



2012 IEEE INTERNATIONAL POWER MODULATOR AND HIGH VOLTAGE CONFERENCE *San Diego, CA - June 3-7, 2012*



Call for Papers

Abstract Due Date: January 15, 2012

The IEEE International Power Modulator and High Voltage Conference (IPMHVC), sponsored by the IEEE Dielectrics and Electrical Insulation Society (DEIS) and technically co-sponsored by IEEE EDS and NPSS, is intended for engineers and scientists involved in all aspects of work with various types of high voltage and repetitive pulsed power equipment in government, industry, and university environments. We are expecting at least 350 attendees and more than 20 exhibitors to participate, representing more than 25 countries worldwide. In addition to the technical program, social events will include a reception in the conference Exhibitors area on Sunday night, June 3, a "Night Out" on the retired aircraft carrier USS Midway Museum on June 4, and the conference banquet on June 5.



Conference Location

The 2012 IEEE IPMHVC will be held from Sunday, June 3, through Thursday, June 7, 2012 in San Diego, CA. The conference hotel is the Hilton San Diego Bayfront, a flagship Hilton property on the West coast. This 30-story tower is San Diego's newest (completed in 2008) waterfront hotel and is located immediately adjacent to the San Diego Convention Center and just 10 minutes (3 miles) from the San Diego International Airport (SAN). It's also within walking distance, via a pedestrian bridge, of the San Diego Padre's PETCO Park stadium and the vibrant Gaslamp Quarter of the downtown area which boasts more than 16 square blocks and more than 150 restaurants, shops, and nightclubs. A block of rooms have been set aside for conference attendees at a special conference rate of \$174.00 for single or double occupancy and reservations may be generated through the link on the conference website, <http://www.nessengr.com/ipmhvc2012/lodging.php#Reservation>.



Abstract Submission

Abstracts will be accepted in the following topic areas starting on October 1, 2011, electronically submitted on the conference abstract website, <http://www.meetingassistant.com/IPMHVC2012/>. Authors will be notified by March 12, 2012 if their abstract has been accepted into the technical program.

- | | |
|---|--|
| <ul style="list-style-type: none"> • Solid State Modulators, Components, and Switches • Opening and Closing Switches • Power Conditioning and Pulse Shaping • Compact Pulsed Power and Power Modulator Systems • Rotating Machines and Energy Converters • High Energy Storage and Discharge Systems • High Current Systems and EM Launchers • High Power Microwaves and Other Radiating Structures • Lasers, X-Rays, EUV, and Other Emitters • Beams, Accelerators, Radar, and RF Applications | <ul style="list-style-type: none"> • Biological, Medical, and Environmental Applications • Analytical Methods, Modeling, and Simulation • Dielectrics, Insulation, and Breakdown • High Voltage Devices and Components • High Voltage Design and Analysis • High Voltage Testing and Diagnostics • Reliability and Transient Suppression • Power Electronics and Power Supplies • Prime Power and Power Systems • High Rep-Rate Systems and Thermal Management |
|---|--|

Short Courses

It is expected that 2-3 short courses will be held on Thursday, June 7, 2012 at the Hilton San Diego Bayfront (conference hotel). Short course topics for the 2012 IPMHVC are yet to be determined although we are currently considering the following topics:

- Utility High Voltage (Transformers, Generators, Transmission Lines, Switchgear, etc.)
- Power Electronics (Solid State Switch Technologies, Converters, Inverters, etc.)
- Power Modulator Technology (Charging Systems, Pulse Forming/Shaping, High Rep-Rate Switching, Thermal Mgmt., etc.)
- Pulsed Microwave and RF Devices (HPM, Klystrons, Magnetrons, Other Conventional Devices, NLTLs, etc.)
- Pulsed Power and Energy Efficiency (Compact Pulse Generators, High Energy Density and Novel Components, etc.)

Please feel free to contact the Short Course Chair, Dr. Chunqi Jiang, at chunqi@usc.edu or comment with topic recommendations on our LinkedIn, Facebook and Twitter pages. We are also actively researching whether we can provide Continuing Education Units (CEUs) or Professional Development Hour (PDH) credits for short course attendance.

Professional Awards, Student Awards, and Travel Grants

The IPMHVC is accepting nominations for the three professional awards including the Kenneth J. Germeshausen award, the William G. Dunbar award, and the Sol Schneider award. These include monetary awards, plaques, and recognition at the conference banquet. The IPMHVC is also accepting nominations for the High Voltage Association Student Excellence Award and the Tom R. Burkes Student Award and for student travel grants of \$500-\$1000. Additional information can be found on the conference website or by contacting the Professional Awards Chair, Dr. Steve Calico (steve.e.calico@lmco.com), or the Student Awards Chair, Dr. Jon Mayes (mayer@apelc.com). Nomination packages are due no later than March 19, 2012.

Conference Website: <http://www.nessengr.com/ipmhvc2012/>



Sponsored By:



Technically Co-Sponsored By:

