

**July 11-17, Sheraton Centre Toronto Hotel, Toronto,  
Ontario, Canada**  
<http://www.apsursi2010.org/>  
**Registration Form**  
 (Please Print Neatly)

You may register by mailing or faxing this form, or by using secure online registration is available through the website address given above (strongly encouraged). Please use only one registration method to avoid multiple charges. Please visit the website for hotel registration and other information. Hotel reservations are the responsibility of attendees.

For early registration we must receive payment on or before **April 30, 2010**. Payment received after this date will be considered late and extra fees will apply. No exceptions. Also, authors who default on their registration payment will find their papers removed from IEEE Xplore.

If you wish to mail only your payment, complete the online registration, be sure to include your registration confirmation number on your check. Please observe the deadline information above.

If mailing this form (with payment or credit card information), send it to:  
 2010 IEEE APS/URSI Symposium  
 c/o Three Dimensions  
 2973 Harbor Blvd. # 166  
 Costa Mesa, CA 92626

If faxing this form (with credit card information), fax to: **+1 (714) 444-1257**. For registration information, call Sherri Cushing (Three Dimensions) at **+1(714)540-8638** or [sherric@threedimensions.com](mailto:sherric@threedimensions.com).

- **Please include your business card**
- **On the line Below:**
- **Print your First and (Last or Family) Name as you'd like it to appear on your badge :**

\*Badge Name Here \_\_\_\_\_

Mandatory Field  
 \*Title: \_\_\_\_\_

Mandatory Field  
 \*Company /Institution: \_\_\_\_\_  
 Mandatory Field  
 \*Address: \_\_\_\_\_

Mandatory Field  
 \*City: \_\_\_\_\_  
 Mandatory Field  
 \*State/Country: \_\_\_\_\_  
 Mandatory Field  
 \*ZIP / Postal Code: \_\_\_\_\_

Mandatory Field  
 \*Daytime telephone (required): \_\_\_\_\_

Fax: \_\_\_\_\_  
 Mandatory Field  
 \*Email (required): \_\_\_\_\_  
 CC Email to your  
 Accounting Dept.: \_\_\_\_\_

**Guest Badge Name &**  
 Mandatory Field  
**\*\*Guest Email Address** \_\_\_\_\_

**PAYMENT INFORMATION**

Payment is accepted by credit card (VISA/Mastercard), cheque, bank draft, or money order. Do not send cash. Wire transfers will not be accepted. If paying by cheque, bank draft, or money order, payment is accepted in US dollars only, and funds must be drawn on a US or Canadian bank. Make cheque, bank draft, or money order payable to: **2010 IEEE APS/URSI 142970**.

I'LL BE SENDING A CHECK LATER: CHECK # \_\_\_\_\_

**CREDIT CARD INFORMATION**

A confirmation will be sent to you by email within 5 days.  
 Credit card (circle one):    Mastercard    Visa

Card #: \_\_\_\_\_

Security Code #: \_\_\_\_\_  
 (usually a 3-digit number on the back of your card)

Expiry Date: \_\_\_\_\_

Billing Address: \_\_\_\_\_  
 \_\_\_\_\_  
 (if different from street address indicated earlier)

Phone Number: \_\_\_\_\_

Name as it appears on card \_\_\_\_\_

Signature of cardholder: \_\_\_\_\_

**Cancellation Policy:** Notice of cancellation must be received in writing by **May 28**. A \$50.00 processing fee will be charged for registrations cancelled prior to **May 14**. **For cancellations between May 14 and May 28 a 50% refund will be given. There will be no refunds after May 28.**

Registration for the conference does not include a reservation for a hotel room. Make your hotel reservations through the hotel link on <http://www.apsursi2010.org>. Rooms are limited. Call 1 (800) 325-3535 or 1 (416) 361-1000 (direct to Sheraton Centre Toronto Hotel).

**REGISTRATION FEES: CIRCLE ONE**

ALL FEES IN \$US	IEEE / URSI MEMBER Provide Your Member #		NON MEMBERS <sup>1</sup>	
	Until Apr. 30	After Apr. 30	Until Apr. 30	After Apr.30
Registration option	\$530	\$610	\$610	\$695
Student <sup>2</sup>	\$355	\$430	\$430	\$550
Retired	\$355	\$430	\$430	\$550
Life Member <sup>3</sup>	\$0	\$0	\$0	\$0

1. Non-member fees include half-year membership in IEEE and AP-S if application for membership is made at the Symposium.
2. Proof of IEEE student status is required at the Symposium.
3. Per IEEE policy, Life Members are admitted free, but do not receive the CD. Life Members may purchase the CD for \$25.

<b>Registration Fee</b>	US\$
<b>Digest Media</b>	
AP-S/URSI CD-ROM (included in reg. fee)	US\$ 0
Additional CD-ROMS @ \$25 each (only available on or before <b>April 30</b> )	US\$
<b>Awards Banquet</b> (Wednesday July 14, 6:00pm, \$65 per person) Qty _____	US\$
<b>Children Under 8 (free)</b> Qty _____	
<b>Total of Social Events on Page 1</b>	US\$
<b>Total of Short Courses</b> (see page 3)	US\$
(Be sure to include page 3 when sending this form if you want any Short Courses)	
<b>TOTAL OF ALL FEES</b>	<b>US\$</b>

#### OTHER INFORMATION

1. Will you attend the IEEE AP-S Reviewers' Luncheon, being held on Wednesday, July 14, 2010? **A ticket is required to attend. Eligible reviewers are only those who have provided reviews for AP-S publications from January 1 2009, and whose registration is received by July 7, 2010.**

Yes  No

2. If you checked "Yes" above, specify any special dietary requirements:

\_\_\_\_\_

\_\_\_\_\_

3. Will you attend the Welcome Reception on the evening of Monday, July 12? (complimentary)

Yes  No

4. If you are attending the Awards Banquet on Wednesday, July 14, please indicate your entrée preference:

- Meat
- Seafood
- Vegetarian

5. If you are a visitor to Canada, be sure to check your visa requirements for entry to Canada and re-entry

requirements from the country of origin. More information can be found on the website at <http://www.apsursi2010.org>.

#### SOCIAL EVENTS

A complete description of the social events can be found at <http://www.apsursi2010.org>.

#### No refunds after June 10 for Socials

	Qty.	Fee
<u>S-1: Niagara Falls</u> (Sun. 7/11, 8am-6pm, lunch included)	@ \$135.00	US\$
<u>S-2: Blue Jays vs. Red Sox</u> (Sun. 7/11, 1:00pm)	@ \$48.50	US\$
<u>S-3: Toronto Zoo</u> (Mon. 7/12, 9am-5pm)	Cancelled	US\$
<b>Child 12 and under.</b>	Cancelled	US\$
<u>S-4: Canada's Wonderland</u> (Tues. 7/13 8am-6pm).	Cancelled	US\$
<b>Child 12 and under.</b>	Cancelled	US\$
<u>S-5: Dinner Boat Cruise</u> (Tues. 7/13 5:15pm-10:30pm) <b>Limited to 100 persons</b>	@ \$74.00	US\$
<u>S-6: Royal Ontario Museum,</u> Gardiner Museum, Yorkville (Wed. 7/14 9:30am-2:30pm)	Cancelled	US\$
<u>S-7: Acquaint Yourself with Toronto</u> (Thu. 7/15 10am-2pm)	Cancelled	US\$
<u>S-8: Distillery District Tour</u> (Fri. 7/16, 10am-2pm)	Cancelled	US\$
<u>S-9: Niagara Falls</u> (Sat. 7/17, 8am-6pm, lunch included)	@ \$135.00	US\$

**Total Fee for Social Events and Short Courses (please also enter on page 2)**

US\$

**Social events are intended for attendees (with paid registrations), their spouses, children, and/or guests. Prices are on a per-person basis and include taxes.**

**NOTE: The steering committee reserves the right to cancel social events that have an insufficient number of participants. A cancellation of any of the tours or social events must be in writing to Sherri Cushing by email [sherric@threedimensions.com](mailto:sherric@threedimensions.com) on or before midnight EST Friday, June 10, 2010.**

## 2010 IEEE AP-S International Symposium & CNC-USNC/URSI Radio Science Meeting

### Short Courses and Workshops

NOTE: AM courses run 8:00am-12:00pm, PM courses run 1:00pm-5:00pm, full-day courses run 8:00am-5:00pm.

	Duration	Date	Description	Fee	Late*
SC-2	Half Day (AM)	Sun. July 11	Multiband Handheld Antenna Design and Test Techniques: Recent Advances and Challenges (Nagula Sangary, and Yihong Qi, RIM, George Shaker, University of Waterloo)	\$230	\$280
SC-6	Half Day (AM)	Sun. July 11	Intelligent Antennas in Intelligent Transportation Systems (Pedram Mousavi, IMS Inc.)	CANCELLED	
SC-9	Half Day (AM)	Sun. July 11	Dielectric Resonator Antennas, Theory, Design and Applications with Recent Advancements (Ahmed A. Kishk, U of Mississippi)	CANCELLED	
SC-10	Half Day (AM)	Sun. July 11	Reflectarray technology: Theory, Achievements, and Prospects (Jafar Shaker, Reza Chaharmir, CRC)	\$230	\$280
SC-7	Full Day	Sun. July 11	"Virtual Drive": Optimization of Car Integrated Multiple Antenna Systems for Mobile to Mobile Communications (Werner Wiesbeck, Lars Reichardt, Christian Sturm, Karlsruhe Institute of Technology)	CANCELLED	
SC-12	Full Day	Sun. July 11	Reflector Antenna Design and Analysis (Peter Meincke, TICRA, Denmark)	CANCELLED	
SC-15	Full Day	Sun. July 11	Electromagnetic Band Gap (EBG) Structures in Antenna Engineering: From Fundamentals to Recent Advances (Yahya Rahmat-Samii, UCLA; Fan Yang, University of Mississippi)	\$350	\$400
SC-16	Full Day	Sun. July 11	Plasmonic and Transformation Optics Cloaking (Andrea Alù, University of Texas, Austin; Nader Engheta, University of Pennsylvania; Stefano Maci, University of Siena, Italy)	\$350	\$400
SC-19	Full Day	Sun. July 11	Antenna Arrays (Randy L. Haupt, The Pennsylvania State University Applied Research Laboratory)	\$350	\$400
SC-1	Half Day (PM)	Sun. July 11	EM Design of Small Antennas for Industrial Applications (Winfried Simon, IMST; Dirk Manteuffel, University of Kiel; Cyril Luxey, University of Nice-Sophia Antipolis)	\$230	\$280
SC-3	Half Day (PM)	Sun. July 11	Planar Antennas for Wireless Communications: Small Mobile Device Antennas (Kin-Lu Wong, National Sun Yat-Sen University, Taiwan)	\$230	\$280
SC-8	Half Day (PM)	Sun. July 11	RFID channel modeling and characterization (Pavel Nikitin, Intermec Technologies)	\$230	\$280
SC-11	Half Day (PM)	Sun. July 11	Design and Beamforming of Low-Cost Phased Arrays (Mohammad Fakharzadeh, Safieddin Safavi-Naeini, University of Waterloo)	\$230	\$280
SC-14	Half Day (PM)	Sun. July 11	Communication Satellite Antennas: System Architecture, Technology, and Evaluation (Bob Dybdal, The Aerospace Corporation)	CANCELLED	
SC-17	Half Day (PM)	Sun. July 11	MIMO Antenna System, Channel Modeling and Emulation Test Challenges and Techniques (Jean-Marc Moreau, Agilent Technologies; Mehrbod Mohajer-Jasebi, University of Waterloo)	\$230	\$280
SC-4	Half Day (AM)	Sat. July 17	Low-profile wideband antennas using PEC and EBG reflectors (Hisamatsu Nakano, Hosei University)	\$230	\$280
SC-18	Half Day (AM)	Sat. July 17	GPU Acceleration of Computational Electromagnetics (Daniel L. Faircloth, R. Todd Lee, and James G. Maloney, Signature Technology Laboratory, Georgia Tech Research Institute)	\$230	\$280
SC-22	Half Day (AM)	Sat. July 17	Physics of multi-antenna systems and their impact on wireless systems (Tapan K. Sarkar, Syracuse University; Magdalena Salazar-Palma, Universidad Carlos III de Madrid, Spain)	\$230	\$280
SC-5	Full Day	Sat. July 17	Miniaturization Methods for UWB and Multiband Antennas (John L. Volakis, Chi-Chih Chen, and Kubilay Sertel, Ohio State University)	\$350	\$400
SC-13	Full Day	Sat. July 17	MW/mmW/THz Photonics With Applications to Phased Arrays and Systems (Dilip K. Paul, Consultant, ACES)	\$350	\$400
SC-20	Full Day	Sat. July 17	Radio Network Planning of 3.5G and 4G Mobile Networks (Francisco Falcone, Universidad Pública de Navarra)	CANCELLED	

\* Late fees apply if you have not registered by April 30, 2010

**Total Fee for Short Courses (please also enter on page 2)**

**US\$** \_\_\_\_\_

NOTE: The steering committee reserves the right to cancel short courses that have an insufficient number of registrants. A full refund will be issued if a short course is cancelled.