

CoPEC 2006 Graduates

- **Khaled Almazeedi, Ph.D.**, December 2005
 - Thesis: Modeling and Control of the Currents and Capacitor Voltages of a Novel Multilevel Matrix Converter
- **Barry Arbetter, Ph.D.**, August 2006
 - Thesis: DC-DC Converter Utilizing Hysteretic Current-Mode Control for Low-Power Microprocessor Systems with Power Management
- **Sitthipong Angkititrakul, Ph.D.**, May 2006
 - Thesis: Control and Implementation of a Multilevel Matrix Converter
- **Milan Ilic, Ph.D.** defense in December 2006
 - Thesis: Analysis, Modeling and Design of a Wide Range Constant Power Source
- **Xufeng Jiang, Ph.D.** defense in December 2006
 - Thesis: Envelope-tracking Power Supplies for RF Power Amplifiers in Portable Applications
- **Hao Peng, Ph.D.**, May 2006
 - Thesis: Digital Current Mode Control of DC-DC Converters
- **Vahid Yousefzadeh, Ph.D.**, August 2006
 - Thesis: Digitally Controlled Power Converters for RF Power Amplifiers
- **Yang Zhang, Ph.D.**, December 2006
 - Thesis: Digital Control in Modular Masterless Multi-phase Microprocessor Power Supplies
- **Toru Takayama, M.S.**, December 2006
 - Thesis: High frequency digitally controlled monolithic step-down DC-DC converters
- **Tony Carosa, M.S.**, May 2006
- **Haitao Hu, M.S.**, May 2006
- **Robert Bornhijm, M.S.**, December 2006

CoPEC 2006 Visiting Scholars

- **Prof. Eduard Alarcon**
 - Technical University of Catalunya, Barcelona, Spain
- **Luca Corradini**, Ph.D. student, Advisor: Prof. Paolo Mattavelli
 - University of Padova, Italy
- **Marco Lazaro**, Ph.D. student, Advisor: Prof. Eduard Alarcon
 - Technical University of Catalunya, Barcelona, Spain
- **Fernando Gomez**, Ph.D. student, Advisor: Prof. Jose Cobos
 - Polytechnic University of Madrid, Spain
- **Daniele Trevisan**, Ph.D. student, Advisor: Prof. Paolo Mattavelli
 - University of Udine, Italy



CoPEC Students

2006-07 Academic Year

- **Robert Bornhijm**, M.S./B.S. student, started in Spring 2005, graduating in Dec. 2006
 - Research on digitally-controlled POL DC-DC
- **Fu-Zen Chen**, Ph.D. student, started Summer 2005
 - Research on high frequency power converter control
- **Arseny Dolgov**, B.S. student, started Summer 2004
 - Research on low power wireless sensor design and converter health monitoring
- **Montu Doshi**, Ph.D. student, started Fall 2004
 - Research on LED drives
- **Milan Ilic**, Ph.D. student, Thesis defense in Dec. 2006
 - Research on wide-range DC power sources



CoPEC Students 2006-07

- **Jeff Israel**, M.S. student, started Fall 2003
 - Research on wireless sensors
- **Xufeng Jiang**, Ph.D., Thesis defense in Dec. 2006
 - Research on envelope-tracking for RF power amplifiers
- **Yushan Li**, Ph.D student, started in Spring 2002
 - Research on high-efficiency, wide-bandwidth power converters
- **Nestor Lopez**, Ph.D. student, started in Fall 2004
 - Research on high-efficiency RF PA and microwave circuit design
- **Barry Mather**, Ph.D. student, started in Fall 2005
 - Research on digital PFC's

CoPEC Students 2006-07

- **Botao Miao**, Ph.D. (post-doc research assistant), started Fall 2003
 - System ID, digital control techniques
- **Maung Myat**, B.S. student, started in Summer 2005
 - Circuit design, PCB design and testing in various projects
- **Thurein Paing**, Ph.D. student, started in Spring 2005
 - Research on low power energy harvesting circuits
- **Rajarshi Paul**, Ph.D. student, started Fall 2006
 - Research on adaptive power management for RF PA's
- **Bhaskar Ramachandran**, M.S. student, started in Fall 2005
 - Research on sensorless dead-time optimization
- **Ryan Schnell**, M.S./B.S. student, started in Spring 2005
 - Research on SiC high speed and temperature control and gate drive circuitry

CoPEC Students 2006-07

- **Mariko Shirazi**, Ph.D. student, started in Summer 2004
 - Research on auto-tuning techniques
- **Michael Weimer**, B.S. student, started in Spring 2005
 - Research on low power wind energy harvesting
- **Shruti Yalamarty**, Ph.D. student, started Fall 2006
 - Research on SiC circuit modeling, simulations and design
- **Vahid Yousefzadeh**, post-doc through Dec. 2006
 - Research on time-optimal control
- **Xu Zhang**, Ph.D. student, started in Fall 2005
 - Research on high bandwidth multi-phase converter design