

January 2010

IEEE OTTAWA NEWSLETTER - January 2010

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1. TITLE: Pitch Yourself to Elevate Your Career

SPEAKER: Harpreet Singh Principal Consultant of Zoho Consulting

DATE: January 13, 2010

TIME: registration/refreshment (18:30 -19:00); Event(19:00 - 20:00);
Networking follows till 21:00

LOCATION: Room T302 Algonquin College, Woodroffe Campus Ottawa
Map:<http://www.algonquincollege.com/main/yourAlgonquinTab/directions/woodroffe.htm>

PARKING: applicable charge or free

ADMISSION: Free, but please pre-register via email, seating is limited.

REGISTRATION: bjoshi@ieee.org; a.gharbi@ieee.org

ORGANIZED BY: IEEE EIT

CONTACT: Bhagvat Joshi bjoshi@ieee.org

ABSTRACT:

How to WOW your audience and set yourself apart from other candidates!

An elevator pitch is what I call your “prime-time” commercial in 60 seconds or less. In this short period of time, you have an opportunity to get the attention of your listeners causing them to take an interest in you and your expertise. Think of this 60 seconds as “You in a nut shell”. In that critical 1st sentence or first 10 seconds, your listener is going to decide if they want to tune in or tune out.

Why is this important? It is important for you to be clear on what you offer including experience at it relates to the opportunity, what makes you unique and sets you apart from the competition, and spotlights your best attributes....all in 60 seconds or less.

So whether you are a job seeker trying to impress a prospective employer; or a startup looking to sell your idea to an investor; or an executive working toward the “next level” in your career; you will need an elevator pitch to differentiate your offering from your “competitors” in the marketplace.

2.TITLE: Reverse Engineering in the Semiconductor Industry

SPEAKER: Randy Torrance, B.A.Sc.E.E.,M.A.Sc.E.E. and
Dick James, B.Sc, M.Sc (Chipworks)

DATE: Wednesday, January 20, 2010 at 7:00 PM

TIME: registration/refreshment (07:00-07:30); seminar (07:30-09:00)

LOCATION: RA Center -- Room Bytown A (please click registration link)
for direction

PARKING: free

ADMISSION: free

REGISTRATION: <http://iet21012010ieee.eventbrite.com>

ORGANIZED BY: IEEE Ottawa EDS/CAS/SSCS Joint Chapter ,
IET Ottawa Chapter and IEEE Ottawa Section

CONTACT: Ammar Gharbi (a.gharbi@ieee.org) and

Ram Achar (achar@doe.carleton.ca)

ABSTRACT:

The continuous shrinking of feature size to increase the integration level of silicon chips has presented major challenges to the reverse engineer, obsolescing simple teardowns and demanding the adoption of new and more sophisticated technology to analyze chips. The following types of analysis will be covered in detail:

- product teardown;
- techniques used for system-level analysis, both hardware and software;
- circuit extraction, taking the chip down to the transistor level and working back up through the interconnects to create schematics;
- process analysis, looking at how the chip is made, and what it is made of.

This presentation is an update of an invited paper given at the 2007 IEEE Custom Integrated Circuits Conference (CICC) with more focus on circuit extraction and cross-referencing between circuit schematics and the 1000's of physical layout images obtained through generating a mosaic of scanning electron microscopy across all device layers.

3. TITLE: "WISE" Steps to Success - what every woman in science and engineering should know

SPEAKER(s) : several female experts from industry and academia

DATE: Thursday, January 28, 2010

TIME: 5:30 p.m to 8:30 p.m.

LOCATION: Porter Hall, Carleton University Centre (beside Mike's Place)

PARKING: as applicable on Carleton University campus

ADMISSION: free

REGISTRATION: wise@carleton.ca

ORGANIZED BY: WIE Ottawa/WIE Carleton, WISE Carleton and Carleton Career

Services.

CONTACT: Rosalyn Seeton, seeton@ieee.org or

Barbora Dej barbora.dej@ieee.org

SITE: <http://ieee.org/go/ottawa-wie> (Events)

ABSTRACT:

There's more to success than just passing your courses. There are a lot of skills to be learned outside of the classroom that greatly contribute to your future. And the earlier you start learning them, the earlier you

can reach your goals. Carleton's WISE, IEEE WIE, and Career Services have joined forces to give you the career building essentials and help you stand out. Whether you are actively looking for a job or not, this is an event you don't want to miss. You will hear from experts on network

-ing and negotiation as well as have the opportunity to speak to mentors from industry, to meet other students in your field, and to build your skills.

4. TITLE: Women Engineers - Moving Up in Ontario!

SPEAKER(s): several female experts from industry and academia (Jennifer Ng, IEEE WIE Ottawa will be a speaker on several panels)

DATE: Thursday, January 28, 2010 (evening) and Friday, January 29, 2010 (all-day)

TIME: see site for detailed program

LOCATION: uOttawa Conference Centre, University of Ottawa, Ottawa.

PARKING: as applicable on uOttawa campus

ADMISSION: see site for pricing

REGISTRATION: see site for registration

ORGANIZED BY: University of Ottawa Centre for Academic Leadership

CONTACT: Catherine Mavriplis, Catherine.Mavriplis@uottawa.ca or Jennifer Ng, jng@ieee.org

SITE: <http://www.academicleadership.uottawa.ca/movingup/>

ABSTRACT:

Together, we will discuss strategies for career progression and advancement to leadership in a competitive environment. Learn about recent statistics, social science research and development efforts for the advancement of women engineers. Industry-university collaborations

are one way of extending our networks and fostering success: we will hear from NSERC about funding programs and learn from women who have

had success in this area. Other hands-on activities will include practicing

our communication skills in the context of male-dominated technical fields,

trading effective practices for work/life balance and small group career planning with experienced mentors and managers.

5. A Pool of CO-OP Students -

According to one source this coming summer (May to August), close to 250 students (just Ottawa University) from various Engineering programs

(including Electrical, Computer, Software, Mechanical, Civil and Chemical) will be available for a CO-OP work term. Willing, available and ready to give their best to the local industry.

What's in it for you?

- Year-round access to a qualified and greatly motivated labour force
- You can evaluate potential full-time employees in a structured environment at minimal cost and risk
- Access to a pool of temporary employees for your peak periods and special projects
- You will be known as an organization who believes in and contributes to the development of our future work force

Other benefits:

Ontario Tax Credit - The Co-operative Education Tax Credit (CETC) reimburses employers 25% of eligible expenditures up to a maximum of \$3,000 for each qualifying work placement of 16 weeks for all students

registered in a CO-OP program.

See information at the following

link: www.rev.gov.on.ca/en/credit/cetc/index.html.

For questions or to find out more, write to Danielle@uOttawa.ca.

6. Title: 2010 Symposium on Recent Advancements in Photonics

Date: Friday, January 22, 2010

Location: M-50 Auditorium, NRC Main Campus, Montreal Road, Ottawa

TIME: 8:30am – 11:30am

Speakers:

IEEE PS Distinguished Lecturer: Prof Tetsuya Mizumoto of Tokyo Institute of Technology: "Optical Nonreciprocal Devices for Integrated Photonics"

IEEE PS Ottawa Chapter Guest Speaker: Dr Jackson Klein of Optiwave:

"Title TBD"

IEEE PS Ottawa Chapter Guest Speaker: Dr Cristian Popescu of spectra-nova: "Title TBD"

For more information, please contact: Kexing Liu kexing.liu@ieee.org

B. IEEE News

1. New IEEE Senior Members in the Ottawa Section

Results of the previous A&A Review Panel meeting held on November 21,

2009 in New Brunswick, New Jersey, are as follows. Charles E Hickman,

Chaired the A&A Committee, results became available in December 2009.

* Baker, Darren

* Flueraru, Costel Member of Instrumentation and Measurement Society

Photonics Society (formerly LEOS)

* Fiaidhi, Jinan Member of Computer Society

* Boukerche, Azzedine Member of Communications Society
Computer Society

* Haythornthwaite, Raymond Member of Components, Packaging,
and Manufacturing Technology Society
Photonics Society (formerly LEOS)

* Klemes, Marek Member of Communications Society
Signal Processing Society

* Liang, Xiaodong Member of Communications Society
Power & Energy Society

Congratulations to the newly elevated Senior Members.

** IEEE Senior Member Program Page:

<http://www.ieee.org/web/membership/senior-members/index.html>

For details and updated news about Senior Membership elevation in Ottawa, visit IEEE Ottawa Section Senior Members Page

<http://ottawa.ieee.ca/sm>

2. 2010 IEEE 72nd Vehicular Technology Conference: VTC2010-Fall 6–9 September 2010, Ottawa, Canada

<http://www.ieeevtc.org/vtc2010fall/>

The 2010 IEEE 72nd Vehicular Technology Conference will be held 6–9 September 2010 at the Westin Hotel, Ottawa, Canada.

This semi-annual flagship conference of the IEEE Vehicular Technology Society will bring together individuals from academia, government, and industry to discuss and exchange ideas in the fields of wireless, mobile, and vehicular technology. The conference will feature

world-class plenary speakers, tutorials, and technical as well as application sessions.

Paper submission details will be published shortly.

Paper submission deadline: 15 February 2010

C. Non-IEEE News and Events/Announcements

Nothing to Report.

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