Welcome to Arlington for the 60th Annual Gaseous Electronics Conference (GEC) of the American Physical Society. The GEC 2007 will address a broad range of topics at the forefront of gaseous electronics. The program includes the GEC Foundation Talk, Student Award for Excellence Talks, 26 invited talks and over 230 contributed papers presented in oral and poster sessions. The conference is held in the Doubletree Hotel Crystal City, Arlington, VA.

The GEC Executive Committee is pleased to announce that the GEC Foundation Talk for 2007 will be presented by Professor Don Madison from University of Missouri, Rolla. His talk, “Why would anyone be interested in charged particle ionization of atoms or molecules?” will be given Wednesday morning at 10 AM in the combined Crystal Ballrooms. The GEC Foundation talk, alternating each year with the Allis Prize Lecture, provides a keen insight and individualized perspective into the principles of gaseous electronics.

Papers that have been accepted for presentation are listed in the technical program. Invited papers are allotted 25 minutes, with 5 additional minutes for questions and discussion. Oral contributed presentations are allotted 12 minutes, with 3 additional minutes for questions. Poster sessions will be provided with 48 in. by 96 in. poster boards. Presenters may mount their posters anytime in the day upon which their presentation is scheduled. Poster materials must be removed at the close of the poster session.
GEC STUDENT AWARD FOR EXCELLENCE

In order to recognize the outstanding contribution students of GEC student members, the GEC Executive Committee will award a $1000 prize for the best paper presentation by a student. Students must be nominated by a professional member before being selected to present and compete for the award. Students competing for the award, in the order of their appearance in the program, are:

Julian Schulze, Ruhr-University Bochum, “Electron heating in asymmetric capacitively coupled RF discharges at low pressures,” Tuesday, October 2, 10:45 AM.

Juan Trelles, University of Minnesota, “Comparison between non-equilibrium and equilibrium modeling results of an arc plasma torch,” Tuesday, October 2, 11:45 AM.

Fukutaro Hamaoka, Keio University, “Modeling of deep reactive ion etching of Si under plasma molding in 2f-CCP in SF6/O2,” Tuesday, October 2, 2:00 PM.

Corinne Duluard, GREMI, Orleans, “Neutral production in SF6/SiCl4 inductively coupled plasmas,” Tuesday, October 2, 2:15 PM.

Ali Baby, University of Ulster, “Ion flux and energy measurement at a pulsed biased electrode in a C2H2:Argon inductively coupled plasma during DLC growth,” Tuesday, October 2, 3:15 PM.

Joydeep Guha, University of Houston, “Surface recombination study in near real time in Cl2 plasmas,” Tuesday, October 2, 4:00 PM.


Scott Baalrud, University of Wisconsin-Madison, “Double layers at anode spots in low-pressure plasma,” Thursday, October 4, 11:30 AM.


REGISTRATION

The registration desk will be located outside the Crystal Ballrooms in the Doubletree Hotel. Registration will be available Monday afternoon from 4:00 – 6:00 PM and throughout most of the week, starting at 7:30 AM. The on-site conference registration fee is $400 for regular registrations and $200 for students and retirees.

BANQUET AND RECEPTION

An opening reception will be held on the evening of Monday, October 1, 2007, in the Windows Over Washington restaurant starting at 18:00. Windows Over Washington is on the 14th floor of the Doubletree Hotel and has floor to ceiling windows that offer breathtaking views of the DC sky line.

The conference banquet will be held in the Crystal Ballrooms of the Doubletree Hotel on Thursday evening, October 4, starting with a reception in the lobby at 6 pm. Banquet tickets are $65 and are available upon registration. Conference participants and guests are encouraged to attend the reception and the banquet.

E-MAIL AND OTHER BUSINESS SERVICES

Wireless internet access will be available throughout the conference hotel, including all guest rooms and public areas. A group logon and password will be provided with registration materials. Other business services (fax, photocopy services, etc.) will be available from the hotel business center.

AUDIO-VISUAL EQUIPMENT

Each conference room will be equipped with an LCD projector. If additional equipment is required, please contact the conference secretary.

DINING OPTIONS

A list with dining options in the vicinity of the Doubletree Hotel is included in the registration packet provided to each conference participant.
GUEST PROGRAM

Welcome to the greater metropolitan area of our nation’s capital. Crystal City is a business and meeting place strategically placed between Reagan National Airport and downtown Washington, DC. Crystal City bustles with activity based in the military, commercial and civilian government sectors. A short taxi or metro ride places you in the middle of the National Mall, flanked by the Washington Monument, the US Capitol and numerous Smithsonian Museums.

The Doubletree Crystal City is located in the northern portion of Crystal City, next to the Pentagon and Pentagon City Mall. The Mall provides locals and visitors with convenient access to shopping and dining and is short walk from the hotel. Downtown Washington, DC is a tourist’s paradise, between the numerous Smithsonian Museums (Natural History, American History, National Gallery of Art, Air and Space, Holocaust, Hirshorn, to name a few), national monuments (Washington, Jefferson, Lincoln, WWII, Korean War, Viet Nam, Iwo Jima,...) performing arts (Kennedy Center) the US Capitol, White House and Arlington National Cemetery. Guided and bus tours are available all day, every day and arrangements can be made in advance or on site at the Doubletree hotel. The fall in Washington, DC is pleasantly warm, and a tour of the monuments at night is particularly breathtaking.

For more information on the wide variety of activities and places of interest in Washington, DC, please visit www.washington.org.

CALL FOR NOMINATIONS FOR GEC GENERAL AND EXECUTIVE COMMITTEES

The GEC Executive Committee (ExComm) is the governing body of the GEC. It is the responsibility of the ExComm to oversee all aspects of the conference. This includes selection of meeting sites, budgetary decisions, selection of special topics and invited speakers, accepting and rejecting abstracts, and arranging of the program. The General Committee and the ExComm meet during the GEC, and the ExComm meets again during the summer to plan the program of the next GEC. There are numerous communications between members of the ExComm (usually e-mail) during the year to ensure the successful completion of their duties. We have been fortunate over the years to have a dedicated group of volunteers who have been willing to take on these very necessary roles.

The bylaws of the Gaseous Electronics Conference describe the process whereby members of the ExComm are elected. At the GEC Business Meeting (to be held on Wednesday, October 3, at 11:00 in the Crystal Ballroom), nominations are accepted for members of the GEC General Committee (GenComm).

The GenComm consists of the ExComm and six at-large members elected at the Business Meeting. The eligible voting membership of the GEC (defined as those attending the Business Meeting) elects six at-large members. The GenComm then meets to fulfill its only duty: to elect new members of the ExComm.

The ExComm membership consists of the Chair, Treasurer, Past-Secretary, Secretary, Secretary-elect, past or incoming Chair, and four at-large members. The Chair is a 4 year term (1 year incoming, 2 years Chair, and 1 year past-Chair), the Secretary is a 3 year term (1 year incoming, 1 year Secretary, 1 year past-Secretary), and all other ExComm members serve 2 years. The Secretary is the person who manages the local arrangements for the meeting and is usually "recruited" and appointed to the ExComm.

The ExComm welcomes nominations, including self-nomination, for both the GenComm and the ExComm. Becoming a GenComm and/or ExComm member provides a unique opportunity to see both how the GEC is run and to influence its future direction by helping to define the programs and choosing future sites.

Please submit your nominations to the GEC Chair or any member of the ExComm. The ExComm also welcomes inquiries on hosting future GECs.

GEC 2007 EXECUTIVE COMMITTEE

Peter Ventzek, Chair, Tokyo Electron
Greg Hebner, Past-Chair, Sandia National Laboratory
Klaus Bartschat, Treasurer, Drake University
Darrin Leonhardt, Secretary, Fusion UV Systems
Scott Walton, Co-Secretary, Naval Research Laboratory
Walter Lempert, Past-Secretary, Ohio State University
Larry Overzet, Secretary-Elect, University of Texas, Dallas
Stephen Buckman, Australia National University
Michael Schulz, University of Missouri, Rolla
Rainer Johnson, University of Pittsburgh
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PLEASE NOTE
The APS has made every effort to provide accurate and complete information in this Bulletin. However, changes or corrections may occasionally be necessary and may be made without notice after the date of publication. To ensure that you receive the most up-to-date information, please check the meeting Corrigenda distributed with this Bulletin.

GEC07 SPONSORS AND EXHIBITORS
Sponsors and exhibitors allow the GEC Executive Committee to provide many benefits to attendees, including travel assistance and decreased registration fees for junior attendees.

The GEC07 has been fortunate to receive support from the following organizations:
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