



**Sadow**

## **Sadow Receives 2011 IEEE Outstanding Engineering Educator Award**

**TAMPA, Fla (December 12, 2011)** – Electrical Engineering Professor Stephen Sadow received the 2011 Outstanding Engineering Educator by the Florida Council of the Institute of Electrical and Electronics Engineers (IEEE). The Florida Council is comprised of 12 sections, representing over 9,500 IEEE members.

The award recognizes a member of IEEE in the state of Florida who has shared technical and professional abilities through teaching in industry, government or in an institution of higher learning and, in so doing, has made an outstanding contribution to the electrotechnology profession.

Dr. Sadow's research interests are to develop wide-band gap semiconductor materials for biomedical applications MEMS/NEMS applications. His group has demonstrated the *in-vitro* biocompatibility of 3C-SiC to numerous cell lines and lately his research has focused on the central nervous system.

He was appointed in 2009 to the Department of Molecular Pharmacology and Physiology in the USF College of Medicine based on the interdisciplinary nature of this work. His ultimate research objective is to develop smart sensors for harsh environments and biomedical applications based on wide band gap semiconductor materials. His main expertise is in the development of a hot-wall CVD growth capability specializing in the growth of SiC epitaxial films on Si substrates.

He is a senior member of the IEEE and more than 100 publications on SiC materials and devices, with nearly half in archived journals. He recently edited a book ***Silicon Carbide Biotechnology: A Biocompatible Semiconductor for Advanced Biomedical Devices and Applications*** (Elsevier, ©2011).

For more information on Dr. Sadow's research activities visit his homepage at <http://www.eng.usf.edu/~sadow>.

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*\$1.5 billion, an annual economic impact of \$3.7 billion, and serves 47,000 students in Tampa, St. Petersburg, Sarasota-Manatee and Lakeland.*

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