



Drew Hoff

Drew Hoff Elected Chair of Electronics and Photonics Division of Electrochemical Society

TAMPA, Fla (May 29, 2013) – **Drew Hoff**, professor in the Electrical Engineering Department, has been elected to the chair position of the Electronics and Photonics Division (established in 1932) of the Electrochemical Society (ECS), which was established in 1902.

According to the society's website, the computer and communications age has catapulted electronics to its current status as the dominant global industry and is currently in the midst of a revolution stimulated by the availability of inexpensive information acquisition, manipulation, and distribution systems. This revolution is dependent on our ability to control electronic materials and materials processing techniques for the manufacture of useful devices, circuits, and systems. Exploitation of electron and hole conduction in solids has resulted in electronic memory and logic circuits such as the Dynamic Random Access Memory (DRAM) and microprocessors. Control of the interaction of photons with solids has resulted in optical devices such as the laser and optical-fiber networks. The reparation and detailed processing sequence of a material from crystal growth through device and circuit fabrication determines the microstructure and electronic properties of the material and, therefore, device and circuit characteristics. Device and circuit performance, yield, and reliability are strongly dependent on the interaction between the properties and processing of materials. The Electronics and Photonics Division (EPD) actively promotes the dissemination of information involving these phenomena.

The ECS has more than 8,000 scientists and engineers in over 70 countries worldwide who hold individual membership, as well as roughly 100 corporations and laboratories that hold corporate membership. ECS's objectives are:

- to advance the theory and practice of electrochemistry, solid-state science, and allied subjects;
- to encourage research and dissemination of knowledge in these fields; and
- to assure the availability of adequate training and education of fundamental and applied scientists and engineers in these fields.

-USF-

The University of South Florida is a high-impact, global research university dedicated to student success. USF is classified by the Carnegie Foundation for the Advancement of Teaching in the top tier of research universities, a distinction attained by only 2.2 percent of all universities. The Carnegie Foundation also classifies USF as a community engaged university. It is ranked 44th in total research expenditures and 34th in federal research expenditures for public universities by the National Science Foundation. The USF System has an annual budget of \$1.5 billion, an annual economic impact of \$3.7 billion, and serves 47,000 students in Tampa, St. Petersburg, Sarasota-Manatee and Lakeland.

Janet Gillis
Communications Officer
USF College of Engineering
813-974-3485
janetgillis@usf.edu