



Heinz Gerischer Award of the ECS European Section

At the recent ECS meeting in San Francisco, the ECS Board of Directors approved the establishment of a new award, the Heinz Gerischer Award of the European Section. The Section plans to present the first award at the ECS meeting in Paris in the spring of 2003. The award honors the late Professor Gerischer (pictured above), who had made immense contributions to the science of semiconductor electrochemistry, photoelectrochemistry, and to physical and materials chemistry in general. The award is also intended to recognize the scientific leadership of Professor Gerischer and his tireless efforts to promote scientific collaboration in post-WWII Europe. The establishment of the prize was supported by a generous contribution from the family of Prof. Gerischer and Dr. Renate Gerischer.

The award consists of a plaque, a check for the sum of 2000 EURO, and if required, financial assistance for travel expenses incurred to receive the award, not to exceed 1000 EURO. The objectives of the prize are to recognize an individual or a small group of individuals (no more than three) who have made outstanding contributions in the same areas as Prof. Gerischer did. The award will be given biannually and the winner will be invited to deliver the Gerischer Prize Lecture during the international meeting at which the prize will be presented. No individual can win the award more than once, and candidates need not be members of ECS.

Heinz Gerischer (1919-1994) studied chemistry at the University of Leipzig from 1937 to 1946, where he received his doctoral degree. From 1946 to 1949, he was an assistant professor at Humboldt University in Berlin. In 1949, he joined the Max Planck Institute (MPI) for Physical Chemistry,

and became a senior research fellow at MPI for Metal Research in 1954, and a scientific member of that institute in 1960. In 1956, he was appointed a lecturer at the Technical University of Stuttgart.

Gerischer joined the Technical University of Munich, where, in 1962, he became an Associate Professor of Electrochemistry. In 1964, he was appointed Professor of Physical Chemistry and Director of the University's Institute of Physical Chemistry and Electrochemistry. In 1970, he was appointed Director of the Fritz Haber Institute of MPI in Berlin, and held that position until his retirement in 1987.

Professor Gerischer published over 300 papers in the areas of electrochemical kinetics, fast reactions in solution and at electrodes, electrocatalysis, metal deposition and corrosion, semiconductor electrochemistry, and photoelectrochemistry. He served as editor of *Advances in Electrochemistry and Electrochemical Engineering*, and of *Advances in Electrochemical Science and Engineering* (both with Charles Tobias). He also served as an Associate Editor of *Electrochimica Acta*.

ECS Welcomes Arizona Section

With the spectacular economic growth of Arizona in the past several years, there have been many industrial and academic activities in the area of electrochemical science, especially in the greater Phoenix and Tucson areas. During the fall 2000 ECS meeting in Phoenix, many members felt the need to have a formal Section in order to facilitate professional interactions among the members. Several members met at the Arizona State University, Engineering Research Center (courtesy of Karl Sieradzki, a long time active member of the Society) on August 28, 2001 and voted to form an Arizona Section. The Board of Directors approved the bylaws of the Section at its fall meeting in San Francisco this past September. The Arizona Section currently has about 180 listed members and represents all ECS members from the state of Arizona, with the number of active members steadily increasing.

The members have elected the following as the officers of the Section of the Society:

Gautam Banerjee, Rodell, Phoenix, Chairman
Don Gervasio, Motorola, Tempe, Vice-Chairman
Miomir Vukmirovic, ASU, Tempe, Secretary
Chris Baker, ACME Electric, Tempe, Treasurer

Section members have varied interests in the areas of battery and energy technology, electrodeposition, chemical mechanical planarization, corrosion, catalysis, dielectric science and technology, and others. Arizona is poised to have a very active Section.

Gerischer spent several periods in the U.S., as a visiting professor or research fellow, including stays at the University of California (Berkeley), the University of Florida (Gainesville), California Institute of Technology, and the University of Texas (Austin). He received numerous honors and awards, including the ECS Olin Palladium Medal (1977). The Society is proud to be the home of this new award. ■

Detroit

The Detroit Section held a meeting on September 10 in Warren, Michigan. Featured was a presentation entitled "Status and Prospect of Thin-Film Amorphous Silicon Photovoltaic Technology" given by Dr. Jeff Yang, Vice President of R&D of United Solar Systems Corp. in Troy, Michigan. According to Dr. Yang, thin-film amorphous silicon photovoltaic technology has emerged as a strong contender for providing low-cost photovoltaic products to meet the energy needs of the 21st century. Building-integrated photovoltaic applications are being demonstrated

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Gwendolyn B. Wood Section Excellence Award

At the recent Joint International Meeting in San Francisco, the 2001 Gwendolyn B. Wood Section Excellence Award was presented to two ECS Sections: NATIONAL CAPITAL and NEW ENGLAND. The purpose of the award is to honor those sections whose level of activity serves to strengthen the Society and to encourage and reward good management and operations of the Sections. The rating system for this award was recently revised and approved at the ECS Board meeting in San Francisco. To measure Section activity, specific functions have been rated for their

contributions to both Section and Society well-being and to encourage communication. Point values have been assigned to specific functions common to Sections of all sizes with an attempt to minimize the difference between Sections. The Section with the most points receives a certificate from the President of the Society, and a cash award of \$200.00. Each Section with 6,500 or more points will be accorded the title "Master Section." Both Sections this time have surpassed the 6,500 point level—congratulations! ■

Your Section Dues

The amount raised by your Section through dues collection is only half the story. Upon request, the Society will match Section dues, dollar for dollar, up to \$6.00 per member. (In order to provide equitable grants, each Section must apply to the Society office by July 1 of each year.) In addition to this financial support, the Society headquarters offers a number of other different services to Sections. These include: blank award cer-

tificates for use at Section fairs and contests, and past chairman pins for retiring Section chairmen. Also available are copies of the Council of Sections Handbook, which includes the Section Reporting Guidelines and a Directory of Officers for other Sections. For more information, or to request these items, contact Ellen Tiano at Society headquarters, tel.: 609.737.1902, ext. 111, e-mail: ellen.tiano@electrochem.org. ■

Section News

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worldwide. Public awareness of environmental and ecological issues has provided a great opportunity for low-cost photovoltaics to show viability as a major energy source. Dr. Yang gave a detailed description of the thin-film amorphous silicon photovoltaic technology and highlighted the R&D activities at United Solar Systems Corp.

New England

The Section held their first dinner meeting of the 2001-02 season in Medford, MA on September 4. Professor Henry S. White, Department of Chemistry, University of Utah, spoke on "Electrochemical Imaging of Ionophoretic Transport Across Skin." Ionophoretic transdermal drug delivery involves the passage of water, ions, and medicine-like molecules driven through the skin under the influence of an applied electric field. Prof. White's group has used scanning electrochemical microscopy to detect transport pathways (channels) in mouse and human skin. Methods and results for determining the contributions of diffusion, migration, and electroosmotic transport were presented. It was determined that ionophoretic transport occurs mainly through hair follicles. ■

The Benefits of Membership Can Be Yours!

- **Journal of The Electrochemical Society**—ECS membership includes this top-quality, peer-reviewed monthly publication. Each issue includes more than 60 original papers selected by a prestigious editorial board on topics covering both electrochemical and solid-state science & technology. Papers are published as available at ojps.aip.org/JES/.
- **Electrochemical and Solid-State Letters**—ECS's rapid-publication, electronic journal. Papers are published as available at ojps.aip.org/ESL/. This peer-reviewed journal, also a member benefit, covers the leading edge in research and development in all fields of interest to ECS. It is a joint publication of the ECS and the IEEE Electron Devices Society. Both the *Journal* and *Letters* are produced on the American Institute of Physics OJPS platform.
- **Members Magazine**—ECS members also receive *Interface*, a quarterly publication which features topical scientific articles, news about people and events, and announcements of upcoming meetings.
- **Professional Development and Education**—Exchange technical ideas and advances at ECS's two comprehensive meetings in the spring and fall of each year, or through the programs of 23 Sections in the United States, Canada, Europe, Japan, and Brazil.
- **Publications**—Keep aware of pertinent scientific and technological advances through the variety of ECS publications, including proceedings volumes, meeting abstracts, and monograph volumes.
- **Opportunity for Recognition**—Recognize the accomplishments of your friends and peers through the Honors and Awards Program, which includes over two dozen Society, Division, Group, and Section awards and the distinguished ECS Fellow designation.
- **Membership Directory**—Available only to members, the directory provides an easy reference to colleagues throughout the world.

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