

IEEE Wireless Hive Networks Conference 2008
August 7-8, 2008
Courtyard by Marriott | 300 E 4th St, Austin, TX 78701 | (512)-236-8008

Thursday, August 7th

Marriott Rio Grande Ballroom

- 10:30am Keynote: Evolution of Hive Network Technology
Jon Adams, Director of Wireless Technology Strategy, FreeScale Semiconductor
- 11:30am Break
- 11:45am Lunch Panel Program: Sensing Your Health
Dr. Roozah Jafari, Asst. Professor, University of Texas - Dallas;
Dr. Jayant Parthasarathy, Technical Program Manager, Nonin, Inc.;
David Arvelo, Small Business Representative, FDA;
Mike Hayes, Principal, Evergreen Engineering Solutions
- 1:00pm Moving Towards Energy Awareness: Real-time Detailed Energy Accounting for Embedded Systems
Thanos Stathopoulos, Post-Doc Researcher, UCLA
- 1:30pm OFDM Location-Based Routing Protocols in Ad-Hoc Networks
Dr. Brian Kelley, Asst. Professor, University of Texas - San Antonio
- 2:00pm Break
- 2:15pm Wireless Medical: Biology Lessons from Wireless Audio
Mike Hayes, Principal, Evergreen Engineering Solutions
- 2:45pm Dynamic-Address-Allocation Based Scalable Routing Protocol in Context of Node Mobility
Satish Chandra Jha, Graduate Student, University of British Columbia
- 3:15pm Break
- 3:30pm Towards A Reliable Memory Repository Built On An Unreliable Distributed Sensor Network
Paul Gaynor, Assistant Lecturer, University of the West Indies – Mona
- 6:00pm-8:30pm Wireless Hive Networks Conference Happy Hour Sponsored by ATI, IEEE, and the Austin Wireless Alliance
Dona Emilias, 101 San Jacinto Blvd., Austin, TX 78701

Friday, August 8th

Marriott Rio Grande Ballroom

- 8:30am Keynote: Nanotechnology with Low-Cost Hive Networks
Dr. Walt Trybula, Director of the Nanomaterials Application Center, Texas State University; Director and Senior Policy Fellow, Trybula Foundation, Inc.
- 9:30am Break
- 9:45am Service-Oriented Middleware for Smart Home Applications
Jose M. Reyes, Graduate Student, Iowa State University
- 10:15am Distributed Vehicular Control and Safety Applications with Vgrid
Dr. Dipak Ghosal, Professor, University of California – Davis
- 10:45am Wireless Networked Lighting Systems for Optimizing Energy Savings and User Satisfaction
Yao-Jung Wen, Graduate Student Research, University of California – Berkley
- 11:15am Panel Discussion: Implementation Issues
Jim Landsford, CTO, Alereon
Jon Adams, Director of Wireless Technology Strategy, FreeScale Semiconductor
Jonathan Ellis, Founder, Advanced Communication Concepts



INVITED SPEAKER BIOGRAPHIES

Jon Adams, Director of Radio Technology and Strategy for Freescale Semiconductor, and is an expert in wireless systems and communications, with his current focus on ZigBee, Wi-Fi, WiMAX and cellular 3G technologies.

Dr. Walt Trybula, Director of the Nanomaterials Application Center at Texas State University and is a Director and Senior Policy Fellow of the Trybula Foundation, Inc.

Dr. Jayant "JP" Parthasarathy provides technical and strategic direction in businesses relating to connectivity and eHealth at Nonin Medical where his work has yielded several patents. Dr. Parthasarathy leads the guidelines and specifications development of the Continua Health Alliance.

Mike Hayes has worked as a plasma physicist, designed silicon wafer etch processes, managed the building of spacecraft, operated a suite of research vessels and Antarctic field stations, and led a variety of developments in audio signal processing and wireless communications, prior to developing his current interest in wireless medical devices.

Dr. Roozbeh Jafari is currently an assistant professor in Electrical Engineering at the University of Texas at Dallas and director of ESSP Lab. His research is primarily in the area of networked embedded system design and reconfigurable computing with emphasis on medical/biological applications, their signal processing and algorithm design.

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