

Call for Presentations The 2006 IEEE Key West Computer Elements Workshop

January 8-11 2006 — Key West, Florida, USA
www.unf.edu/cccec/ieee/index.html

Sponsored by the
IEEE Computer Society Technical Committee on
Computer Elements



As computers become more widely used in consumer and other portable products, their performance metrics begin to include features other than processing power alone. Parameters such as power consumption, inter- and intra-computer communication, security, cost, and physical size are becoming increasingly important. The 2006 IEEE Key West Computer Elements Workshop will provide a venue for presentation of these latest trends in computer design in an atmosphere that enables frank and open discussion. The workshop seeks submissions from academia and industry presenting novel research on all theoretical and practical aspects of analyzing, designing, building and managing computers in consumer and other portable products. Possible topics include, but are not limited to, the following:

- Low voltage and low power circuits and systems
- Battery-powered circuits and systems
- Power-aware and energy-efficient design
- Embedded processors
- Computers dedicated to gaming or other consumer applications
- Parallel and distributed systems
- SoCs, ASICs
- Ubiquitous and pervasive computing
- Wireless sensors
- MANET, WPAN, and ad hoc networks
- Security
- Personal display and other user interface devices
- EMC/EMI
- MEMS
- Consumer robotics
- Novel semiconductors

Program Co-Chairs

Ed Callaway (Motorola Labs, USA, ed.callaway@motorola.com) Jerry Merckel (University of North Florida, USA, gmerckel@unf.edu)

Submissions

Prospective presenters should send the title and outline of their proposed presentation to one of the program co-chairs by June 24, 2005.

Important Dates

Proposals due: June 24, 2005. Presenter notification: July 29, 2005. Workshop: January 8-11, 2006.