

Fullerenes Group Breaks New Ground at ECS Meetings

In a first for ECS meetings—opening a symposium with a Sunday session—the Fullerenes Group opened on May 14 in Toronto with a standing-room-only session entitled “A Decade of Fullerene Research and Its Role in the Undergraduate Curriculum.” Keynote speaker Donald R. Huffman, of the University of Arizona, presented a fascinating account of his decades of research into the properties of arc-generated carbon materials. He described how this work culminated in 1990 with the dramatic discovery, in collaboration with W. Krätschmer, of a method for the bulk production of fullerenes.

Professor Huffman also spoke about his pioneering efforts to introduce fullerenes into all levels of education, from elementary school to graduate programs. This theme was continued in the invited presentations. Educators from Washington University in St. Louis, Rice University, Grinnell Col-

In recognition of his decades of research in fullerenes, Prof. Donald R. Huffman (center) was presented with a special plaque from Fullerenes Group Chairman Karl Kadish (left), and Vice-Chairman Prashant Kamat (right).



lege, and Wichita State University described innovative uses of fullerenes to enhance undergraduate chemistry lecture and laboratory courses. Finally, speakers from the University of Notre Dame and Clemson University presented concepts and results from their research that can be adapted to undergraduate curricula.

Other Fullerenes Group highlights included the symposium on “Nanos-

structured Materials in Electrochemistry and Photoelectrochemistry” (jointly sponsored with the Energy Technology Division), which covered recent advances in the area of semiconductor nanoclusters, self-assembled monolayers, photoelectrochemical cells, and energy conversion devices. Of note was a paper presented on the development of a nanostructured semiconductor-chromophore-based electrochromic

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Anniversary Members

It is with great pleasure that we recognize the following ECS members, who have reached their 30-, 40-, 50-, and 60- year anniversaries with the Society in 2000. Congratulations to all!

60-Year Members

Edmund C. Knill

50-Year Members

Joab Auerbach
R. E. Friedrich
Ernest L. Koehler
Fielding Ogburn
Ralph A. Ruscetta
Joseph S. Smatko
Dennis R. Turner
Ernest B. Yeager

40-Year Members

George A. Di Bari
John L. Devitt
Werner Haas
Fumio Hine
K. E. Johnson
Yung Ling Ko
Thomas B. Reddy
Brian F. Taylor
Forrest A. Trumbore
Rolf Weil
Robert K. Willardson

30-Year Members

William A. Adams
Takashi Agatsuma
Gunter Barthel
Kenneth E. Benson
George E. Blomgren
John Broadhead
Keith T. Burnette
Huk Y. Chen
Mao-Chieh Chen
Nabendu S. Choudhury
Leon D. Crossman
Frederick W. Dampier
Michael J. Danielson
Giovanni Davolio
Owen F. Devereux
James J. Egan
Francis P. Fehlner
M. Elaine Fiorino
Brian J. Fitzpatrick
Robert W. Francis
Harvey A. Frank
Marvin A. Genshaw
Jacob Jorne
John H. Kennedy

Walter F. Krolikowski

Glenn O. Mallory
L. G. Marianowski
Frank R. McLarnon
Millard G. Mier
Ronald C. Miles
Kazuhide Miyazaki
Romano Morlotti
John S. Newman
John B. O'Sullivan
Nobuo Ogawa
Martin C. Peckerar
Stanley I. Raider
Jean-Paul Randin
Jon D. Schieltz
Milton M. Silver
George Simovich
Stuart M. Spitzer
Katsuro Sugawara
Dale F. Taylor
James J. White
M. Stanley Whittingham
George S. Wilson
Wayne L. Worell

Fullerenes

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display device. A prototype paper-quality display device demonstrated at the symposium was shown to possess excellent contrast and angle-independent display properties compared with conventional liquid crystal display devices. This technology is currently being evaluated for a number of applications, including automated pricing displays at retail stores and hand-held devices such as cell phones. The speaker, Donald Fitzmaurice of University College Dublin, remarked that this

was an excellent example of how electrochemistry has enabled the use of nanostructured materials in practical devices.

In recognition of the tenth anniversary of Professor Huffman's key discovery, which led directly to the explosive growth of fullerene research, the Fullerenes Group honored him with a plaque presentation at its Wednesday luncheon meeting.

Ed. Note: Bruce Weisman of Rice University contributed to this report.

First Student Chapter Formed

The first ECS student chapter was formed this past spring at the University of Central Florida, under the auspices of the Georgia Local Section. It held its first meeting on April 7. The following officers were elected: Jorgen Akesson, President; Steve Schwartz, Vice-President; Kedar Sapre, Secretary; Jeff Ramsdell, Treasurer; and Surasak Wannaparhun, Public Relations Officer. Among other activities, the

chapter plans to hold two major meetings each year, and will include an invited speaker from industry or academia. The members also plan to visit local high schools to foster excitement and encourage participation in ECS fields. ECS Student Chapters were enabled in 1997, when the ECS Board of Directors approved guidelines for their formation.

Division and Group News

New officers for the 2000-2002 term have been elected for the following Divisions and Group:



Dielectric Science and Technology

Chairman

Rick Ulrich

Vice-Chairman

Cindy Reidsema-Simpson

Secretary

Jamal Deen

Treasurer

Henry Hughes



Industrial Electrolysis & Electrochemical Engineering

Chairman

Clifford W. Walton

Vice-Chairman

Peter C. Foller

Secretary-Treasurer

Gautam Pillay



Fullerenes

Chairman

Prashant V. Kamat

Vice-Chairman

Francis D'Souza

Secretary

Luis L. Echegoyen

Treasurer

Karl Kadish

Members-at-Large

Shunuchi Fukuzumi

Dirk Guldi

Michele Maggini

Nazzario Martin

Steve R. Wilson

Bruce Weisman

ECS Affiliates News

QUALLION LLC recently joined the Affiliates program as a Contributing Member at the Sustaining level. Quallion is a company involved in research into components of medical devices. Quallion was founded in 1998 and has been involved in many aspects of medical device components, including biocompatibility, miniaturization, and power sources. The company is located in Santa Clarita, California, and may be contacted at 661.775.3985.

INTERNATIONAL FUEL CELLS has joined the Affiliates program as a Contributing Member at the Sustaining level. International Fuel Cells (IFC) is a division of United Technologies Corporation. IFC is one of the largest companies in the world devoted solely to fuel cell technology. The company has a 40-year history of supplying power sources to NASA's manned space program. Visit the company at www.internationalfuelcells.com.

VALENCE TECHNOLOGY INC. has joined the Affiliates program as a Contributing Member at the Sustaining level. Valence is engaged in research and development to produce advanced rechargeable batteries based upon lithium ion and polymer technologies. Visit the company at www.valence.com.

The ECS Affiliates program allows Affiliates to take advantage of new opportunities in special advertising and exhibiting offers. Learn more about the program on the Web: www.electrochem.org/affiliates.html, or call Barbara Baggott, ECS Affiliates Coordinator at 609.737.1902, ext.103.

New Society Officers

New Society officers assumed their duties on May 20, 2000: Carlton M. Osburn as 2000-2001 president, Bruno Scrosati as the Society's third vice-president, and Paul Natishan as secretary.

Looking ahead, the following names were approved for the next Society slate of nominations: Robin A. Susko and Russ Y. H. Wong for vice-president. Ballots will be sent to all members in January 2001.