

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

#### **MESSAGE FROM THE CHAIR**



Greetings from the Lehigh Valley! I hope you had and continue to have a productive and rewarding year.

It is my pleasure to share with you that the winner of the **2019** 

## ACS Award for Creative Work in Fluorine Chemistry is Professor Norio Shibata

from the Nagoya Institute of Technology, Japan. Norio's research focuses on synthetic organofluorine chemistry, with a large focus on methods development. Many of his major contributions from well over 200 publications have been in the area of enantioselective synthesis of organofluorine compounds and in the design, synthesis and properties of fluorinated phthalocyanines. Please join me in congratulating Norio for this welldeserved award. Norio will be accepting this award at the 2019 Winter Fluorine Conference in Clearwater Beach, FL, and an award symposium will be held at the 2019 Spring ACS Meeting in Orlando, FL.

I mentioned above that the 2019 ACS Award for Creative Work in Fluorine Chemistry is being sponsored by the FLUO Division. We are actively looking for corporate or private sponsorship for this high-profile award, starting in 2020.

Since its establishment in 1971, this award recognizes outstanding contributions to the field of fluorine chemistry. We have had award winners who have employed the use of fluorine in fields such as organic, organometallic, and inorganic chemistry. I am reaching out to see if anyone would be interested in this unique opportunity for sponsorship. ACS is designated by the Internal Revenue Service (IRS) as a tax-exempt organization as defined in Section 501(c)(3) of the IRS code. Therefore, your contribution would be tax-deductible to the full extent of the law. Sponsorship of an ACS Award is a unique opportunity that offers many benefits. Working with ACS to honor premier chemical professionals, your company will be prominently featured at the annual ACS National Awards Banquet and highlighted in award announcements in Chemical & Engineering News, which has a circulation of more than 140,000. Your sponsorship will also be recognized on the ACS website at www.acs.org/ nationalawards and in all printed materials about the Awards Program, thus enhancing your company's visibility by highlighting your brand to prominent chemistry professionals. As the sponsor of this award, you will continue to be associated with the highest levels of

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## VICE-CHAIR MEMBERSHIP REPORT

AS OF AUGUST 2018, THE DIVISION OF FLUORINE CHEMISTRY OF THE ACS HAD 503 MEMBERS. THE BREAKDOWN IS AS FOLLOWS:

GROUP	COUNT	%
Regular Member	382	75.94
Regular Student		
Member	31	6.16
Student Member	_	
UnderGrad	13	2.58
<b>Emeritus Member</b>	45	8.95
Retired Member	15	3.98
<b>Division Affiliates</b>	10	1.99
Society Affiliate	7	1.39
TOTAL	503	100

Please join me in welcoming our newest members: Ali Azhdarinia, Paul Benny, Vadim Bernard-Gauthier, Eszter Boros, Allen Brooks, William Chance, Taylar Crist, Joachim Demaerel, Michael Hollerbach, Joseph Jaye, Alexey Kalugin, Alexey Kostikov, Nathaniel Lim, Wei Liu, Jacinda Mainord, Siyu Mao, Stephen McBride, Kevin McCue, Mateja Mihalec, Ganesh Narayanan, Benjamin Reed, James Rieben, Eng Nee Saw, John Shea,

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#### MESSAGE FROM THE CHAIR Continued from p. 1

chemistry, which directly contributes to the advancement of public welfare. Please feel free to contact me at any time with questions you may have about this unique opportunity.

I would like to provide a second reminder that applications for the **Moissan Summer Undergraduate Research Fellowships** are due by January 31, 2019. To be considered for an award, the Division Chair must receive an electronic submission in the form of a PDF document

(the 2019 Chair will be Neil Vasdev: neil.vasdev@utoronto.ca). Details regarding the submission process can be found in our Spring 2018 Newsletter, which is archived electronically on our Division website. Moissan Fellowships are for \$5000 and provide an excellent way to introduce our young undergraduate students to Fluorine Chemistry.

At this point, I would like to highlight the upcoming **24th Biennial Winter Fluorine Conference** that will be held in Clearwater Beach Resort, FL in January 2019. The Division is grateful to conference chair Markus Etzkorn and co-chair Mike Bulinski for organizing and chairing

a conference that will feature oral and poster presentations covering all areas of contemporary fluorine chemistry. To learn more about attending this conference, please visit the website: www.winterfluorineconference2019.com.

It has been my honor to serve as Chair of FLUO, and I am very thankful for the input from the Executive Committee as well as the members of the ACS for their help and support. I will soon leave you in the capable hands of Neil Vasdev, who will assume the role of Chair beginning in January.

Please continue to stay involved, and let us know if you have any ideas for improving and strengthening our Division. I hope to see everyone at the Winter Fluorine Conference!

David Vicic, Chair 2018

PLEASE PLAN TO ATTEND THE

24<sup>TH</sup> WINTER FLUORINE CONFERENCE.

CLEARWATER, FL | JANUARY 13-18, 2019

(See pages 6 & 7 for more details.)

JANUARY 13-18 2019

Conference will be held at the Hilton Clearwater Beach Resort in Clearwater, Florida. Abstract submission closes on October 31, 2018. Registration closes on December 7, 2018 and housing closes on December 10, 2018. Chair: Markus Etzkorn and Co-chair: Mike Bulinski. Conference website: <a href="https://www.winterfluorineconference2019.com">winterfluorineconference2019.com</a>

**THANKS TO OUR SPONSORS:** The following are the current sponsors for the 24th WINTER FLUORINE CONFERENCE AS OF OCTOBER 18, 2018. We are very grateful to these companies for their support of the 24th Winter Fluorine Conference:

PLATINUM SPONSOR

**BRONZE SPONSOR** 

Oakwood Products, Inc.

Shamrock Technologies, Inc.

#### **COPPER SPONSOR**

Advance Research Chemicals, Inc.

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## VICE-CHAIR MEMBERSHIP

Continued from p. 1

REPORT



Dov Shellef, Lydia St. Hill, and Nerissa Viola-Villegas.

It is wonderful to see new members joining our Division. Unfortunately, the

membership numbers decreased slightly from the February numbers. I would like to ask our current members to talk to colleagues who work in fluorine chemistry to join our Division and become part of our collegial, close-knit fluorine chemistry community. Our Division is international in its composition and we are happy to welcome new fluorine chemists from all over the world. In addition, we should continue to convince students or postdoctoral fellows in your groups to join the Division, as the new generation of fluorine chemists. As a member of the Division of Fluorine Chemistry, you enjoy drastically reduced rates that the Winter Fluorine Conferences (next one in Jan 2019), as well as eligibility for Division awards and travel reimbursements. For joining the Division, the form and instructions can be found at https://www.acs.org/content/acs/en/ membership-and-networks/join.html. Please note, as a regular member of the Division one has to be a member of the ACS. Non-members of the ACS can become affiliate members of the Division. If you have any suggestions of activities that will expand our membership, please feel free to contact me.

Follow us on Twitter! An easy way to discover the latest news related to the ACS Division of Fluorine Chemistry is to follow our Twitter account located here: twitter.com/



As my final newsletter contribution as Vice-Chair, I would like to thank all of the Division Members & Executive Committee Members, as well as the excellent support staff at the ACS for all of their support to make the programming a success.

The fluorine chemistry community is looking back at a successful summer of conferences. Most recently, the 22nd International Symposium on Fluorine Chemistry (ISFC), which was held at the University of Oxford, UK, from July 22-27, 2018. This meeting was Chaired by Drs. Veronique Gouverneur, David O'Hagan, and Graham Sandford. The symposium took place in some of the most magnificent venues of the University with the opening ceremony in the Sheldonian Theatre, the scientific oral sessions in the Examination Schools, and the poster sessions in the Oxford University Museum of Natural History. A range of symposia covered fundamental and applied fluorine chemistry, with plenary, keynote and invited speaker sessions by many members of our Division. Earlier this summer, a symposium titled "Exploring Synthetic and Structural Diversity in Inorganic Fluorine Chemistry" was held at the 101st Canadian Chemistry Conference and Exhibition, in Edmonton, Alberta, Canada from May 27-31, 2018. This session was organized by Drs. Michael Gerken, Jennifer Love & Gary Schrobilgen, On the behalf of the Division I would like to thank all Symposia Organizers, as well as the Presenters and Chairs, as for their dedication and hard work in putting

Please mark your calendars for the **24th Winter Fluorine Conference at the Clearwater Beach Hilton Resort in Florida from January 13-18, 2019**. Early registration with discounted
<u>fees closed October 12</u>. A discounted room rate has been negotiated for students (\$119/night) and conference attendees

together outstanding programs.

(\$139/night) and this conference housing closes on December 10, 2018. Abstract submission is OPEN and closes on October 31, 2018 This is the flagship meeting for our Division and we encourage all of you to attend, as well as contribute abstracts from your colleagues and students. The conference Chair is Dr. Markus Etzkorn and the Co-Chair is Dr. Mike Bulinski. Please visit the website (www.winterfluorineconference2019.com) for full details.

Another important meeting to notice is the upcoming the Spring 2019 ACS Meeting, specifically the 257<sup>th</sup> ACS National Meeting & Exposition will be held from March 31–April 4 in Orlando, FL, where the Fluorine Division will be holding an Award Symposium dedicated to the 2019 ACS Award for Creative Work in Fluorine Chemistry. The Symposium will be coorganized by Dr. Olga Boltalina, Dr David O'Hagan and Dr. Teruo Umemoto. Please note that abstract submission deadline is Monday, November 5, 2018.

The International Conference on Fluorine Chemistry will be held in Himeji, Hyogo, Japan on 22-24 of May, 2019. The program will include 24 invited lectures on inorganic, organic and polymer chemistry. This conference will be an exciting international forum for the discussion of interesting topics on fluorine chemistry. Please visit fluo.sakura.ne.jp/ICFC2019 for detailed information.

The Polish Fluorine community will be hosting the **19th European Symposium on Fluorine Chemistry, in Warsaw, Poland on 25-30 of August, 2019**. More details about the Symposium will be available later on the following website f2019.uw.edu.pl.

It has been my honor to serve in this Vice-Chair role for the past 3 years and I look for-ward to continuing to work with all of you while serving as the Division Chair in 2019.

#### **FOLLOW US ON TWITTER!**

AN EASY WAY TO DISCOVER THE LATEST NEWS RELATED TO THE ACS DIVISION OF FLUORINE CHEMISTRY IS TO FOLLOW OUR TWITTER ACCOUNT LOCATED HERE:





#### DIVISION COUNCILOR REPORT

**AMENDMENTS TO THE ACS BYLAWS:** A recommendation by the Committee on Membership Affairs that Council approve the Petition on International Chemical Sciences Chapters achieved the two-thirds majority required to amend Bylaw XI, Section 3 accordingly

An International Chemical Sciences Chapter may assess its members' Chapter dues to be expended for its own purposes in harmony with the objects of the SOCIETY.

Affiliations of SOCIETY Local Sections or Divisions shall become effective upon authorization by their governing body, approval by their respective Council committees governing Local Sections and Divisions, and by confirmation by the Council Committee on Constitution and Bylaws acting for the Council, that the provisions of Section 1 of this Bylaw are met. *Divisions can be affiliated with other organizations*.

SPECIAL DISCUSSION ACS President Dorhout introduced and led a special discussion on what role(s) ACS should play in preventing sexual harassment in the sciences. He highlighted several recent articles, workshops and studies that have called attention to the issue, notably a symposium, "Science of Sexual Harassment" organized during the ACS National Meeting in New Orleans (Spring 2018) by the Women Chemists Committee and Chemical & Engineering News; and a National Academies of Sciences, Engineering, and Medicine consensus study report: "Sexual Harassment of Women: Climate, Culture, and Consequences in Academic Sciences, Engineering, and Medicine" (2018). He directed Council's attention to existing ACS codes and initiatives to address sexual harassment, and offered items for discussion and possible action:

- More signs/information at National Meetings regarding our policies and supporting information
- > Trained volunteers at national meetings for reporting sexual harassment
- > A webinar on preventing sexual harassment for local sections or divisions

Nominations and Elections Ballots for the 2018 fall national election will be distributed October 1-3, with a voting deadline four weeks later, on October 31. ACS members eligible to vote and with an email address on file will receive an electronic ballot with the option to request a paper ballot. Those members with no email address on file will be sent a paper ballot but with the option to vote electronically. The ACS election vendor, Survey & Ballot Systems, will send three email reminders

during the voting period to those who have not voted as of the reminder date.

Budget and Finance The Society's 2018 Probable 1 Projection calls for a Net from Operations of \$31.8 million. This is \$1.3 million favorable to the Approved Budget. Total revenues are projected to be \$565.1 million, which is \$5.7 million or 1.0% favorable to the Budget. Total expenses are projected at \$553.3 million, which is \$4.4 million or 0.8% unfavorable to the Budget.

In light of the recent financial performance of the technical-meeting component of our national meetings, the Board voted to approve an advance member registration fee of only \$490 for national meetings held in 2019 (i.e., the current advance member registration fee escalated to account for inflation only); to reauthorize a program funding request for the Chemistry Festival program; and in accordance with past practice, to allocate on a pro-rated basis to qualified ACS Divisions any net revenues accrued to the Society from the 2020 and future International Chemical Congresses of the Pacific Basin Societies (Pacifichem).

**Boston National Meeting** The theme of the 256th ACS National Meeting was "Nanoscience, Nanotechnology, and Beyond." As of Tuesday evening, August 21, attendance was: 14,235.

Membership Affairs As of August 21, ACS had 149,584 members, which is a decline of only eight-tenths of one percent from the over 150,000 members in 2017. This year-to-date figure represents an increase of over 1,200 members when compared to the last two years. It was noted that five of last seven months have been respectively the best months for membership since at least 2014. The current membership count positions ACS for a strong close to the year, and there is cautious optimism that total membership will rise for the first time since 2011.

The Board's Society Programs global liaison offered an update on efforts to strengthen the global presence of Society programs to better serve our international members and the global chemistry enterprise. Efforts are underway to clarify and articulate the current state of international activities, products, and services; to clarify the challenges associated with globalization of existing domestic activities; and to offer recommendations for moving forward. Next steps include interviewing key stakeholders, reviewing past efforts, and exploiting existing market research with a view toward developing a strategic plan, activities, and timelines for Board consideration.

## 19<sup>th</sup> European Symposium on Fluorine Chemistry

Organizing Committee:

prof. Wojciech Grochala chairman

dr. Dominik Kurzydłowski vice-chairman

dr. Przemysław Malinowski vice-chairman

dr. Karol Fijałkowski secretary general

dr. Tomasz Jaroń treasurer

dr. Piotr Leszczyński social event coordinator

prof. Henryk Koroniak honorary chairman

dates: 25-30.08.2019 submission: 1.04.2019

e-mail: f2019@uw.edu.pl





2019

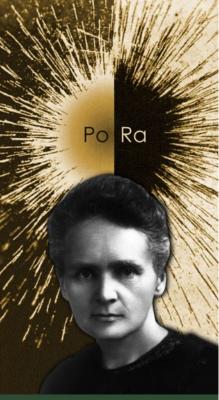


19<sup>th</sup> ESFC Warsaw, POLAND





CHOPIN



SKŁODOWSKA-CURIE





## **24TH WINTER FLUORINE CONFERENCE**

JAN. 13-18, 2019 CLEARWATER BEACH, FLORIDA

FULL PRICE REGISTRATION

OCT. 13 TO DEC. 7, 2018

LATE REGISTRATION INCLUDING ONSITE

> DEC. 8, 2018 TO JAN 18, 2019



#### HILTON CLEARWATER BEACH

400 Mandalay Ave.

Clearwater Beach FL 33767 USA

Ph: 727-461-3222 TF: 877-461-3222

Clearwaterbeach.hilton.com

All details and registration fees can be found on the conference website: winterfluorineconference2019.com





#### FULL CONFERENCE REGISTRATION INCLUDES THE FOLLOWING:

- Access to all conference technical sessions,
   Sunday through Friday
- Sunday evening reception and poster session
- Thursday reception and an evening gala banquet
- Coffee breaks twice daily
- Hospitality suite each evening (9p.m.-11p.m.
   Sun.-Wed.) and 9:30p.m.-11:30p.m.
   Thurs.)

An accompanying persons program is being organized. Check the conference website for details.

#### **PRESENTATIONS**

Presentations will include Plenary, Invited, Contributed, and Poster.

Contributed oral and poster presentations are encouraged.

## ABSTRACTS SUBMISSION

Abstracts
Submission opened
on July 9 and closes
on Oct. 31, 2018







# 24<sup>TH</sup> WINTER FLUORINE CONFERENCE

JAN. 13-18, 2019 CLEARWATER

BEACH, FLORIDA



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ACS MEETING PLANNER: VERNAR BEATTY American Chemical Society 1155 16th St., NW Washington, DC 20036 V\_Beatty@acs.org



**Conference Housing** 

Conference housing opened on July 30, 2018 and closes on Dec. 10, 2018. Special discounted conference rates are available for students (\$119/night) and conference attendee (\$139/night).

#### **Conference Exposition**

There will be a conference exposition for industrial participants to display company materials and for representatives to interact with conference participants.

#### **Sponsorship Information**

There are several sponsorship opportunities for the 24th Winter Fluorine Conference. Please contact Markus Etzkorn at metzkorn@uncc.edu for information on sponsorships.

#### **Accompanying Persons**

A full program of activities is being organized for accompanying persons.

#### SPONSORSHIP LEVELS INCLUDE:

Copper \$500+ • Bronze \$1,000+ • Silver \$2,000+ Gold \$3,000+ • Platinum \$5,000+ • Diamond \$10,000+

See the website to view full sponsorship opportunities.

#### **BENEFITS OF SPONSORSHIP:**

Category Benefit Includes:	Copper	Bronze	Silver	Gold	Platinum	Diamond
Company Logo on Conference Website with link to Company's website						
Acknowledgement of Company's sponsorship in Conference program booklet and website						
Space adjacent to conference meeting room to display Company's literature						
Co-sponsorship of a technical session with acknowledgement in the program booklet						
Free tabletop at conference expo during Wednesday poster session and breakfast buffet for 1 participant						
Sole sponsorship of 1 technical session with acknowledgement in the program booklet						
50% registration discount for 1 company employee and half-page advertisement in program booklet						
Complimentary registration for 1 company employee and 50% registration discount for a second company employee, and a full page advertisement in program booklet						
Co-sponsorship of twice daily coffee breaks with acknowledgement in program booklet						
Co-sponsorship of a social event with acknowledgement in program booklet and Company logo displayed on attendee badges						
Company logo displayed on conference lanyards						

All details and registration fees can be found on the conference website: winterfluorineconference2019.com





The Division's TOTAL assets have decreased approximately **13.1%** over the course of the 12-month period **ending June 30, 2018**. This decrease is primarily due to contributions in support of Division programming and activities.

#### ASSETS (actual as of 30 June 2018)

	(\$) as of 30 June 2017	(\$) as of 30 June 2018
Wells Fargo Bank Account	\$34,007	\$3,220
Long-term Investment Accounts	\$192,956	\$194,122
TOTAL ASSETS	\$226,963	\$197,342
Percent Change		-13.1%

#### **2018 FINANCIAL EXPENDITURE HIGHLIGHTS**

- > In 2018 the Division provided 2 Moissan Summer Undergraduate Research Fellowships in the amount of \$5,000 to Professor Gary Schrobilgen at McMaster University and \$5,000 to Professor Jean-François Paquin at the Université de Laval.
- > The Division provided \$3,500 in financial support to the Award Symposium for Erhard Kemnitz at the Spring ACS National Meeting in New Orleans, March 2018.
- > The Division provided \$6,000 in financial support to

the F-18 Radiochemistry symposium at the Spring ACS National Meeting in New Orleans, March 2018.

- > The Division provided **\$2,500** to the 3rd Halogen Bonding Symposium held at Greenville, SC, June 2018.
- > The Division paid **\$12,504.75** as final reconciliation of expenses from the 23rd Winter Fluorine Conference, held January 2017.
- > The Division sponsored the 2018 Award for Creative Work in Fluorine Chemistry at a cost of **\$8,876.36**. Was paid at end of 2017.

#### **OUTLOOK FOR 2019:**

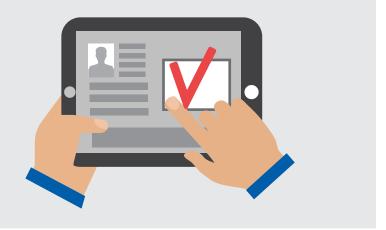
- > The Division has budgeted to provide **2 Moissan SURF @ \$5,000** each in 2019.
- > The Division will sponsor the 2019 ACS Award for Creative Work in Fluorine Chemistry at a cost of \$9,000.
- > The Division will provide the necessary financial

support for the 24th Winter Fluorine Conference to be held January, 2019 in Clearwater Beach, FL.

> The Division will provide \$3,500 for the Award for Creative Work in Fluorine Chemistry symposium in honor of Norio Shibata that will be held at the 2019 Spring ACS National Meeting in Orlando.

#### **ELECTION BALLOT**

THE INVITATION TO VOTE
ELECTRONICALLY FOR OFFICES
OF THE DIVISION OF FLUORINE
CHEMISTRY WILL BE SENT
BY EMAIL.



### 2019 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 2019. 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 applica-

tions. The awards for 2019 are currently \$5,000 for a ten-week program. In addition, a limited stipend of up to \$500 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. In addition, the faculty member has to be a member or affiliate of the Fluorine Division. To be considered for an award in 2019, the Division Chair must receive an application by January 31, 2019. The electronic submission should be in the form of a PDF document and sent to: Neil Vasdev (neil.vasdev@utoronto.ca)



The electronic submission should be in the form of a PDF document and sent to: neil.vasdev@utoronto.ca

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 2019 will be announced in the Spring 2019 Newsletter of the Division and the award recipients will be notified prior to this by e-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, 2019. Brief reports (two to three pages) to the Division Chair are expected from the faculty member and student by October 1, 2019. 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.



THE BIANNUAL NEWSLETTER FOR THE AMERICAN CHEMICAL SOCIETY DIV. OF FLUORINE CHEMISTRY

#### 2018 EXECUTIVE COMMITTEE ACS DIVISION OF FLUORINE CHEMISTRY

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#### **PAST CHAIR**

**RALF HAIGES** 

#### COUNCILOR

DAVID A. DIXON

#### **ALTERNATE COUNCILOR**

JOSEPH S. THRASHER

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PETR BEIER – CZECH REPUBLIC
MARKUS ETZKORN – USA
CHAD FRIESEN – CANADA
GB HAMMOND – USA
THOMAS MATHEW – USA
KAZUHIKO MATSUMOTO – JAPAN
JEAN-FRANCOIS PAQUIN – CANADA
VIACHESLAV PETROV – USA
GARY SCHROBILGEN – CANADA

#### **WEBMASTER**

PHILLIP HENDERSON - USA

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fluorine.sites.acs.org