

Fall Newsletter
&
Official Ballot for
Election of Executive Committee Positions

October 2007
Message from the Chair

Sizzling greetings from Los Angeles! I trust that you all had a fruitful and relaxing summer, despite the stormy and wet summer some of you have experienced in the Midwest and South. I know that some of you attended the 15th European Symposium in Fluorine Chemistry in Prague, which I heard was a grand success. On behalf of all of us in the Division, I would like to extend my warm congratulations to **Professor Dennis Curran**, University of Pittsburgh, the winner of the 2008 ACS Award for Creative Work in Fluorine Chemistry. The 2008 award is sponsored by SynQuest, which will be alternating with sponsorship by **Honeywell** over the next several years. Professor Curran will give his award address during the Award Symposium (co-sponsored by the Organic Division) in the upcoming 235th ACS National Meeting at New Orleans, LA, April 6 -10, 2008.

Two-back-to-back Symposia titled “*Nanostructured Fluorocarbons: Smart Tectons for Self Assembly*” and “*Novel Bonding and Structural Modalities in Inorganic Fluorine Chemistry*” were organized at the 234th ACS Meeting in Boston this August. The latter honored Professor Neil Bartlett on the occasion of his 75th Birthday. **Happy Birthday Neil!** The division is grateful to all the organizers (G. Resnati, P. Metrangolo, B. Žemva, H. P. A. Mercier, A. Tressaud and G. B. Schrobilgen), participants, attendees and the sponsors. Slava Petrov promises exciting events at New Orleans as well as Philadelphia next year (see the program chair’s report). In addition, the Division is pleased to sponsor fluorine sessions in honor of **Professor Darryl DesMarteau** (Clemson University) at the 2007 South Eastern Regional Meeting of the ACS (SERMACS) at Greenville, SC in October 2007. The **19th Winter Fluorine Conference** will take place in Florida in January 2009 and the organizers are P. V. Ramachandran (Chair) and Charles Martin (Co-Chair). The division will also host the **19th International Symposium on Fluorine Chemistry**, August 23-28, 2009 at Jackson Hole, WY under the leadership of J. S. Thrasher, O. V. Boltalina, S. H. Strauss and R. E. Fernandez. The planning and arrangements are going well.

Fall is the time for the Division to elect future leaders. With this *Newsletter* you will receive a ballot with the names of candidates for the positions of Vice-Chair/Secretary and two Executive Committee Members-At-Large. During the 18th Winter Fluorine Conference in January 2007 the membership-at-large approved a slate of candidates. I wish to express my gratitude to the excellent candidates for Vice-Chair/Secretary - **Greg Butler** (Oakwood Chemicals) and **Andrei Yudin** (University of Toronto); and to the candidates for the Executive Committee Members-at-Large (two) - **Paul Deck** (Virginia Tech), **Markus Etzkorn** (University of North Carolina, Charlotte), **Larry Ford** (W. L. Gore), **Tariq Mahmood** (Galaxy Chemicals) and **Mark Watson** (University of Kentucky) for participating in this important endeavor of the Division.

Thank you all in advance for exercising your franchise. Let's go for a record-setting number of returned ballots (with signatures).

I would like to remind everyone of the submission deadline (December 15, 2007) for the **Moissan Summer Undergraduate Fellowships**. The call for the fellowships to be tenured in 2008 is in this fall's Newsletter, and will also appear in *Chemical and Engineering News* and the *Journal of Fluorine Chemistry*. To maintain the current number of fellowships at the stipend level (\$3,500), we need to campaign aggressively to increase the **Moissan Summer Undergraduate Research Fellowship in Fluorine Chemistry Fund**. I call on the members of the Division and the industrial sponsors to support the current donation drive to reach the goal of \$150,000 (see Treasurer's Report). It is our objective to establish a self-sustaining investment pool (managed by the Fluorine Division) from which the annual Moissan Summer Undergraduate Fellowships can be provided. Three Moissan Fellowships were awarded by the Division in 2007. We hope that you and/or your organization will find the means to contribute to this important outreach program of your Division and equally important investment in the future of fluorine chemistry. Contributions should be directed to the Fluorine Division's Treasurer, **Bob Syvret**. Please visit the Fluorine Division website for details.

The Fluorine Division's website continues to be an extremely useful source for all matters pertaining to fluorine chemistry. We thank **Phil Henderson**, the site's Webmaster, for the considerable effort he has expended in maintaining the website. The website contains, among other items, past newsletters, annual reports to the ACS, listings of officers, membership information, upcoming meetings, programs and abstracts, the new Fluorine Division Bylaws, and Executive Committee Operations Manual. Check it out if you have not done so recently (<http://membership.acs.org/F/FLUO>).

It is still our main priority to increase the membership of the Division, and I request that each Division member attempt to recruit at least one new member this year. Membership application forms may be obtained from the Division's website (see the membership report). Please send completed membership forms to Membership Chair, **Vadim Soloshonok**. Remember, the first year of membership in the Division is free!

We extend our heart-felt congratulations to **Professor Ronald Gillespie** (McMaster University), who is set to receive the highest civilian award, **The Order of Canada** from Her Excellency, the Right Honorable Michaëlle Jean, Governor General and Commander-in-Chief of Canada in November. Ron received the ACS Award for Creative Work in Fluorine Chemistry in 1981. We are also pleased to recognize **Jeffrey B. Johnson** (for receiving the Dreyfus Faculty Start-up Award (one of eight this year) at Hope College, MI. Jeff received a Moissan Summer Fellowship in 1998 under the tutelage of Brian O'Brien, the current Secretary of the Division.

Congratulations to Jeff and also to Brian for his superb mentoring skills. We wish to continue to recognize awards that our members receive, as part of our newsletter. Please let the Secretary of the Fluorine Division or me know when you or a member colleague receive an award or other form of recognition, so that we can let our members know of the honor. We would also like to acknowledge new faculty appointments, tenureships, etc. in fluorine chemistry in our newsletters, so please let us know of those, as well.

If there are concerns or questions that you have regarding the Fluorine Division, please send me an e-mail. If there are items that you would like to have considered for inclusion in the *Newsletter*, please do the same. I hope to see you at the 235th Spring ACS National Meeting in New Orleans in April 2008.

Sincerely,



G. K. Surya Prakash
Chair, 2007

Treasurer Report

The fiscal state of the Division of Fluorine Chemistry continues to be very strong. The table below provides a snapshot view of the Division's assets as of 30 June 2007 and the comparative numbers for a year ago.

The Division's total assets have increased significantly (18.1%) over the course of the 12 months ending June 2007. This increase is due in part to appreciation of invested funds (13% increase in Investment Pool and 16.6% increase in Moissan SURF Fund) and also deposits made from contributions in support of programming at the Fall 2007 ACS National meeting in Boston.

ASSETS (as of 30 June 2007)

	(\$) as of 30 June 2006	(\$) as of 30 June 2007
ACS Investment Pool (market value)	119,693	135,339
Wachovia National Bank	18,418	28,937
American Express SPS Advantage Account		
Moissan SURF Fund	71,794	83,676
Total Assets	209,905	247,952
percent change		18.1%

Other financial highlights for the Division for Fiscal Year 2007 include:

- The Division was the primary sponsor and provided financial support for the operation of the 18th Winter Fluorine Conference. Net proceeds were \$15,706.94 that went into the Division's operating account.
- The Division provided financial support (\$5,263.11) to speakers at the ACS National Meeting in Chicago participating in the symposium to honor Professor Kenji Uneyama
- The Division awarded 3 Moissan Summer Undergraduate Research Fellowships in the amount of \$3,500 each to Professors Alvin Holder, Jin Montclare, and Chad Stevens.
- The Division provided \$9,702 in sponsorship money for two Fluorine Division symposia held at the ACS National Meeting in Boston, August 2007.
- The Division has provided \$2,500 in sponsorship money for a symposium in honor of Professor Darryl DesMarteau to be held during the 2007 SERMACS meeting in Greenville, SC, October 24-27, 2007.

Vice-Chair/Membership Report

The Division had, as of August 13, 2007, 672 members. We would like to thank all of you who promoted our Division and helped us to retain members and recruit new members. We welcome any suggestions for activities that will help maintain and, most importantly, expand our membership.

We continue to urge every member to actively recruit new members for the Division in our **"Member-Get-A-Member Campaign"** so as to achieve our goal of becoming a medium-size division. We would like to remind you that the first year of membership is free of charge, so please advise all of your graduate students and post-doctoral fellows to enroll.

We welcome the following new members to the Division: **Eddie D. Luzik** and **C. J. B. Jones**.

Division Councilor Report, 232nd ACS National Meeting

The ACS Council Meeting was held on Wednesday, August 22, 2007 in Boston, MA. In addition to the Council Meeting, I also participated in the Joint Board-Council Committee on Science Meeting on Saturday, August 18, 2007. Detailed below are some points of interest and information from the Council Meeting.

The newly re-invented ACS Website was launched on September 30, 2007 and features a unifying global navigation and dramatically improved user experience. The new URL is www.acs.org; users who have bookmarked www.chemistry.org will be forwarded to the new site. We have been assured that the new, improved website will be more useful than the previous ACS website, so try it out and see if it is dramatically improved and more user-friendly.

The candidates for the Fall 2007 ACS National Election were announced as follows:

President Elect 2008:

Thomas H. Lane, Dow Corning Corporation, Midland, MI
Howard M. Peters, Peters Verny, LLP, Palo Alto, CA

Directors-at-Large 2008-2010:

Janon M. Hayes, (Retired) Merced College, Merced, CA
Bonnie A. Lawlor, NFAIS, Philadelphia, PA
Kent J. Vorhees, Colorado School of Mines, Golden, CO
Frankie K. Wood-Black, Trihydro Corporation, Ponca City, OK

Director, District II, 2008-2010:

Joseph R. (Joe) Peterson (Retired) University of Tennessee, Knoxville, TN
Diane Grob Schmidt, The Proctor & Gamble Company, Cincinnati, OH

Director, District IV, 2008-2010:

Eric C. Bigham, GlaxoSmithKline, Research Triangle Park, NC
Gregory H. Roibinson, University of Georgia, Athens, GA

As of August 21, 2007, the ACS fall national meeting had attracted 15,344 registrants. Totals in select categories are as follows: Regular attendees 8,792; Students 3,518; Guests 574; Exhibit Only 784; Exhibitors 1,676. In keeping with the objective of the National Meeting Long Range Financial Plan, previously approved by the Board of Directors and Council, the Meetings and Expositions Committee approved an increase of ten dollars for the 2008 national meetings advanced registration fee.

A special discussion item was put on the Council agenda. The discussion focused on ACS policy development and advocacy efforts. ACS President Catherine (Katie) T. Hunt framed the discussion by posing three questions. (a) How can ACS encourage more members to participate by bringing their expertise to the development of more targeted policy positions? (2) What can ACS do to increase member involvement in public policy advocacy? (3) How can ACS be a more effective leader in policy activities in the broader science and technology committees? A one hour robust exchange followed offering several useful comments and suggestions. As a follow-up, you can visit President Hunt's website at www.acspresident.org for additional information.

The Committee on Membership Affairs reported that, as of July 2007, the ACS total membership was 1,100 ahead of that at the same date last year.

The Council also voted to support the request of the Committee on Chemists with Disabilities that its status be changed from an "other committee" of the Board to a joint Board-Council Committee. The Council voted to amend the acronym of the Committee on Project SEED and update the committee's charge. The acronym will be changed from "Summer Educational - Experience for the Disadvantaged" to "Summer Experiences for the Economically Disadvantaged".

The Council also voted to accept the Petition on Local Section Affiliations. The petition addresses a difference in current Society bylaws regarding the responsibilities of the Committee on Local Section Activities (LSAC) and the Committee on Divisional Activities (DAC) in oversight of the establishment of affiliations by local sections and divisions respectively. Responsibilities for LSAC in approving local sections affiliations will now parallel those currently established for DAC. To be valid, the petition next must be confirmed by the Board of Directors in 90 days.

For those of you who like to plan ahead, the Spring Meeting in 2017 will be held in San Francisco on April 2-6, 2017. The Fall Meeting in 2017 will be held in St. Louis on September 10-14, 2017. Because of dissatisfaction with Chicago and New York, the 2011 Meeting scheduled for Chicago has been moved to Denver and the 2012 Meeting scheduled for New York has been moved to Philadelphia.

Vice-Chair/Programs Report

234th ACS National Meeting

August 19-23, 2007, Boston, MA

As part of the 234th ACS meeting, the Fluorine Division held two back-to-back Symposia. A one-and-one-half-day Symposium titled “*Nanostructured Fluorocarbons: Smart Tectons for Self-Assembly*” was held on August 19-20. Twenty two presentations were given during this interesting meeting. Talks delivered by scientists from different countries highlighted recent development in areas of crystal engineering, polymers, nanocomposites and biomedical nanostructures. The Division expresses gratitude to Giuseppe Resnati and Pierangelo Metrangolo of Milano Politecnico for putting together an excellent meeting.

A two-day symposium titled “*Novel Bonding and Structural Modalities in Inorganic Fluorine Chemistry*”, organized by Gary Schrobilgen, H el ene Mercier, Alain Tressaud and Boris  emva, took place on August 21-22. The symposium was dedicated to Professor Neil Bartlett, the discoverer of noble-gas reactivity, on the occasion of his 75th birthday and the 45th year since the discovery of the first noble-gas compound. Numerous aspects of the inorganic chemistry of fluorine were covered in 29 presentations. Professor Bartlett actively participated in all discussions, asking questions and making interesting comments. The Division thanks Gary Schrobilgen, H el ene Mercier, Alain Tressaud and Boris  emva for organizing such a memorable meeting.

15th European Symposium on Fluorine Chemistry

July 15-20, 2007, Prague, Czech Republic

The 15th European Symposium was held this year at the Institute of Chemical Technology (ICT) of Czech Technical University in Prague, Czech Republic. The average temperatures during the week of July 15th were 95-105  F, and on July 16th the record high temperature for the past 200 years was registered in Prague. Despite the heat, approximately 400 participants made a total of 135 oral and over 200 poster presentations. The symposium had three parallel sessions every day and two large poster sessions were held in the afternoon on Tuesday and Thursday, July 17-19, covering the latest developments in organic and inorganic chemistry of fluorine, along with numerous and varied applications of fluorinated materials.

Upcoming Meetings

235th ACS National Meeting

April 6-10, 2008, New Orleans LA

Organizer: Viacheslav A. Petrov

The ACS Award Symposium for Creative Work in Fluorine Chemistry in honor of Professor Dennis Curran, the 2007 award winner, will be hold as a part of 235th ACS National meeting in

New Orleans. Presentations are limited to invited papers. The deadline for abstract submission is October 28, 2007.

Please visit the ACS website for further information:

<https://portal.acs.org/portal/acs/corg/memberapp>

236th ACS National Meeting

August 17-21, 2008, Philadelphia, PA

19th Winter Fluorine Conference

January 11-16, 2009, St. Pete Beach, FL

Professor P. V. Ramachandran, Chair

E-mail: chandran@purdue.edu

Dr. C. W. Martin, Co-Chair

19th International Symposium on Fluorine Chemistry (Co-sponsored by the ACS Division of Fluorine Chemistry)

August 23-28, 2009, Jackson Hole, Wyoming, USA

Organizers:

Joseph S. Thrasher, Chair (University of Alabama)

E-mail: fluorine@bama.ua.edu

Olga V. Boltalina, Co-Chair (Colorado State University)

Steven H. Strauss, Co-Chair (Colorado State University)

Richard E. Fernandez, Co-Chair (University of Alabama)

<http://www.gtlc.com/default.aspx> (venue location website)

CALL FOR PROPOSALS
2008 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 2008. 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 2008 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 2008, the Division Chair must receive an application by December

15, 2007. The application, in triplicate, should be sent to:

Prof. G. K. Surya Prakash
Loker Hydrocarbon Research Institute
USC / University Park
Los Angeles, CA 90089-1661

In addition to the three paper copies, an electronic submission in the form of a Word document should be submitted to gprakash@usc.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 2008 will be announced in the Spring 2008 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, 2008. Brief reports (two to three pages) to the Division Chair are required from the faculty member and student by October 1, 2008. 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.

Biographical Data of the Candidates for Offices of the Division of Fluorine Chemistry

Secretary Vice Chair (three-year term, 2008-2010)

Gregory E. Butler

I was born in Norristown, Pennsylvania and grew up near Collegeville, Pennsylvania. I am the oldest of five children, and the son of a construction worker. I graduated from Ursinus College in 1979.

I started as a synthetic bench chemist in 1979 at Wateree Chemical, which specialized in sulfur and phosgene chemistry. I joined Fairfield Chemical in 1981 as a bench chemist and later became production manager for the company. Fairfield specialized in sulfur chemistry; however, organo-fluorine compounds were a major portion of their product line. In 1992 I became plant manager for King's Laboratory. King's was a large scale bromination company where I spent more time being an engineer than a chemist. Their main product was cyanogen bromide, which we produced on a three ton batch scale. This led to cyanate ester monomers. This was my first experience producing, (sometimes with much frustration) fluorinated monomers.

In 1998 I was invited to help an old friend from Fairfield days, Richard Tracey, to help manage his company Oakwood Products. Oakwood specializes in sulfur and fluorinated materials primarily for the pharmaceutical industry. Since joining Oakwood our business has grown immensely. Oakwood and Fluorochem make up the Synthetic Technologies group, and I am on the board of directors. I still have a hood and I still get to work at the bench on the good days.

Oakwood sponsors the hospitality suite at the Winter Fluorine Conference and will be sponsoring the hospitality suite at the 19th International Symposium on Fluorine Chemistry in 2009.

Andrei K. Yudin

Professor Andrei K. Yudin obtained his Ph.D. degree at the University of Southern California under the direction of Professors G. K. Surya Prakash and George A. Olah. He then took a postdoctoral position in the laboratory of Professor K. Barry Sharpless at the Scripps Research Institute. In 1998, he started his independent career at the University of Toronto, where he was granted early tenure in 2002. His research interests are in transition metal catalysis, development of novel synthetic methods, organofluorine chemistry, and synthesis of complex heterocycles of biological significance. Since the beginning of his independent academic career at the University of Toronto Dr. Yudin's team has made significant contributions in several areas of organic synthesis. In the area of asymmetric catalysis, Dr. Yudin showed that introduction of fluorine atoms at selected positions of the aromatic skeletons of chiral ligands such as BINOL causes significant alterations in catalytic properties of the corresponding metal complexes. Practical electrosynthetic transformations, another group of recent contributions from Dr. Yudin's lab, provide a new way of thinking about the redox processes in organic synthesis. Dr. Yudin's approach bypasses the requirement for stoichiometric or catalytic amounts of metal additives in organic redox reactions. Dr. Yudin has also invented a new strategy for development of practical oxidation processes. His recent studies in olefin amination have led to reexamination of the conventional amination mechanism, pointing out the possibility for ligand-controlled introduction of amines into complex environments. Synthetic methods developed in Dr. Yudin's lab have enabled unprecedented levels of selectivity for introducing nitrogen-containing groups into densely functionalized molecular environments. Since joining the Department of Chemistry, Dr. Yudin has been awarded a Research Innovation Award, a Cottrell Teacher-Scholar Award, the Premier's Research Excellence Award, the CSC Award in Combinatorial Chemistry (sponsored by Merck Frosst, Boehringer Ingelheim, AstraZeneca, and BioChem Pharma), and the Amgen New Faculty Award, among others.

Executive Committee Members-at-Large (three-year term, 2008-2010)

Paul A. Deck

The third son of two chemists, Paul grew up in Trenton, Michigan, just south of Detroit. He received his B.S. at Hope College in 1987 and his Ph.D. with Paul Gassman at the University of Minnesota in 1993. After two years of postdoctoral research with Tobin Marks at Northwestern University, he joined the faculty at Virginia Tech in 1995. Today Paul holds the rank of Associate Professor and teaches mostly inorganic chemistry. He has received NSF graduate and postdoctoral fellowships, the NSF CAREER Award, and the Cottrell Scholarship of Research Corporation. He presently serves his department as Director of Graduate Studies and received the 2007 Alan F. Clifford Faculty Service Award.

Paul's research interests lie in aromatic organofluorine chemistry. His initial contributions focused on perfluoroaryl-substituted cyclopentadienes and metallocene complexes, but recently he has broadened his program to include metal-mediated CF bond activation and fluoropolymer synthesis. He received a 2006 Moissan Fellowship from the ACS Fluorine Division to enable a promising student to undertake research on fluorinated polyphenylenes.

Paul has focused his ACS service on the Southeast Regional Meeting (SERM) Steering Committee. He has held the offices of Chair-Elect and Chair (1999-2000), Secretary-Treasurer (2001-2004), and Secretary (2004-2007). Recently Paul set up a web-based electronic archive for SERM reports, documents, and correspondence that extends back to 1991 so far. If named to the Fluorine Division Executive Committee he would explore ways that the Division could work with regional meetings to develop innovative programming.

During the off hours, Paul enjoys spending time with his wife (a chemist and crystallographer) and two daughters and maintains a few hobbies (piano, chess, home improvement, and tennis).

Markus Etzkorn

Dr. Markus Etzkorn received his chemistry education at the Albert-Ludwigs-Universität at Freiburg, Germany. After completing his diploma requirements in 1994 he obtained his Ph.D. in 1998 under the guidance of Prof. Horst Prinzbach. His research focused on the synthesis and physicochemical characterization of isopagodanes, unusual cage hydrocarbons for the generation of novel radical cations and sigma-bishomoaromatic dications. He continued his work as a postdoctoral research associate at the University of Southern California's Loker Hydrocarbon Research Institute with Profs. George A. Olah and G. K. Surya Prakash. At USC Dr. Etzkorn worked in several areas, e.g., superacid-catalyzed alkylation and acylation reactions to yield new fuel additives, the generation of novel oxonium ions and a new method to introduce difluoroamine functionalities. For his contributions Dr. Etzkorn was honored as a Junior Fellow of the Loker Hydrocarbon Research Institute. In 2005 Dr. Etzkorn started his independent career at the University of North Carolina at Charlotte where he is investigating the synthesis, characterization and application of fluorinated cyclophane-like bisarenes.

Dr. Etzkorn, a Fluorine Division Member, has published in the area of organofluorine chemistry and has been contributing to meetings on fluorine chemistry since 2003. Being a young independent researcher in the field, he now would like to become more active in the Division.

Larry Ford

Larry Ford received his B.S. degree in Chemistry from SUNY Fredonia, NY in 1995. He went on to continue his studies at Clemson University, SC, where he obtained his Ph.D. under the supervision of Dr. Darryl DesMarteau in 2002. He joined NASA Langley Research Center in Hampton, Virginia under the National Research Council (NRC), Postdoctoral Fellowship, working on the synthesis of high temperature polymers and composite materials for aerospace applications in the labs of Dr. John Connell. He returned to fluorine chemistry in 2003 when he joined Honeywell Internationals Specialty materials division, in Buffalo NY working on novel fluorinated monomers and specialty fluoropolymers. In 2005 he joined W. L. Gore & Associates in Elkton, MD, where he continues to work in the fluoropolymer field which includes the synthesis of homopolymers and copolymers of tetrafluoroethylene (TFE) for niche commercial product applications. Larry is a member of ACS Division of Polymer Chemistry (Publicity Chair-2004) and Division of Fluorine Chemistry. Larry has seven patents and five papers related to the field of fluorine chemistry.

Tariq Mahmood

Tariq Mahmood is the founder of Galaxy Chemicals, LLC. Galaxy Chemicals was started in August of 2000 and specializes in the manufacture of fluorine-based products. The fluorine-containing products provided by Galaxy Chemicals are used in semiconductor and pharmaceutical industries, as well as in research and development of new drugs. Galaxy Chemicals is located in Claremore, Oklahoma in a 225,000-square-foot facility. Prior to founding Galaxy Chemicals, Dr. Mahmood held various positions at Elf Atochem (now Arkema). Positions held include Business Manager, research chemicals, and Technical Manager. He was also Manager of Special Projects, which included large-scale production of fluorine chemicals. He graduated from the University of Idaho in 1986, under the supervision of Dr. Jean'ne M. Shreeve. He synthesized many stable and long-lasting fuel cell electrolytes for his doctoral degree. His post-doctoral research resulted in the production of a new class of perfluorinated phosphazane monomers. He is the author of patents and many publications in international journals and the *Encyclopedia of Chemical Technology*, and has made presentations at ACS national meetings. Tariq has attended the last nine fluorine conferences. As president of Galaxy Chemicals, he has acted as a sponsor for many fluorine conferences.

Mark D. Watson

Mark Watson began his research career while obtaining a B.S. in Polymer Science from the University of Southern Mississippi. He conducted research successively in two separate research groups and during an industrial co-op with Schering-Plough, gaining exposure to formulation and testing of personal care products, adhesives, and coatings. To learn more about synthetic chemistry leading to polymers, he began graduate studies in the Department of Chemistry at the University of Florida. In the group of Prof. Kenneth B. Wagener he developed methods for depolymerization of elastomers and tandem olefin metathesis-hydrogenation, which served as the basis of a Ph.D. granted in 1999. During this time, he began to notice some of the unique challenges associated with organo-fluorine chemistry, and decided to delve into this field in the future. After spending nearly one year as a post-doc in the group of Prof. Klaus Muellen at the Max-Planck Institute for Polymer Research (Mainz, Germany), he was offered a semi-permanent position as project-leader in the same group. The group's research focused on the synthesis and structure-property studies of large condensed polycyclic aromatic compounds. Since 2003, Mark has been engaged in a tenure-track faculty position at the University of Kentucky, Department of Chemistry. His group focuses on adapting the unique chemistry of highly fluorinated aromatics to the synthesis of fluorinated conjugated polymers and polycyclic aromatic compounds, all with potential as organic (opto)electronic materials. The materials are also designed to exploit the unique properties of fluorinated organics to control self-assembly (attraction between fluorinated and nonfluorinated aromatics and between fluorine atoms and chalcogens).

Please VOTE by 15 November!
OFFICIAL BALLOT ATTACHED TO THIS NEWSLETTER

**OFFICIAL ELECTION BALLOT
DIVISION OF FLUORINE CHEMISTRY OFFICES FOR 2008**

SECRETARY VICE CHAIR

(Vote for One)

Gregory E. Butler []

Andrei K. Yudin []

Write-in candidate: _____ []

EXECUTIVE COMMITTEE MEMBERS-AT-LARGE

(Vote for Two)

Paul A. Deck []

Markus Etzkorn []

Larry Ford []

Tariq Mahmood []

Mark D. Watson []

Write-in candidate: _____ []

Voting Instructions:

1. Mail the completed **Official Election 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 nor will FAXed ballots or those submitted in electronic form be counted.**
2. Mail the completed ballot, **postmarked** no later than **15 November, 2007**, to:

Professor Brian A. O'Brien
Department of Chemistry
Gustavus Adolphus College
800 West College Avenue
St. Peter, MN 56082-1498
USA

AMERICAN CHEMICAL SOCIETY: DIVISION OF FLUORINE CHEMISTRY

NEW MEMBERSHIP APPLICATION **(Please check box or boxes)**
RENEWAL
CHANGE OF ADDRESS

NAME: _____
(Dr. / Mr. / Mrs. / Ms.)

EMPLOYER: _____

ADDRESS: _____

BUSINESS PHONE: _____ FAX: _____

HOME PHONE: _____ E-MAIL: _____

(By signing this form you agree that any information included above can be published, either electronically or in print, in the division's directory that is sent to all members)

CURRENT MEMBER OF ACS? YES NO

ACS MEMBERSHIP NUMBER: _____

CURRENT MEMBER OF DIVISION OF FLUORINE CHEMISTRY? YES NO

(NEW MEMBERS OF THE FLUORINE DIVISION WILL HAVE THEIR DUES WAIVED FOR THE FIRST YEAR ONLY. THE RENEWAL DUES FOR 2008 ARE \$10.00 FOR ACS MEMBERS; \$17.00 FOR NON-ACS MEMBERS.)

FOREIGN MEMBERS: PLEASE BE SURE THAT YOUR CHECK IS IN U.S. DOLLARS DRAWN ON A U.S. BANK. THE SECRETARY-TREASURER WILL ACCEPT U.S. CURRENCY, AT YOUR RISK, OR CREDIT CARD CHARGES IN LIEU OF A CHECK.

DUES ENCLOSED: \$ _____

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(All forms must be signed)

Send the completed form to: Dr. Vadim A. Soloshonok, Vice-Chair/Membership
Department of Chemistry
University of Oklahoma
620 Parrington Oval, Room 208
Norman, OK 73019-3051
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