IEEE - SARTA Joint Meeting: Engineering Opportunities and Challenges in Medical Device Technology

October 28th from 6 pm to 8:30 pm at the Sacramento State University Union, Ballroom 3

Moderator:

Dr. Emir Macari, Dean of the College of Engineering and Computer Science at Sacramento State University

Panelists:

Dr. Ekkehard Blanz, Vice President of Research and Development at Volcano Corporation
Marcus Grindstaff, Systems Engineering Manager for the Digital Home Group at Intel Corporation
Dr. Warren Smith, Professor of Biomedical Engineering at Sacramento State University
Dr. Kyriacos Athanasiou, Chair of the Department of Biomedical Engineering at UC Davis

There will be time allowed for networking. Appetizers and refreshments will be served.

Admission is Free but please register in advance at http://sartahitecoct2009.eventbrite.com.

Special Parking Instructions:

Sacramento State University Union, Ballroom 3. Veiw a campus map at
http://www.csus.edu/campusmap/
Please park in Parking structure II. Parking passes will be available at check in.

SACRAMENTO STATE
COLLEGE OF ENGINEERING & COMPUTER SCIENCE

This event is hosted by Sacramento State University College of Engineering and Computer Science.

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Panelist Biographies

Dr. Ekkehard Blanz started his career as a researcher and research manager at the University of Stuttgart, Germany, the IBM Almaden Research Center in San Jose, California, and the Siemens Corporate Research lab in Princeton, New Jersey. Dr. Blanz's research interests covered pattern recognition, neural networks, artificial intelligence, image processing, and parallel computer architectures, and his research results in all areas are widely covered in over 100 publications. In 1997, Dr. Blanz joined the Siemens Medical Division as the head of software engineering in the computed tomography (CT) division and later took over the responsibility for all of Siemens' CT R&D activities as a Vice President of Engineering. He then served in similar roles in Siemens' Healthcare in the Radiation Oncology, Healthcare Information Systems, and Ultrasound divisions. Dr. Blanz joined Volcano Corporation in May 2008 and currently serves there as the Vice President of Research and Development in Rancho Cordova, California. He holds a PhD in Electrical Engineering from the University of Stuttgart, Germany.

Marcus Grindstaff is currently focused on the development of assistive technology products within Intel's Digital Health Group which give people an unprecedented level of independence. Marcus has an excellent track record attacking the unique challenges of growing new businesses within large established companies, particularly Intel. His experience includes marketing, planning and product development engineering. Marcus spent his first eight years in the heart of Intel's core processor and chipset businesses. The most recent seven years have been devoted to starting and building new businesses and organizations in Intel's New Business Initiatives group and, now, in Intel's Digital Health Group. He is a founding member of the Intel venture that developed the ultra-low power chipset for the Intel® Atom processor, delivering the lightest, smallest, lowest power and most affordable personal computers in the industry's history.

Dr. Warren Smith received his B.S. from Princeton University, his M.S. from the University of New Mexico, and his Ph.D. from the University of Oklahoma, followed by a two-year post-doctorate at the UNM School of Medicine. Smith has taught Biomedical Engineering (BME) at Sacramento State since 1973. He has taught 13 different graduate and undergraduate BME courses, many of which he developed. He has been committee chair for 73 BME master's theses and for 19 BME-related master's projects in Electrical and Electronic Engineering (EEE) and Computer Science. He also has been a committee member for 18 additional BME-related BME, EEE, and Mechanical Engineering master's theses/projects. He has worked with students on a variety of funded research grants and industry-sponsored projects.

Dr. Kyriacos A. Athanasiou is a Distinguished Professor and the Chair of Biomedical Engineering at the University of California Davis. He has published 225 peer-reviewed papers, four authored books, and 28 patents. He has also served as president of the Biomedical Engineering Society. In addition to his academic interests, he has co-founded numerous bioengineering companies which have collectively brought to the market 15 FDA-approved products.

Dr. Emir Jose Macari is Dean of Engineering and Computer Science at the California State University, Sacramento. Prior to this he was Dean of Science and Technology at the University of Texas at Brownsville. Dr. Macari worked at the National Science Foundation as Program Director of the Centers of Research Excellence in Science and Technology in 2001-02. He is the recipient of numerous national and international honors for his contributions to science and engineering education and research, including being elected to the National Academy of Engineering of Mexico in 2003 and Mexican Academy of Science in 2006. Dr. Macari received a Ph.D. degree from the University of Colorado at Boulder in 1989 where he worked on a NASA sponsored project that resulted in experiments aboard three Space Shuttle missions to test granular materials in a microgravity environment.