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### Conference Secretariat

Aruna Prashant,  
Plot No. 249, Prashasan Nagar  
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## 2<sup>nd</sup> CALL FOR PAPERS

The conference will focus on the latest developments associated with "smart" appliance technology. Organized by IEEE Hyderabad Section, India and co-sponsored by Government of Andhra Pradesh, India. The conference will provide a platform for a wide cross-section of professionals interested in the field to interact and exchange notes in a relaxed environment. Papers describing original unpublished work in areas listed (but not limited to) below, are invited:

### Scope

#### Software/Middleware for Smart Appliances

- Usability design
- Component migration in middleware
- Content distribution networks
- Software architecture for smart appliances
- Knowledge models and data sharing methods

#### Networks and Communication Infrastructure

- Wireless Technologies for Smart Appliances
- Network infrastructure issues for Home and Office Appliances.
- Sensor networks
- Small networks
- Message protocols
- Device discovery, QoS, IPV6 etc.
- Ultra wideband, Personal-area networks, power line communication etc.

#### Hardware and Embedded Devices in Smart Appliances

- Event driven behaviour
- Low power systems
- Interfaces and HCI issues
- DSP Issues for Smart Appliances
- MEMS for Smart appliances
- Embedded & VLSI Designs
- Interoperability

#### Security and Privacy Aspects

- Reliability, availability, survivability, authentication, authorization, integrity, digital/intellectual property rights management, Firewalls etc.

#### Intelligent Behaviour

- Location and context sensitive behaviour
- Power sensitive behaviour
- Learning of user preferences

#### Applications

- Health Care & Telemedicine
- Smart Homes
- Smart Offices

### Invited Speakers

W Cleon Anderson, 2005 IEEE President,  
Narendra Ahuja, UIUC, USA  
R. Vaman Dhadesugoor, A&M University, Texas  
Jeff Hawkey, PortalPlayer Inc, USA  
Uma S Jha, Boeing, USA  
Marzuki Khalid, University Teknologi, Malaysia  
D Janakiram, IIT, Chennai  
Mohan Kumar, Motorola, Singapore  
Pankaj Mohindroo, India Cellular, Delhi  
Satyam Mandavilli, Vasavi Engineering College, Hyderabad  
S Mohan, IISc, Bangalore  
Kesav V Nori, TCS, Hyderabad  
Y R Rao, IICC, Hyderabad  
Ramani S, HP India, Bangalore  
David Nagel, Palm Source Inc, USA  
Debasis Saha, IIM, Kolkata  
J Satyanarayana, Govt of A.P., Hyderabad  
Moorthy Uppaluri, GE, Hyderabad  
Rao Vemuri, UC Davis, USA  
M Vidyasagar, TCS, Hyderabad

### Tutorial Topics

- Security Concerns of Smart Appliances Vidyasagar, TCS, India
- Enabling Technologies for Smart Appliances in Medicine, Dr. B.S. Adiga, Consultant TCS, Bangalore, INDIA
- Pervasive Computing : A Vision to Realize Debashis Saha, IIMC, India
- Wireless Communication Standards: 802.11, 802.16 Satyamurthy Ananthkrishna, Honeywell, India
- Advanced VLSI Design Methodologies, Subbarangaiah K, VEDA IIT, India
- Firmware issues for System-on-chip solutions for consumer electronic products, Paresh Deshpande, SoCrates Software, India

### Important Dates for Paper Submission

Abstract of 500 words : October 01, 2004

Acceptance Notification : October 15, 2004

Final Manuscript Due : December 01, 2004

Final camera - ready Paper should be in PDF or Postscript format as specified in the website:

<http://www.computer.org/cspress/instruct.htm>

### Venue

Replete with a glorious history and natural beauty, Andhra Pradesh is a tourist delight. A land of spirituality, architectural marvels and awe-inspiring scenery-AP has something for everybody. Hyderabad is far more than just 'Cyberabad' - the destination for IT & ITES companies. Hyderabad has a strong tradition of academics, research and industry. It is the home for National, Defence and Industry Research laboratories and several prominent Universities. Cyberabad and Knowledge Park are the industrial corridors for new economy industries. Gachibowli is the new venue for allied academics and research.

### Organizer:

IEEE Hyderabad Section

### Principal Sponsor:

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