

August 2007

IEEE OTTAWA NEWSLETTER - August 2007

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A. IEEE Events

1. 2nd International Conference on Access Networks

Date & Time: August 22-24, 2007

Location: Ottawa Marriott Hotel, 100 Kent St., Ottawa

The aim of the annual International Conference on Access Networks (AccessNets) is to provide a forum that brings together scientists and researchers from academia as well as managers and engineers from the industry and government organizations to meet and exchange ideas and recent work on all aspects of access networks and how they integrate with their in-home counterparts.
Details: <http://www.accessnets.org/2007/index.htm>

2. IEEE Communications and Broadcast Technology Society Seminar, August 30, 2007

Title: Cooperative and Opportunistic Communication

Speaker: Behnaam Aazhang, J.S. Abercrombie Professor and Chair, Department of Electrical and Computer Engineering, Rice University, Houston, Texas

Organizer: IEEE Communications and Broadcast Technology Society Ottawa Chapter

Date and Time: 30 August 2007, 1:30 PM

Location: Flextronics Canada Design Services, 9th Floor, 535 Legget Drive, Kanata, ON K2K 3B8

Admission: Free

Contact: Burt Christian (b.christian@ieee.org)

Abstract:

Over the last few years, our research group at Rice has focused on emerging systems and network level techniques to increase spectral and power efficiency of communication systems, and extend coverage of wireless networks. The cooperative and opportunistic communication paradigm pools distributed resources of different nodes, such that

nodes

act like a collaborative system instead of greedy adversarial participants. In this talk, I will first present the cooperative and opportunistic communication methodology and discuss its merits and challenges. The approach will be information theoretic and will consider coding, channel state information, feedback, scheduling, and medium access. I will then present our research contributions in opportunistic wireless network protocols and cooperative coding. I will conclude with our development plans to demonstrate the feasibility of cooperation in the context of a scalable experimental wireless system for mobile broadband Internet.

3. 41st IEEE International Carnahan Conference on Security Technology

Date & Time: October 8-11, 2007

Location: 100 Coventry Road, Hampton Inn, Ottawa, ON

Register Today!

Enjoy the benefits of early registration prior to August 15, 2007

This international conference is directed towards the research, development, and user aspects of electronic security technology, including principles of operation, applications, and user experiences. It is a forum for the exchange of ideas and dissemination of information regarding new and existing technology, as well as the impact of security-related technology on society.

Participation

in the Carnahan Conference also provides a basis for long-range support and assistance to authorities and agencies in the use of technology for security, safety, law enforcement, and emergency response purposes.

Details:

http://www.carnahanconference.com/Conferences/2007_Ottawa/2007_ottawa.html

4. IEEE FPGA WORKSHOP 2007: Accelerating Computationally Intensive Applications

Organizers: IEEE Ottawa Section, the IEEE Ottawa chapter of the Engineering

Management Society, and the IEEE Ottawa Section Educational Activities, in conjunction with CMC Microsystem's CWSOC 2007.

Confirmed Speakers:

- * Denzel Doyle, Chair of Doyletech
- * Dr. Justin Tripp, Los Alamos National Labs, New Mexico
- * Prof. Paul Chow, Toronto University, Ontario
- * Prof. Russell Tessier, University of Massachusetts-Amherst

Preliminary Program:

1- "FPGA design flows & programming competition kick-off"

Date and Time: Tuesday, October 16, 2007, 4:30Pm - 9:15 pm

Location: Carleton University, Mckenzie Building, Bell Auditorium.

Parking Pay-parking at lot P2. Please respect restricted areas.

2- "Innovation implementation: challenges and rewards"

Date and Time: Wednesday, October 17, 2007, Noon-4:00 pm

Location: Crown Plaza Hotel, Ottawa, ON TBD.

Parking Pay-parking

Contact: Alfredo Herrera, alfredo.herrera@ieee.org

URL: <http://ottawa.ieee.ca/ems/fpgaworkshop>

Description:

Using Field Programmable Gate Array (FPGA) chips as processing engines

is a growing and fertile application field; FPGAs perform particularly well when used to accelerate computationally intensive applications.

We will examine the business and technology elements of its ecosystem

as an entrepreneur would, incorporating demonstrations and presentations

to increase understanding and knowledge of FPGAs and encourage growth and

development in the field.

5. IEEE Canada Electrical Power Conference (EPC) 2007

Sponsored by: IEEE Canada, IEEE Ottawa Section and IEEE Montreal Section

Organized by: IEEE Ottawa and Montreal Sections

Date & Time: Thursday-Friday, October 25-26, 2007, 8:00 AM - 5:00 PM

Location: Holiday Inn, 99 Viger Ave., Montreal

Registration and Details: <http://www.ieee.ca/epc07/>

The IEEE Ottawa Section is proud to announce that its previous six annual Electrical Power Symposium have grown into an IEEE Canada Electrical Power Conference (EPC) 2007, which will focus this year on "Renewable and Alternative Energy Resources". The EPC 2007 is a forum in which the latest information and ideas related to this topic, which has been receiving a lot of attention in the recent years worldwide, will be exchanged among the experts, professionals from the engineering and business communities, and general public. Join us at the IEEE EPC 2007 on Oct. 25-26 in Montreal as an author/presenter, exhibitor, or attendee!

6. 21st Annual IEEE Canadian Conference on Electrical and Computer Engineering

May 4 to 7, 2008, Niagara Falls, Ontario, Canada

CCECE is a flagship conference for researchers, students, and practising engineers in the area of Electrical and Computer Engineering from Canada and around the world to meet annually for 3 to 4 days in a Canadian city to present the latest technological advancements and discoveries, to network and exchange ideas, to strengthen existing partnerships and foster new collaborations.

CCECE 2008 will feature 8 mini-symposia covering all areas of Electrical and Computer Engineering, tutorial sessions in leading topics, plenary talks

from
senior executives in industry and academia, around 90 technical
sessions,
special sessions in hot topics, social programs, IEEE Canada Awards
and Banquet
night, best student paper awards luncheon, and industrial exhibitions.

You can participate in CCECE 2008 in many ways: by submitting your
original
research results as a full length technical paper, by submitting tutorial
proposals, by organizing a special session, and by attending the plenary
talks,
tutorials, panel discussions and nearly 90 technical sessions planned for
May 4 to May 7, 2008.

Information on submission of technical papers, tutorial proposals,
special
sessions proposals are in the weblinks of the main conference
website www.ccece08.org

The deadline to receive papers and tutorial proposals are December 7,
2007.

B. IEEE News

1. IEEE Mentoring Connection™ Seeks New Members

The IEEE Mentoring Connection is seeking additional “online” mentors
to help guide younger professionals in career planning and professional
development.

IEEE is offering its members the opportunity to participate in an
online program which will facilitate the matching of IEEE members for
the purpose of establishing a mentoring partnership. By volunteering
as a mentor, individuals use their career and life experiences to help
other IEEE members in their professional development. As a mentee,
you lead your partnership by selecting your mentoring partner from
among those who have volunteered to serve in this capacity. We ask
that you review the time and effort commitment to the program to
ensure a successful mentoring partnership.

IEEE has partnered with The Training Connection, a vendor that has developed a web-based mentoring program to facilitate the matching process.

Participation in the program is voluntary and open to all IEEE members above the grade of Student Member.

More information:

<http://www.ieee.org/web/membership/benefits/>

<http://www.ieee.org/web/aboutus/briefs.html#mentoring%20members>

C. Non-IEEE News and Events

1. Short Course on Antenna Design, Testing and Wireless Propagation

Organizer: Electromagnetic Measurement Consultants

Date: 1 – 4 October 2007

Time: 9:15 AM to 5:00 PM

Location: International Institute for Telecommunications (IIT), Montréal, QC, Canada

Contact = mcnamara@site.uottawa.ca

URL: <http://www.nearfield.com/ShortCourses.htm>

2. OOPSLA 2007, October 21-25, 2007, Montreal, QC

OOPSLA (Object-Oriented Programming, Systems, Languages & Applications)

is an annual ACM conference.

Location: Montreal, QC - details will be available later.

Co-located Events:

- * Dynamic Languages Symposium
- * International Symposium on Memory Management
- * WikiSym
- * Library-Centric Software Design Symposium
- * APL2007
- * Mini PLoP
- * CompFrame 2007

URL: <http://www.oopsla.org/oopsla2007/>

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