

Voting Goes Virtual

Electors of the American Physical Society (APS) Forum on Industrial and Applied Physics (FIAP) enter a new era this month. E-mail voting for candidates for the Forum's executive committee has been added to FIAP's traditional snail-mail voting. Indeed, the majority of electors are expected to cast their votes electronically.

FIAP's virtual voting booths will be housed on its Web site (check it now at www.aps.org/FIAP). The site will also include biographical information about the candidates and statements from them. Committee members elected this year will assume office next March.

Since its founding in 1995, FIAP has provided a strong voice for industrial physicists, both within the physics community and among the companies and corporations that underpin the nation's economic strength. FIAP derives its influence from the strong leadership of its elected officers and the active participation of members in the Forum's professional and educational efforts.

At this year's Centennial meeting of the APS in Atlanta, new and continuing members of the executive committee were installed. The move to electronic balloting is but one new effort by the FIAP leadership, which has set using the Web site to streamline the flow of information about FIAP to its 5,500 members as a major goal. Implementing this new initiative will fall to the committee's 12 members, led by chair Galen B. Fisher of Delphi Automotive Systems. Other officers are James Kaufman of IBM, chair-elect; Laura Smoliar of 3D Technology Laboratories, vice chair; and Jennifer Zinck of Hughes Aircraft, who is secretary-treasurer.

Fisher, whose research has included catalytic chemistry, chemical sensors, and emission controls, spent 21 years at Gener-

al Motors Corp. Currently he is a principal research scientist at Delphi Automotive Systems in Warren, Michigan, the high-tech component and systems supplier that GM spun off in the last month as a new and independent company.

member who serves as the Forum's voting member on the APS Council, is Matthew Richter, applications manager for On-line Technologies in Palo Alto, California. This is his fourth and final year as councilor.

Keeping the membership informed about

FIAP activities falls largely to newsletter editor Stephen Rosenblum. As a senior scientist at Advanced Energy Industries in Milpitas, California, he has done research and development in ion sources and hard-disk media deposition. As editor of *The FIAP*, he urges members to rush any Forum-related news or notes to him (steveros@aew1.aei.com).

The board also includes six members-at-large.

Cherry Ann Murray directs the Physical Research Laboratory at Lucent Technologies' Bell Laboratories in Murray Hill, New Jersey. After joining the laboratories' technical staff in 1978, she built up

a broad background in low-temperature, surface, condensed-matter, small-cluster, and complex-fluid physics and headed several departments before becoming a laboratory director in 1997.

Board member Eric K. Moser is a senior scientist in the advanced devices and systems group of Intermagnetics General Corp. in Albany, New York. There he has been involved in developing new business concepts, primarily in the areas of cooled electronic devices, refrigeration technology, and superconductor-based systems.

At Ford Motor Co., Willes H. Weber supervises research groups specializing in optical and surface physics. He has also held editorial positions on journals of the Optical Society of America (OSA), and he is a Fellow of both APS and OSA.

James McCambridge is a research physicist with DuPont Superconductivity at



Pretending they each own a Ford concept car, past and present members of the FIAP executive committee at the APS Centennial meeting are (top row) Jamie Kaufman, Craig Davis, Margie Weiler, David Wollman, Bill Weber, Galen Fisher, Laura Smoliar, Udo Pernisz, John Rowell, Jenna Zinck, and Matt Richter; (bottom row) Eric Moser, Cherry Murray, and Jim McCambridge.

Kaufman joined IBM as a postdoctoral fellow in 1983 at its Almaden Research Center in San Jose, California. Today he manages an interdisciplinary team that includes physicists, chemists, and engineers. Their efforts range from investigating the fundamental physical limits of key technologies to new materials research and device development.

Smoliar is vice president for research and development at 3D Technology Laboratories in Sunnyvale, California. Currently her research focuses on studying the chemistry needed to improve photonic devices.

Zinck's research interests involve semiconductor growth and processing, advanced composite materials, and chemical sensors. She is a senior research scientist at HRL Laboratories in Malibu, California, which serve as the corporate laboratories for Hughes Electronics and Raytheon Co.

The FIAP councilor, the executive board


DuPont's experimental station in Wilmington, Delaware. He has worked on fabricating and characterizing large-area high- T_C superconductors, primarily for commercial microwave applications. Recently, he began investigating ferroelectric thin films for use in tunable microwave devices.

David Wollman puts his physics training to work with the cryoelectronics metrology group at the National Institute of Standards and Technology in Boulder, Colorado. His research focus is on developing high-energy-resolution microcalorimeter X-ray detectors and demonstrating their use in X-ray microanalysis, particularly for applications in the semiconductor industry.

At Dow Corning Corp. in Midland, Michigan, Udo Pernisz has worked on electronic and dielectric properties of thin-film ceramics and on resins for use in integrated circuits, and has built electronic devices based on these materials. Today, he heads a new center dedicated to making the expertise of physicists available to R&D projects throughout Dow Corning.

To keep its members up-to-date on FIAP, the Forum maintains an informative Web site. By logging on, members have access to the latest listing of FIAP events, job opportunities, current and past newsletters, summaries of the articles published in *The Industrial Physicist*, and a speakers list.

Information about future FIAP-sponsored events is available on-line, including symposia held annually at the APS March meeting, the American Institute of Physics (AIP) Corporate Associates meeting, and other selected conferences each year.

Job hunters can visit useful employment listings selected by FIAP with assistance from APS and AIP. The speakers list provides the names of volunteers who will speak to students, technical staffs, and general audiences about industrial and applied physics. 

The Forum department is initiated by the American Physical Society's Forum on Industrial and Applied Physics (FIAP). For further information on FIAP, please contact the chair, Galen B. Fisher (galen.b.fisher@delphiauto.com).