

New ECS Member Benefit: Access to the ECS Online Archive

Members of ECS have an important new member benefit this year: the ability to access a new set of content from the *Journal of The Electrochemical Society* (JES). All JES issues from 1996 through 1998 are now available online. ECS has been working with the American Institute of Physics (AIP) to digitize the legacy content of JES, and this first phase was completed at the end of 2004. This year, the project will capture another, larger segment of JES: 20 years of issues, from 1995 back to 1976. (All content from the Society's other technical journal, *Electrochemical and Solid-State Letters* (ESL), has been available online since that publication made its debut in mid-1998.) In 2006, the ECS journals content will become two separate online entities. In any given year, the previous five years of content will be designated as the "backfile," and content older than five years will become part of the *ECS Online Archive*. ECS members, or current subscribers, will have access to

the backfile.

ECS members will greatly benefit when this second set of JES content has been captured, because the ECS Publication Committee and Board of Directors recently approved a policy of free member access to the *ECS Online Archive*. The ECS journals are the two top-ranked* journals in the field of electrochemical and solid-state science, making this additional content a valuable research tool, and especially appealing to ECS student members. Institutional subscribers to the ECS journals will have the ability to purchase a subscription to the *ECS Online Archive* for a very small fee.

The process of capturing this content involves many steps. Full-text PDF articles are created, as well as HTML-formatted tables of contents, abstract pages, and searchable database records. AIP is also assigning scientific indexing terms to these articles. The HTML-formatted files have a "look and feel" and functionality that is consistent

with the ongoing journal issues. AIP also will provide the links to the article collection features, online document delivery services, searchable database features, and user navigation links, as is currently done for ongoing issues.

The Society hopes to capture the rest of its technical journal content, all the way back to when ECS was founded in 1902; however, a project of this scope requires a large investment of time and money. ECS development activities have raised some of the money required and will continue to appeal for support. The Society's Publication and Executive committees have made a commitment to continue the project and make this content available online as quickly as possible. If you are interested in supporting the *ECS Online Archive* project, please visit the "Centennial Campaign Appeal" on the ECS website.

* This ranking is based on the impact factors as reported in the ISI Science Citation Index.

Leadership Circle Award



John R. Malloy, Jr. (right) recently accepted a silver level Leadership Circle Award on behalf of E. I. DuPont de Nemours, HD Microsystems from ECS Executive Director, Roque Calvo, in a ceremony held at the ECS headquarters in Pennington, New Jersey. E. I. DuPont de Nemours, HD Microsystems has been a corporate member of ECS for 17 years.

Visit them on the Web at www.hdmicrosystems.com.

In Memoriam

At press time, the Society learned of the passing of one its long-time members and most notable of volunteers, Paul C. Milner. ECS mourns the loss of this true friend. There will be a full notice of his passing in the fall 2005 issue of *Interface*.

THE BENEFITS OF MEMBERSHIP CAN BE YOURS!

Join now for exceptional discounts on all ECS publications, page charges, meetings, and short courses.

www.electrochem.org

- *Journal of the Electrochemical Society*
- *Electrochemical and Solid-State Letters*
- *Interface*, the ECS Member Magazine
- Professional Development and Education
- Discounts on Meetings and Publications
- Honors and Awards Program
- Career Center

Staff Changes at ECS



ELISHA NICHOLSON joined ECS this past January as Production Assistant for the Publications Department, reporting to Mary Yess, ECS Deputy Executive Director.

As Production Assistant, Elisha's primary responsibility is the design, layout, and production management for the Society's magazine, *Interface*. Elisha also acts as the advertising manager for *Interface*. She works closely with the Book Program Coordinator, managing the production of the Society's proceedings volumes and associated CD-ROMs; as well as with the Meetings Department to provide design and layout of all meeting collateral materials. Along with these core responsibilities, she supports the ECS headquarters staff with their other various graphic design needs.

Elisha comes to the Society from an international commercial real estate firm, Studley, Inc., headquartered out of New York. She worked as a graphic designer in their Northern Virginia office, where she provided design, layout, and production management for various marketing materials, as well as any office sponsored events. While with Studley, she collaborated with their headquarters graphics team in their corporate branding initiative and various other corporate sponsored meetings and events. Before working with Studley, Elisha worked for several years with a graphic design firm, CGS Solutions,

located in Maryland. While with CGS, she rose to Customer Service Manager, overseeing all aspects of print, design, and web development projects. In this position, Elisha became familiar with all aspects surrounding the design, production, and development of various publication medium, growing her interest in the graphic design field.

"Elisha brings a wealth of skills to this position," said Mary Yess. "Readers of *Interface* will already see some of her innovations in place. As the Society's programs change and grow, Elisha is able to share her experience in developing the marketing materials needed by ECS to create a clear identity for the Society. Elisha is a very welcome addition to the ECS staff."



STEPHANIE PLASSA joined the ECS staff this past January as the Director of Meetings and Exhibits. A *cum laude* Ivy League (University of Pennsylvania) and law school graduate (Temple University

School of Law) with extensive entrepreneurial experience, Stephanie brings a unique background to her position. Prior to joining ECS, she enjoyed a career as an independent event planner, organizing meetings and special events in commercial, corporate, charitable, social, and academic settings. Her most recent project before joining the Society was a yearlong stint at Princeton University, developing and implementing a series

of conferences and special events to promote a high-profile strategic planning initiative for the School of Engineering and Applied Science.

"Along with her experience and education, Stephanie brings a tremendous amount of energy to her new position with the Society," said ECS Executive Director Roque Calvo. "Stephanie should have an immediate impact on the success of ECS meetings."



VALERIE YACKO joined the society this past January as the Administrative Assistant to the Executive Director. She is a 2004 graduate of the University of Connecticut where she earned

a bachelor's degree in political science. Valerie comes to ESC from a pharmaceutical company where she was an executive assistant who worked in Regulatory Submission and Document Management. She also brings six years of experience as a legal clerk. When not at ECS, Valerie enjoys spending time with her family and friends, traveling, reading, and volunteering for various causes. "The Society is very fortunate to have someone with Valerie's ability to assist with the management of our Committees and Board of Directors," said Roque Calvo, Executive Director. "We are pleased to have her as part of the headquarters team."

Anniversary Members

It is with great pleasure that we recognize the following ECS members, who have reached 30-, 40-, 50-, and 60-year anniversaries with the Society in 2005. Congratulations to all!

30-Year Members

John Angus
Brian Barnett
Matthew Buynoski
Daniel Eustace
Richard Fair
Peter Fedkiw
Sorab Ghandhi
H. Gibbard
Ilan Golecki
Richard Granata
Thomas Herman
Robert Higgins, Jr.
Charles Hussey
Eugene Irene
Chris Johnson
Vikram Kapoor
Andrew Kindler
Paul Kohl
Albert Landgrebe
Clarence Law, Jr.
Arthur Learn
Joseph D. Luttmer

Digby Macdonald
Barry MacDougall
Hansraj Maru
Hisham Massoud
Patrick Moran
Mark Morrison
Norvell Nelson
William O'Grady
Keith Oldham
R. Prengaman
R. Rauh, Jr.
John Reardon
Rafael Reif
Frederick Schmid
Towfik Teherani
Walter Tracinski
Donald Vissers

40-Year Members

James Amick
Robert Baboian
Yasutaka Ban
Allen Bard

Charles Fleischmann
Juan Haydu
Werner Kern
Kimio Kinoshita
Charles Levine
Nicholas Maskalick
James McBreen
Barry Miller
Lyuji Ozawa
Dominique Piron
Velimir Pravidic
Prosenjit Rai-Choudhury
Stanley F. Rak
Robert Ratchford
Martin Royce
Franklin Schultz
David Shores
William Vierow
J. Bruce Wagner, Jr.
Earl Winters
Michael Wislowski

50-Year Members

Robert Bakish
Jefferson Cole
Bruce Deal
Nicholas Fatica
James Hoare
Henry Ivey
Karl Kordesch
David Lupfer
George Miller
Henry Rahn
David Vermilyea

60-Year Members

Robert Lambert
Thomas O'Nan

as the active agent. Hess wrapped up his talk by acknowledging the many mentors who have had a profound influence on him starting at the undergraduate level (Bob Rapp and Tony Izbecki), then in graduate school (Fred Fowkes), and culminating in his professional career in industry and academia (Bruce Deal, Jud King, Klavs Jensen, and others). Finally, he acknowledged his "life mentor," namely his wife, Pat Weidner-Hess.

AFM and STM for the Rest of Us

The Sunday evening talk in the "XYZ for the Rest of Us" series has turned out to be an enormously popular feature of the ECS meeting program in recent years. This particular talk, on scanning probe microscopies, was given by **ANDREW GEWIRTH** of the University of Illinois, Urbana-Champaign. Gewirth began his lecture by pointing out that, after a very quick recognition of the importance of the discovery of scanning tunneling microscopy (STM) with Nobel Prizes to Binnig and Rohrer, this group of techniques has undergone infusion from the physics to the chemistry communities in the 1980s and 90s. Since the 90s, it has been embraced by the polymer and biological communities, thanks to the advent of atomic force microscopy, or AFM. (Unlike STM, AFM facilitates the examination of non-conductive sample surfaces.) The speaker noted that the hallmark of a truly revolutionary group of techniques is that they do not simply peak and die but they continue to grow. Certainly this group of techniques has enjoyed rapid growth and has progressed beyond use only by specialists thanks to user-friendly and commercially available instrumentation. After a nice review of the underlying principles, Gewirth mentioned examples of the use of STM,

not only in ultra-high vacuum, but also for examination of surfaces immersed in solution and under electrochemical control.

The speaker then turned to a discussion of AFM, mentioning the pioneering contributions by Binnig, Quate, and Gerber in 1986. The various modes of application of AFM were then enumerated with examples drawn from DNA on mica, phase transitions in phospholipid bilayers, benzotriazole films on copper, and purple (light-driven proton pump) membrane surfaces. A discussion of magnetic force microscopy (where magnetic regions on a sample are made to "light up") and lithography (including a very recent innovation, dip pen lithography) was followed by a discussion of force-distance curves. It was noted that AFM data do suffer from a lack of chemistry-specific information content—a handicap that can be addressed by chemical force microscopy. Finally, examples showing sensitivity of images to surface charge were shown using a silica tip rastered on a copper surface and using solution pH as a variable. All in all, this was a particularly lucid lecture dealing very effectively with the challenge of covering a large territory to a diverse audience comprised of both specialists eager to flesh out the latest advances, and neophytes curious to learn about how the techniques worked and what was possible in terms of morphological characterization. ■

Meeting Highlights was prepared by Krishnan Rajeshwar and Mary Yess, Interface's Editor and Managing Editor respectively.

Results of 2005 ECS Election of Officers and Slate for 2006

The ECS Tellers of Election have announced the results of the 2005 election of Society officers, with the following persons elected: for President—William H. ("Bill") Smyrl, University of Minnesota; and for Vice-President—D. Noel Buckley, University of Limerick, Ireland. The terms of Mark Allendorf (Vice-President), Barry MacDougall (Vice-President), Peter Fedkiw (Treasurer), and Petr Vanýsek (Secretary) were unaffected by this election.

At the Board of Directors meeting in Québec City, Canada on May 19, 2005,

members of the Board voted to approve the slate of candidates recommended by the ECS Nominating Committee. The slate of candidates for the next ECS election of officers, to be held in January 2006, include: for President—Mark Allendorf; for Vice-President (one to be elected)—Curtis Holmes and Paul Natishan; and for Treasurer (one to be elected)—Subhash Singhal and John Susko. Full biographies and candidate statements will appear in the winter 2005 issue of *Interface*. ■

New Division Officers

New officers for the 2005-2007 term have been elected for the following divisions.

Electronics and Photonics

Chair

Jerzy Ruzyllo

Vice-Chair

Albert Baca,
Junich Murota

Secretary

David Harame

Treasurer

Rodney Ridley

Members-at-Large

Helmut Baumgart, Noel Buckley, George Celler, Pablo Chang, Cor Claeys, Sorin Cristoloveanu, Jamal Deen, Manfred Engelhardt, Laszlo Fabry, Petra Feichtinger, Robert Fitch, Ulrich Gösele, Fernando Gonzalez, Takeishi Hattori, Dennis Hess, Andrew Hoff, Howard Huff, Hiroshi Iwai, Chennupati Jagadish, Bernd Kolbesen, Yue Kuo, Durga Misra, Geald Oleszek, Carl Osburn, Fan Ren, Fred Roozeboom, George Rozgonyi, Kenji Shiojima, Ed Stokes, and Masaharu Watanabe



Energy Technology

Chair

Jai Prakash

Vice-Chair

Karim Zaghbi

Secretary

S. Narayanan

Treasurer

Jean St-Pierré



Organic and Biological Electrochemistry

Chair

James Rusling

Vice-Chair

Isao Taniguchi

Secretary-Treasurer

Albert Fry

Members-at-Large

Alain Bergel, James Burgess, Flavio Maran, Duane Mazur, Ikuzo Nishiguchi, Mark Workentin, and Andrei Yudin



Physical and Analytical Electrochemistry

Chair

Gessie Brisard

Vice-Chair

Hugh DeLong

Secretary-Treasurer

Paul Trulove

Members-at-Large

Daniel Belanger, Ingrid Fritsch, Hubert Gasteiger, Shelley Minter, Greg Swain, and Tom Zawodzinski

