

CCNC2004



2004 IEEE CONSUMER COMMUNICATIONS AND NETWORKING CONFERENCE

"Consumer Networking: Closing the Digital Divide"

(Precedes the CES 2004 International Consumer Electronics Show: www.cesweb.org)

Caesars Palace, Las Vegas, Nevada USA / 5-8 January, 2004

www.ccnc2004.org

Sponsored by the IEEE Communications Society

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The first IEEE Consumer Communications and Networking Conference (CCNC 2004) will be held on 5-8 January 2004 in Las Vegas, Nevada, USA, just prior to the Consumer Electronics Show (www.cesweb.org).

The demand for networked consumer systems and devices is large and growing rapidly. At home, in a car or truck, at work or at play, Internet citizens want transparent internetworking for the systems and devices that provide entertainment, information, and communications. This internetworking should be on-demand, with whomever or whatever they want, regardless of time or location. As a result, consumer networking is gaining increasing attention from industry, spawning a range of dramatically different solutions including wireless, wireline, and power line networked communications environments, each with their own strengths and special challenges to overcome. This in turn has defined the scope of consumer networking to range from body and personal area networking, to home networking and wide area networking. In the not too distant future, we will see ad hoc networking augmented with sensors sharing networked knowledge that enables devices and systems to seamlessly interact with the Internet and wide area wireless systems such as WiFi, 3G and future 4G networks. And this is just the beginning!

This phenomenon, "Consumer Communications and Networking," has been attracting many researchers in diverse areas from networking to consumer electronics.. This conference will present the latest approaches and technical solutions in the area of consumer networking, enabling technologies such as middleware and multimedia, and novel applications and services. The conference will include a peer-reviewed program of technical sessions, technology application panels, tutorials, and poster sessions. CCNC 2004 provides a compelling forum for formal discussion and socialization of many of these research challenges with seasoned practitioners and colleagues from both industry and academia. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas:

Networking

- Home LANs (802.11, HiperLAN, Bluetooth, HomePlug)
- Vehicle Networks
- Body & Personal Area Networks
- Ad-Hoc Networks
- Sensor Networks
- Entertainment Networks
- Broadcast Networks
- TV-Centric Home Networks
- Home Information Infrastructure
- Residential Gateways
- Interworking (Internet, 3G/4G, etc.)
- Network Management & Control
- Network Security
- Privacy Issues
- Protocols
- QoS support, Performance

Enabling Technologies

- Middleware (Java, .Net, XML, OSGi, JTWI, MHP/OCAP, UPnP, etc.)
- Multimedia Technologies
- Image Retrieval
- Look-up Technologies
- Operating Systems
- Database Management Systems
- Networked Knowledge
- Data and Program Migration
- Consumer Middleware
- Device Discovery
- Biometrics for Security
- Digital Rights Management
- Wearable Computers
- Pervasive Computing
- Transmission technologies such Ultra Wideband
- User Interface
- Digital TV

Novel Applications, Services

- Novel Applications for Networked Appliances
- Entertainment
- Games
- Medical, Health Care
- Surveillance, Home Monitoring
- Appliances
- Service Evaluation
- Smart Services
- Smart Spaces
- Field Trials
- Application for Special Needs
- (Kitchen) Counter Intelligence
- e-Commerce, m-Commerce
- Location Based Services
- Personalization
- Virtual Home Environment

There will be a **Best Paper Award** for the best-submitted paper. Also, a number of **Student Travel Grants** are available.

Submission Type	Chairs	e-mail addresses	Due Dates
Technical Papers	Mehmet Ulema Eric Addeo John Barr Guenter Schaeffer	m.ulema@ieee.org eaddeo@nj.devry.edu John.Barr@motorola.com schaefer@ee.tu-berlin.de	31 July 2003
Technology Applications Panels	Alex Gelman	adg@research.panasonic.com	15 September 2003
Tutorials	Alan Kaplan	kaplana@research.panasonic.com	15 September 2003
Poster Papers	Barcin Kozbe	barcin.kozbe@ericsson.com	31 July 2003

ELECTRONIC SUBMISSIONS ONLY -- For more information, visit the conference [www site: www.ccnc2004.org](http://www.ccnc2004.org).

Note: Every paper accepted for CCNC 2004 must have attached to it at least one registration at the full member/nonmember rate. Thus, for a manuscript for which all authors are students, one student author will be required to register at the full registration rate. For manuscripts where at least one author is already registered at the full rate, this fulfills the obligation for up to four papers where all the other authors are students.

