease, climate change, violence and war, and the denial of basic human rights, including the right to benefit from scientific and technological progress. This discussion focused primarily on the crisis of available water suitable for drinking, agriculture and industry. Following the presentation, more than 30 Councilors engaged in a discussion of this global challenge and others and offered numerous suggestions. Councilors are invited to continue discussion of this topic within the ACS Network Councilor Group (<https://communities.acs.org/groups/councilor-group>) at <https://communities.acs.org/message/11677>.

RESOLUTION TO HONOR THE MEMORY OF GLENN T. SEABORG IN THE CENTENNIAL YEAR OF HIS BIRTH

The Council passed a resolution to honor the 100th anniversary of the birth of Glenn T. Seaborg, Chemistry Nobel Laureate and past ACS President.

UPDATE ON ACS VS. LEADSCOPE LITIGATION

The Chair of the Board gave an update on the ACS vs. Leadscope litigation. As of this meeting, there was still no opinion announced by the Ohio Supreme Court on ACS's appeal in this case, despite the fact that oral arguments were presented nearly a year ago. We have no information on when an opinion might be delivered.

THE BOARD'S COMMITTEES AND WORKING GROUPS

- The Board of Directors received reports from its committees on Grants and Awards (G&A), Executive Compensation, and Budget and Finance (B&F); and from its working group on Society Program Portfolio Management.
- On the recommendation of the Committee on Grants and Awards, the Board VOTED to approve Society nominations for the Perkin Medal and the National Science Board Public Service Award. The Perkin Medal is the highest honor in American industrial chemistry, and the National Science Board Public Service Award honors individuals and groups that have made substantial contributions increasing public understanding of science and engineering in the US.
- The Board received a briefing and approved a recommendation from its Committee on Executive Compensation. The compensation of the Society's executive staff receives regular review from the Board.
- On the recommendation of the Committee on Budget and Finance (B&F), the Board VOTED to approve an advance member registration fee of \$370 for national meetings held in 2013. The Board also considered program funding requests, and on the recommendation of B&F VOTED to reauthorize funding for inclusion in the 2013 proposed budget the **ACS Science Coaches program** and the *ACS Global Research Experiences, Exchanges, and Training Program (GREET)*.
- The Board of Directors considered two other recommendations from the Committee on Budget and Finance and VOTED that an in-depth review of the expectations for the financial goals for National Meetings be performed, and that a financial plan for the long-term viability of the **ACS Presentations on Demand** program (formerly known as Electronic Dissemination of Meeting Content) be developed and shared with B&F at its 2013 spring meeting.
- The working group on Society Program Portfolio Management briefed the Board on its activities. The working group is charged with recommending a process for portfolio management of Society programs in the divisions of Membership and Scientific Advancement, Education, the Office of Public Affairs and pilot programs.

THE EXECUTIVE DIRECTOR/CEO REPORT

The Executive Director/CEO and her direct reports updated the Board on the following: security threats faced by the Society's information technology systems and the measures in place to protect against them; a recommendation from the 2011 Financial Planning Conference that ACS identify additional revenue sources; and the activities of CAS (Chemical Abstracts Service), the ACS Publications Division, and the Society's

General Counsel. The General Counsel report included an update on the ACS vs. Leadscope litigation. As a follow-up to the Publications report, the Board VOTED to approve several journal editor re-appointments.

STRATEGIC ASSESSMENT OF ACS INFORMATION SERVICES DIVISIONS

As a result of the 2011 Financial Planning Conference, the ACS Board of Directors requested that the ACS Executive Director and Chief Executive Officer carry out a strategic assessment of the ACS Information Services Divisions. As a practical matter, these studies have been conducted approximately every three years to ensure that our information services divisions, CAS and ACS Publications are fulfilling ACS's strategic goals. The study was conducted over a period of nine months, with the ACS Board of Directors and the Governing Board for Publishing discussing the study at key milestones along the way. The study affirmed the robust operating performance of CAS and ACS Publications, from both mission and financial viewpoints. It commended the increasing collaboration between the divisions and their global presence, and identified areas of synergy where additional opportunities for innovation and growth should be explore.

PRESIDENTIAL SYMPOSIA AT PHILADELPHIA

ACS President Bassam Z. Shakhshiri hosted several well attended symposia under the presidential theme, "Advancing Chemistry and Communicating Chemistry": a plenary lecture on "Chemistry and Climate Change" delivered by Nobel Laureate Mario Molina; the 25th anniversary of National Chemistry Week; "Communicating Controversial Science" honoring Rudy Baum on the occasion of his retirement as Editor-in-Chief of C&EN; and "150 Years of Chemistry at Land Grant Institutions: The Past as a Prelude to the Future," honoring the sesquicentennial of the Morrill Land Grant Act.

OTHER SOCIETY BUSINESS

- The Board also:
 - received reports from the Presidential Succession on their current and planned activities for the remainder of 2012 and 2013;
 - approved the appointment of Dr. Jerauld Skotnicki as the Coordinating Editor, ACS Presentations on Demand; and
 - welcomed and received reports from international guests representing the Canadian Society for Chemistry, the German Chemical Society, the Chemical Society of Japan, and the Royal Society of Chemistry.
- The Board held a well-attended open session which featured a special forum titled "What are the 'real world' ethics issues

faced by students and practitioners of chemistry?" Members attending this standing-room only session offered personal observations about ethical issues they have observed or been challenged by and possible options to address them.

- The ACS Leaderships Institute will be held in Dallas, Texas, January 25-27, 2013, for new committee, local section, and division chairs, and other volunteer governance members.
- In order to increase the available time for abstract submission for the ACS National Meetings, the Committee on Meetings and Expositions will be studying the feasibility of eliminating the print version on-site program books with a target of the 2013 fall national meeting in Indianapolis.
- The 25th anniversary of National Chemistry Week will be celebrated October 21-27 with the theme, "Nanotechnology – The Smallest BIG Idea in Science!" All local sections are encouraged to participate in NCW and plan an event that will recognize their coordinators.
- The 10th anniversary of Chemists Celebrate Earth Day will be celebrated in 2013. All local sections are encouraged to participate.

ADDITIONAL INFORMATION FOR COUNCILORS

The following is a list of URLs and email addresses presented on slides at the Council meeting. You will find the information noted on these cites helpful.

- www.acs.org/ChemistryAmbassadors – Information on the Chemistry Ambassadors program
- www.facebook.com/ChemistryAmbassadors – Chemistry Ambassadors group on Facebook
- www.acs.org/getinvolved – Details regarding Innovative Project Grants through the Committee on Local Section Activities
- www.acs.org/climatescience – Information on the ACS Climate Science Toolkit
- outreach@acs.org – Contact email for more information on the Coins for Cleaner Water initiative
- www.acs.org/bulletin5 – The ACS governing documents including certification information on unit bylaws
- bylaws@acs.org – Contact email for submitting petitions and other questions regarding the governing documents
- www.acs.org/ei – Information on the ACS Entrepreneurial Initiative
- careers@acs.org – Email address for forwarding revisions on the Academic Professional Guidelines
- www.acs.org/cpc – Information on the Council Policy Committee including the Councilor Handbook and Strategy Café Toolkit
- www.acs.org/councilreports – Location for committee reports posted following the Council meeting ■

BIOGRAPHICAL DATA OF THE CANDIDATES FOR OFFICES OF THE DIVISION OF FLUORINE CHEMISTRY

Executive Committee (Three-year term, 2013-2015)

PETR BEIER received his MSc in Organic Chemistry in 2001 at the University of Pardubice, Czech Republic. His Master thesis was entitled: *Kinetics and mechanism of base-catalyzed degradation of substituted aryl-N-hydroxy-carbamates and their N-methyl and N-phenyl analogues*. In 2004, he received his PhD in Organic Chemistry at the University of St. Andrews, UK. His Dissertation was entitled: *Partially fluorinated molecules and lipase mediated enantiomeric resolutions in fluorinated solvents*. His supervisor was Prof. David O'Hagan and the work was supported by the EU Research Training Network.

From 2005–2006 he had a Postdoctoral Position at Loker Hydrocarbon Research Institute, University of Southern California, Los Angeles, USA. Much of his work was on Research in organofluorine chemistry and guiding PhD students. His supervisors during this time were Prof. G. K. Surya

Prakash and Nobel Prize Laureate Prof. George A. Olah. Since 2007, He has been a research team leader at the Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Prague. His Independent research is in organofluorine chemistry.

MIKE BULINSKI received his B.S. degree in Chemistry in 2001 and a M.S. degree in Chemistry in 2003 from the University of Minnesota Duluth. For his Master's thesis he studied synthetic boron chemistry, specifically benzoboroxole type compounds. He began working for 3M company in 2004 as a contract chemist and then in 2006 became a full time employee in the Electronic Markets Materials Division. During his time at 3M he has worked in the area of synthetic fluorine chemistry in new product development for fluorinated liquids and battery materials. He is the co-inventor on six issued US patents and a co-author on published

papers in the Journal of the Electrochemical Society. He presented a paper at the 20th Winter Fluorine Conference entitled, "Hydrofluoroethers, New Chemistry and Applications" which focused on his synthetic work since joining 3M Company.

MICHAEL GERKEN received his Dipl. Chem. degree from the Gerhard Mercator University in Duisburg, Germany in 1995. He completed his Diploma thesis with Prof. Wiebren Veeman on ^{129}Xe NMR spectroscopy of xenon gas absorbed in microporous solids. During his graduate studies in Duisburg, Michael went to McMaster University for one year on an exchange to do research with Prof. Gary J. Schrobilgen on Zintl-anion chemistry. Michael returned to McMaster in 1995 to pursue Ph.D. studies with Prof. Gary J. Schrobilgen. Michael's thesis work involved the synthesis and characterization of XeO_4 and oxide fluorides of xenon(VIII), osmium(VIII), iodine(VII), and xenon(II). Michael received his Ph.D. in inorganic chemistry in 2000. He then continued as an NSERC postdoctoral fellow at the Loker Hydrocarbon Research Institute of the University of Southern California, where he worked in Prof. Karl O. Christe's research group for two years. In 2002, he joined the Department of Chemistry and Biochemistry of the University of Lethbridge in Alberta, Canada, as an Assistant Professor. Currently Michael is an Associate Professor, specialized in inorganic fluorine chemistry, focusing particularly on high oxidation state main-group and transition-metal compounds and sulfur fluoride chemistry. Michael has co-authored forty seven publications including four book chapters and is the chair of the 21st Winter Fluorine Conference in Jan. 2013.

JINBO HU was born in Zhejiang, China (1973). He obtained his B.S. (1994) and M.S. (1997) degrees at Hangzhou University and Chinese Academy of Sciences (CAS), respectively. He did his Ph.D. work during 1997-2002 at the University of Southern California (USC) with Professors G. K. S. Prakash and G. A. Olah. After his postdoc work at USC with Professors Prakash and Olah, he accepted the Research Professorship at Shanghai Institute of Organic Chemistry (SIOC), CAS in early 2005. His research interests are in selective fluorination methodologies and fluorinated materials. Currently, he is the Head of Key Laboratory of Organofluorine Chemistry at SIOC. He has published nearly 70 scientific papers and book chapters. His honors and awards include: RSC Fluorine Prize (2009); NSFC Outstanding Young Scholar (2008); Chinese Chemical Society Young Scholar Award (2007); Air Products Young Faculty Excellence Award (2005).

SEBASTIAN RIEDEL, born 1975, began his practical training 1991 as a chemistry laboratory technician at Siemens and Degussa in Hanau, Germany. He studied first at the University of Siegen and later on at the University of Würzburg where he finished his Diploma thesis on HgF_4 . During his PhD studies at the Institute of Inorganic Chemistry at the University of Würzburg in the group of Prof. Martin Kaupp, he investigated the stability of high oxidation state 5d transition metal fluorides by quantum-chemical calculations. For this work he received the Faculty Award in chemistry and the Bavarian culture award.

In 2006 he started his postdoctoral work at the University of Helsinki in the research groups of Prof. Pekka Pyykkö and Prof. Markku Räsänen where he continued practical aspects of his research on high oxidation states using matrix-isolation spectroscopy. In 2008, he had a postdoctoral stay in the laboratory of Prof. Gary J. Schrobilgen at McMaster University Canada where he dealt with various aspects of preparative inorganic fluorine chemistry.

Supported by a Liebig-scholarship from the German Chemical Industry (FCI), he started his "Habilitation" at the Albert-Ludwigs University, Freiburg where he combined all three areas of research (quantum-chemical calculations, preparative fluorine chemistry and matrix-isolation spectroscopy), investigating highly fluorinated systems such as HgF_4 , $\text{AuF}_5\text{-F}_2$ and $[\text{F}_3]^-$. For his research he has received in 2011 the "ADUC" award of the year from the German Chemical Society (GDCh).

Vice-Chair/Membership (Three-year term, 2013-2015)

CHRISTOPHER P. JUNK was born and raised in Manitowoc, Wisconsin. He received a B.S. degree in chemistry from St. Norbert College in 1995, and a Ph.D. in chemistry from Dartmouth College in 2000. While in David Lemal's group at Dartmouth, Chris was a two-time recipient of the Walter H. Stockmayer Chemistry Graduate Fellowship. He started his industrial career with DuPont in 2000 by taking a position in the Teflon® Research group at the Parkersburg, West Virginia production plant. In 2003 he transferred to DuPont Central Research & Development in Wilmington, Delaware and has been there since.

Chris's research interests include fluorinated small molecules (especially superacids, ionic liquids, and surfactants), as well as the synthesis / characterization of fluoroplastics and fluoroelastomers. He is a co-inventor on over

CANDIDATE BIOGRAPHICAL DATA *Continued from p. 8*

22 issued patents and co-author on 12 publications.

In his free time, Chris enjoys riding his bike and spending time with his wife (also a chemist) and three young children.

Vice-Chair/Secretary (Three-year term, 2013-2015)

RALF HAIGES (b. 1972) is an inorganic chemist with more than 15 years of research experience. A native of Germany, Ralf studied chemistry at the University of Wuppertal in Germany. He earned his M.S. in 1997 and received a Ph.D. from the University of Wuppertal in 2000. The following year, Ralf joined the research group of Karl Christe as a Post Doc. Since 2010, Ralf is a faculty member of the University of Southern California in Los Angeles. His primary research interests are fluorine chemistry, environmental benign

energetic materials, and X-ray crystallography. He is also the coordinator of the X-ray Crystallographic Facilities at USC and teaches X-ray crystallography. Ralf published more than 50 scientific publications and presentations. He is a member of the ACS Fluorine Division, the American Crystallographic Association (ACA), and the Gesellschaft Deutscher Chemiker (GDCh).

Since 2010, Ralf is an Assistant Professor at the University of Southern California in Los Angeles. He is also the coordinator of the X-ray Crystallographic Facilities at USC and teaches X-ray crystallography. He is a member of the ACS Fluorine Division, the American Crystallographic Association (ACA), and the Gesellschaft Deutscher Chemiker (GDCh). ■

OFFICIAL ELECTION BALLOT DIVISION OF FLUORINE CHEMISTRY OFFICES FOR 2013

EXECUTIVE COMMITTEE *(Vote for two)*

- Petr Beier
- Mike Bulinski
- Michael Gerken
- Jinbo Hu
- Sebastian Riedel

VICE-CHAIR/MEMBERSHIP *(Vote for One)*

- Christopher P. Junk
- Write-in candidate: _____

VICE-CHAIR/SECRETARY *(Vote for One)*

- Ralf Haiges
- Write-in candidate: _____

VOTING INSTRUCTIONS:

The completed Official Election Ballot can be returned by standard mail or scanned and emailed. If sent by standard mail, place ballot in an envelope with your signature and printed name on the return address of the envelope. Ballots from unsigned envelopes will not be counted.

If returning ballot by email, complete the ballot, scan it, and email it to syvretg@aol.com no later than November 30, 2012. Email ballots received on or after December 1, 2012 will not be counted.

Mail the completed ballot, postmarked no later than 30 November, 2012, to:

R.G. Syvret, Treasurer
ACS Division of Fluorine Chemistry
1156 Clearwood Drive, Allentown, PA 18103-5451 USA

2013 MOISSAN SUMMER UNDERGRADUATE RESEARCH FELLOWSHIP IN FLUORINE CHEMISTRY



THE AMERICAN CHEMICAL SOCIETY, DIVISION OF FLUORINE CHEMISTRY is committed to continuing its sponsorship of undergraduate research and actively encourages the submission of appropriate proposals for research to be conducted during the summer of 2013. This program is intended to encourage an interest in fluorine chemistry among prospective graduate students. The program will provide funds for a student's summer salary and will be awarded directly to faculty members conducting research in any area of fluorine chemistry at colleges or universities on the basis of competitively judged applications. The awards for 2013 are currently \$3,500 for a ten-week program. In addition, a limited stipend will be available for the student to present his/her research results at an ACS sponsored meeting. Research expenses in connection with this program will be the responsibility of the faculty member or his/her department or institution. The number of awards to be made will be dependent upon the funds available. Applications for funding under this program may be submitted by a faculty member conducting research in fluorine chemistry. The application should be no longer than five pages and should outline the specific research to be undertaken by the student, should present reasons for anticipating progress by the student during the allotted time, and should suggest how the program might encourage the student to pursue graduate work in fluorine chemistry. All applications must state that the faculty member has adequate facilities and sufficient additional funds to cover research expenses for the proposed research program, and must be signed by the applicant. To be considered for an award in 2013, the Division Chair must receive an application by December 1, 2012. The application, in triplicate, should be sent to:

The American Chemical Society, Division of Fluorine Chemistry
c/o Stephen DiMagno, Department of Chemistry
University of Nebraska
850 Hamilton Hall
Lincoln, NE 68588-0304 USA Tel. (402) 472-9895

In addition to the three paper copies, an electronic submission in the form of a Word document should be submitted to sdimagno1@unl.edu). No more than one award will be provided to an individual applicant per year. Applications for funding under this program will be judged by a committee consisting of the Division Chair, one academic member and one industrial member of the Division of Fluorine Chemistry and one member-at-large of the Fluorine Division. The awards for 2013 will be announced in the Spring 2013 Newsletter of the Division and the award recipients will be notified prior to this by mail or telephone. It is anticipated that students in this program will have completed the equivalent of three years of a chemistry major's program, although outstanding students with less academic experience can also be considered. Faculty members will be urged to consider students from institutions other than their own and especially from schools that provide limited opportunities for undergraduate research. However, selection of a student for participation in this program will be at the sole discretion of the faculty member. The selection process should be completed by March 1, 2013. Brief reports (two to three pages) to the Division Chair are expected from the faculty member and student by October 1, 2013. The faculty report should include a summary of technical accomplishments, skills realized by the student, perceived interest by the student in graduate work, and the perceived success or failure of this program in encouraging interest in fluorine chemistry by the student. The student report should include a summary of technical accomplishments and an evaluation of the influence of the award program in his/her decision to consider graduate work in chemistry or fluorine chemistry. ■

**AMERICAN CHEMICAL SOCIETY
DIVISION OF FLUORINE CHEMISTRY**

- NEW MEMBERSHIP APPLICATION
 RENEWAL
 CHANGE OF ADDRESS

Name: (PROF. / DR. / MR. / MS.) _____

Employer: _____

Address: _____

Business Phone: _____ Fax: _____

Home Phone: _____ E-mail: _____

ALL OF THE ABOVE INFORMATION WILL BE INCLUDED IN THE DIVISION'S DIRECTORY, WHICH IS SENT TO ALL MEMBERS IF YOU OPT-IN. PLEASE CHECK ONE BELOW:

- I AGREE TO HAVE MY INFORMATION PUBLISHED IN THE FLUORINE DIVISION MEMBERSHIP DIRECTORY.
 I DO NOT CHOOSE TO HAVE MY INFORMATION PUBLISHED IN THE FLUORINE DIVISION MEMBERSHIP DIRECTORY.

CURRENT MEMBER OF ACS? YES NO

IF YES, MEMBERSHIP NUMBER: _____

NEW MEMBERS OF THE FLUORINE DIVISION WILL HAVE THEIR DUES WAIVED FOR THE FIRST YEAR ONLY. THE RENEWAL DUES FOR 2013 ARE \$10.00 FOR ACS MEMBERS AND \$17.00 FOR NON-ACS MEMEBRS (FOREIGN MEMBERS: PLEASE MAKE SURE THAT YOUR CHECK IS IN U.S. DOLLARS DRAWN ON A U. S. BANK.)

Dues Enclosed: \$ _____

PLEASE SEND FORM TO:

Christopher Junk
DuPont Central Research & Development
Experimental Station
Building E500, Room 2604B
Wilmington, DE 19880
USA

Preferred method of return is electronic to Christopher Junk: Christopher.P.Junk@usa.dupont.com



ACS NEWS

The biannual newsletter for the American Chemical Society Division of Fluorine Chemistry

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