

Microwave Antenna Design, Testing & Wireless Propagation

26 - 29 Oct 2010

Venue: Campus of the University of Ottawa, Ottawa, ON, Canada

Course Description : This course will provide an introduction to antenna concepts, design and testing., as well as associated wireless propagation modeling. It is intended for engineers and technicians who want to obtain a better understanding of antennas, and the physical concepts that describe their operation and characteristics. The course will consist of lecture presentations on general concepts applicable to all antenna types, as well as discussions on specific antennas in order to appreciate the application of such concepts.

Course Outline

Day 1: Tuesday 26 October 2010

8.30am - 10am *Antenna Fundamentals*
10am - 10.20am *Break*
10.20am - 12pm *Low Directivity Radiators I*
12pm - 1pm *Lunch*
1pm - 2.30pm *Low Directivity Radiators II*
2.30pm - 2.50pm *Break*
2.50am - 4.30pm *Antenna Design I*

Day 2: Wednesday 27 October 2010

8.30am - 10am *High Directivity Radiators I*
10am - 10.20am *Break*
10.20am - 12pm *High Directivity Radiators II*
12pm - 1pm *Lunch*
1pm - 2.30pm *Antenna Design II*
2.30pm - 2.50pm *Break*
2.50am - 4.30pm *Modern Antennas*

Day 3: Thursday 28 October 2010

8.30am - 10am *Propagation I*
10am - 10.20am *Break*
10.20am - 12pm *Propagation II*
12pm - 1pm *Lunch*
1pm - 2.30pm *Propagation III*
2.30pm - 2.50pm *Break*
2.50am - 4.30pm *Measurements I*

Day 4: Friday 29 October 2010

8.30am - 10am *Measurements II*
10am - 10.20am *Break*
10.20am - 12pm *Measurements III*
12pm - 1pm *Lunch*
1pm - 2.30pm *Measurements IV*

Course Presenters

Dr. Gilles Delisle has been involved in RF technologies such as antennas, radar and propagation of radio waves for over 30 years and has published more than 300 journal articles, conference papers and books in these fields. His current interests are in the area of intelligent antenna arrays and millimetre wave systems. He is a Fellow of the IEEE and the Engineering Institute of Canada, and a Licensed Professional Engineer in Québec and Ontario. He is currently a Director, Technology Integration Center of Technopôle Defence & Security in Valcartier, Québec. He is also an adjunct-professor at the University of Ottawa.

Dr Daniël Janse van Rensburg has been involved in the design and implementation of antenna test systems worldwide for the past 15 years and has published many technical papers on near-field and compact range systems. His particular field of interest is measurement error analysis & modeling. He is a Senior Member of the IEEE and a Licensed Professional Engineer in Ontario. Since 1997 he has worked as Applications Engineering Consultant for Nearfield Systems Inc, Torrance, California, USA. He is also an adjunct-professor at the University of Ottawa.

Dr. Derek McNamara is a professor of electrical engineering in the SITE of the University of Ottawa, Ontario, Canada. He has 25 years of experience in antenna engineering and has published many articles in journal and conference proceedings on the subject. His interests are in antenna design and computational electromagnetics. He is a Senior Member of the IEEE and a Licensed Professional Engineer in Ontario.

Fee: CDN\$1800 per person. This fee includes lecture notes and light lunches.

Accommodation: This course will be held at the University of Ottawa, Ottawa, ON, Canada. The campus is within walking distance of the Canadian Federal Parliament Buildings and numerous downtown hotels (eg. The Westin; The Lord Elgin; Novotel; The Chateau Laurier). The following links provides more information :

www.ottawatourism.ca

www.canadascapital.gc.ca

Registration Deadline: 12 October 2010

Registration Form

Short Course: Microwave Antenna Design, Testing & Wireless Propagation

26 – 29 October 2010

Campus of the University of Ottawa, Ottawa, ON, Canada

Please scan and e-mail completed registration form to: drensborg@nearfield.com

Name:
Title:
Company:
Address:
Phone #:
Fax #:
E-Mail:
Payment : VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> AMERICAN EXPRESS <input type="checkbox"/>
Card Number :
Expiry Date : _____ Month _____ Year
Signature :
Name As It Appears on the Credit Card :

Short Course Website: <http://www.nearfield.com/ShortCourses.htm>

For further information please contact :

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Cancellation Policy: This short course is presented under the auspices of Electromagnetic Measurement Consultants (EMC). Cancellations without penalty are allowed until 14 days before commencement of the course. After that date, cancellations will incur a \$100 administration charge. EMC reserves the right to cancel the course in the event of insufficient enrolment and in such an event all registrants will be contacted and receive a full registration refund.