



January, 2019

Dear Prospective Sponsor/Exhibitor:

We are pleased to extend to you and your company the opportunity to exhibit and sponsor events at the 2019 IEEE International Pulsed Power and Plasma Science Conference (PPPS). This conference is fully (financially and technically) sponsored by the IEEE Nuclear and Plasma Sciences Society (NPSS).

Since 2001, the IEEE Pulsed Power Conference (PPC) and the IEEE International Conference on Plasma Science (ICOPS) have combined every six years to become the Pulse Power and Plasma Science (PPPS) Conference. PPPS 2019 is therefore the fourth combined conference of the PPC (22nd) and ICOPS (46th). Expected attendance of the combined conference is ~1200 attendees.

PPC has a history dating back to 1976 and this bi-annual conference provides a premier forum for the exchange and dissemination of technical information on pulsed power technology and engineering. Typically, more than 25 different countries submit abstracts and present papers, validating the truly international nature of the conference and its participants. The 5-day event consists of oral/poster presentations and technical discussions across all areas of pulsed power science, technology and applications. Recent Pulsed Power Conferences have had especially strong technical contributions in the areas of biological and medical applications.

ICOPS is an annual event organized and sponsored by the Plasma Science and Application Committee (PSAC) of the IEEE NPSS. The meeting covers both traditional areas of plasma science and new areas of growth. ICOPS offers an outstanding forum for scientists and engineers to learn some of the greatest advances in plasma science and technology in recent years and to discuss future directions.

This conference will be held in **Orlando, FL on June 23-28, 2019** at the DoubleTree by Hilton Hotel at the Entrance to Universal Orlando. The hotel is located within walking distance of Universal Studios Florida, Islands of Adventure, Universal's Volcano Bay™ Water Park and City Walk. This hotel has wonderful amenities in the 742 room, 18-floor tower with large meeting spaces. Booth space for the exhibitors is planned for a large 19,650 sq. ft. (1830 sq. m) area co-located with the poster session area. This same space will be shared with all conference food and beverage breaks including the Sunday night reception as well as breakfast and morning/afternoon refreshment breaks during each day of the conference. Our goal is to provide a comfortable and convenient atmosphere for exhibitors to meet attendees and market/sell their products and capabilities.

Being a conference exhibitor or sponsor is a tremendous way to expose your company to a broad spectrum of industrial, government, and university organizations and a way to prospect for both immediate and future business. Your competitors will likely be there and we sincerely hope you will too! Please see the enclosed Exhibitor and Sponsorship Prospectus for specific details on how your company can participate. There are limited exhibitor booths and sponsor events available and you are therefore encouraged to sign up as soon as possible in order to receive your preferred choices. Priority for booth location and event sponsorship choices will be given on a first come, first served basis based on the receipt date of the application and accompanying reservation deposit.

Your contribution and involvement as a Sponsor and/or Exhibitor are vital to the continued success of our conference and our ultimate goal is to give everyone the ability to benefit from this event by providing the potential for both business opportunities as well as knowledge transfer. We are excited to include you in the 2019 IEEE PPPS activities and look forward to your participation and a successful conference for everyone.

Sincerely,

Richard M. Ness
Exhibits Chair
rness1@ieee.org

Raymond Allen
PPPS Conference Chair
chair@ppps2019.org

SPONSORSHIP AND EXHIBITOR PROSPECTUS

With the large number of both domestic and international organizations expected to attend the 2019 PPPS, there is abundant opportunity for prospecting of both immediate and future customers. Past participant attendees to the PPPS have included the following affiliations:

5S Components Inc.	Colorado State University	HEM Technologies
ABB Switzerland Ltd.	Continental Electronics Corp.	High Current Electronics Institute
Agency for Defense Development	Cornell University	High Energy Accelerator Research Org.
Air Force Office of Scientific Research	Cymer	High Power RF
Air Force Research Laboratory	Dana Corp.	Hofstra University
Alameda Applied Sciences Corp.	Dawonsys	Honeywell FM&T
Alcon Laboratories	Dean Technology Inc.	Huazhong Univ. of Science & Tech.
Alpha Omega Power Technologies	Defense Threat Reduction Agency	HV Diagnostics Inc.
American Electric Power	Department of Defense	HVR Advanced Power Components
AMEWAS, Inc.	DGA	HVR International Ltd.
Ansoft	Diehl BGT Defense	Hypertronics
Applied Energetics, Inc.	Diversified Technologies, Inc.	IDA
Applied Physical Electronics, LC	DSO National Laboratories	IED
Applied Pulse Technology, Inc.	Durbin Group	IIT Bombay
Applied Pulsed Power, Inc.	Dynex Semiconductor	INFN
ARC Technology	e2V Inc	Innovar Technology Partners
Argonne National Laboratory	EADS ASTRIUM	Innovative Scientific Solutions Inc.
Army Research Laboratory	Ecole Polytechnique of Montreal	INPE
Atlantic Hydrogen Inc.	Eindhoven University of Technology	Institute of Applied Electronics
Auburn University	Envisioneering Inc.	Institute of Electrical Engineering
AWE	ESI University at Buffalo	Institute of Electrophysics
BAE Systems	ETH Zurich	Institute of Plasma Physics
Barth Electronics	FID BMBH	Ipswich Associates
Bergische Universitaet Wuppertal	FieldMetrics Inc.	Iris Power LP
Berkeley Research Associates	FOI	ISL
Betty Stallings & Associates	FOM Institute for Plasma Physics	ITHPP ALCEN
Brookhaven National Laboratory	General Atomics Electromagnetic Sys	ITT Gilfillan
Caton Connector Corp.	General Atomics Electronic Systems	Iwate University
CEA Gramat	General Atomics Energy Group	Jefferson Lab
CEA/DAM	General Electric Global Research	Jet Propulsion Laboratory
Center for Physical & Power Electronics	General Electric Healthcare	JMX Services, Inc.
CERN	GeneSiC Semiconductor Inc.	INTU. HYDERABAD
CFAC	Georgia Tech Research Institute	JPA, Inc.
Chinese Academy of Sciences	Goethe University	Kaiser Systems, Inc.
Chongqing University	Graz University of Technology	KEK
Chungnam National University	Greenblum & Bernstein, P.L.C.	Korea Electrotechnology Research
Clemson University	GSI Darmstadt	Ktech Corporation
CNRS UMR	Hanyang University	Kumamoto University
Coherent	Helmut-Schmidt-University	Kyushu Institute of Technology
L3 Pulse Sciences	PAL POSTECH	L-3 Communication
Laboratoire Physique Tech Plasmas	Paul Scherrer Institute	TomoTherapy Inc.

Lapp Insulators GmbH	Pearson Electronics Inc.	TPL Inc.
Lawrence Berkeley National Laboratory	Penn State University	Transtech Corp. USA
Lawrence Livermore National Labs	Powerex, Inc.	Transtech GmbH & Co. KG
LGE	Powertech Labs Inc.	Tri Alpha Energy
Lisbon University	Pulse Systems Inc.	Tsinghua University
Lockheed Martin	Pulsed Power Labs	TuiLaser AG
Los Alamos National Laboratory	R. E. Beverly III and Associates	Ultimate Membrane Technology, LLC
Loughborough University	Raytheon	Ultravolt inc.
Lunds University, MAX-lab	RAFAEL	Universal Technology Corporation
Magnetics	Rensselaer Polytechnic Institute	Univ. Federal de Campina Grande
Manitoba Hydro	RFI Corporation	Universite Orleans
MBDA	Rheinmetall	University at Buffalo
MCL, Inc.	Royal Military Academy	University of California - Berkeley
MDS AT	Rutherford Appleton Laboratory	University of Colorado
Megger	Saga University	University of Connecticut
Micro Innovations	SAIC	University of Erlangen - Nuremberg
Mississippi State University	Sandia National Laboratories	University of Maryland
MIT	SAS ITHPP	University of Michigan
MLase AG	SBE, Inc.	University of Missouri
Moose Hill Enterprises	ScandiNova Systems AB	University of New Mexico
Motorola Inc.	Science Research Laboratory	University of Nevada Las Vegas
MU College of Engineering	Sci-Eng Solutions LLC	University of Nevada Reno
MUONS Inc.	SEPI ESIME IPN	University of Nottingham
Nagaoka University of Technology	Shenyang University of Technology	University of Sao Paulo
Nagoya University	Shock Transients, Inc.	University of Science & Technology
National University of Singapore	Siemens AG CT T P-HTC	University of Southern California
Naval Air Systems Command	SLAC National Accelerator Laboratory	University of Strathclyde
Naval Air Warfare Center	Soreq NRC	University of Texas Austin
Naval Research Laboratory	Southern Taiwan University	University of Texas Tyler
NAVSEA	Sparktronics inc.	University of Tokushima
Ness Engineering, Inc.	SPAWAR	University of Waterloo
NNSA	Spectranetics	University of Windsor
Northrup Grumman	Spellman High Voltage	University of Wisconsin
NSFWC Crane	Sri Sai Ram Engineering College	U.S. Army AMRDEC
NSWC	Stangenes Industries, Inc.	U.S. Army ARDEC
NSWC-Dahlgren	Stevens Institute of Technology	USASMDC/ARSTRAT
NSTec LLC	Strategic Polymer Sciences, Inc	Varian Medical Systems, Inc
NTU	TDK-Lambda Americas	VJTI Mumbai
NWL, Inc.	Tech-X Corporation	W.L. Gore & Associates
Oak Ridge National Laboratory	Teledyne Reynolds Inc.	White Sands Missile Range
Ohio State University	Tetra Corp.	XLIM Limoges University
Old Dominion University	Texas Tech University	Yamagata University
Optiswitch	Thales Components Corp.	Yanshan University

This year's items are focused on individual exhibitor booth packages and other sponsorship opportunities.

BOOTH SPACE

The conference meeting space will be split up between the Doubletree Convention Center and the adjacent Universal Center Exhibit Hall. Oral sessions will be conducted within the ballroom space of the Convention Center building while the poster sessions, food and beverage events, and exhibitor booth space will be positioned within the adjacent Universal Center Exhibit Hall. Shown on the following page is a diagram of the hotel towers, Universal Center Exhibit Hall, and the Convention Center. As one can see, attendee traffic from the hotel towers will flow through the Exhibit Hall in order to get from the main hotel space to the Convention Center ballrooms for the session presentations. In addition, all poster sessions and food and beverage breaks will be held in the Exhibit Hall to maximize the attendee traffic through the exhibitor space.

Over 19,650 square feet (~1830 square meters) of space exists in the Universal Center Exhibit Hall to be shared by the exhibit booths, the poster sessions, and the food and beverage area. A diagram of this space with the booth layout and booth ID numbers is located on the page following the overall hotel and conference space floor plan.

Each booth will include a 7' (2.1 m) high draped back wall and 3' (0.9 m) high draped side rails, one 6' (1.8 m) draped table, two contour chairs, and one wastebasket, and a 7" x 44" (0.2 x 1.1 m) single line, company identification sign.

Assignment of booths will be done on a first come, first served basis determined by the receipt date of the registration and deposit. Exhibitors are encouraged to visit the conference website for updates and assignments which will be kept current as much as possible.

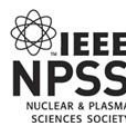
Exhibitors will be informed as to when booth registrations will be possible. Booth reservations can then be done online (via www.ppps2019.org) or by submitting the form on the back of this prospectus.

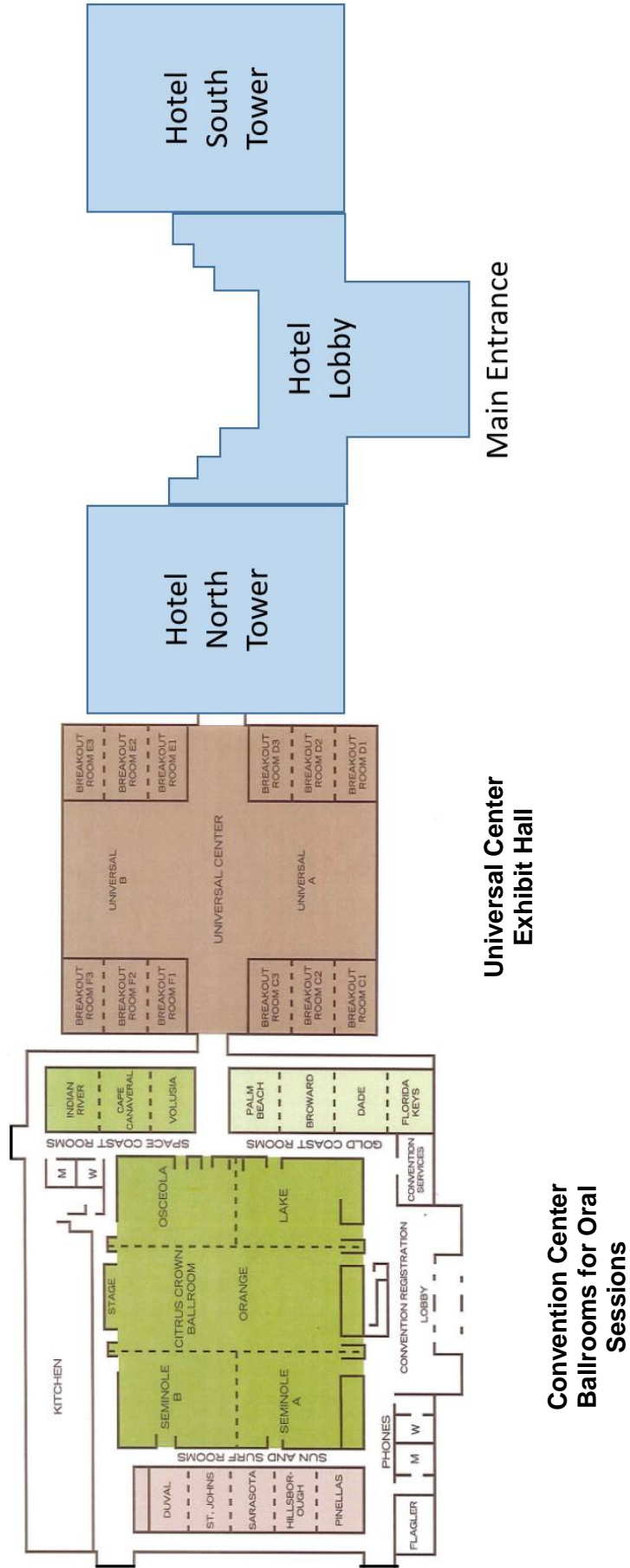
EXHIBIT HOURS

Tentative Exhibit area hours are as follows:

	Day	Start	End
Contractor Move-In	Sunday, June 23, 2019	8:00 AM	12:00 PM
Exhibitor Move-In	Sunday, June 23, 2019	12:00 PM	5:00 PM
Sunday Night Reception	Sunday, June 23, 2019	6:00 PM	8:00 PM
Exhibit Hours	Monday, June 24, 2019	7:30 AM	12:00 PM
Exhibit Hours	Monday, June 24, 2019	1:30 PM	5:00 PM
Exhibit Hours	Tuesday, June 25, 2019	7:30 AM	12:00 PM
Exhibit Hours	Tuesday, June 25, 2019	1:30 PM	5:00 PM
Exhibit Hours	Wednesday, June 26, 2019	7:30 AM	12:00 PM
Exhibit Hours	Wednesday, June 26, 2019	1:30 PM	3:30 PM
Exhibit Move Out	Wednesday, June 26, 2019	3:30 PM	7:00 PM

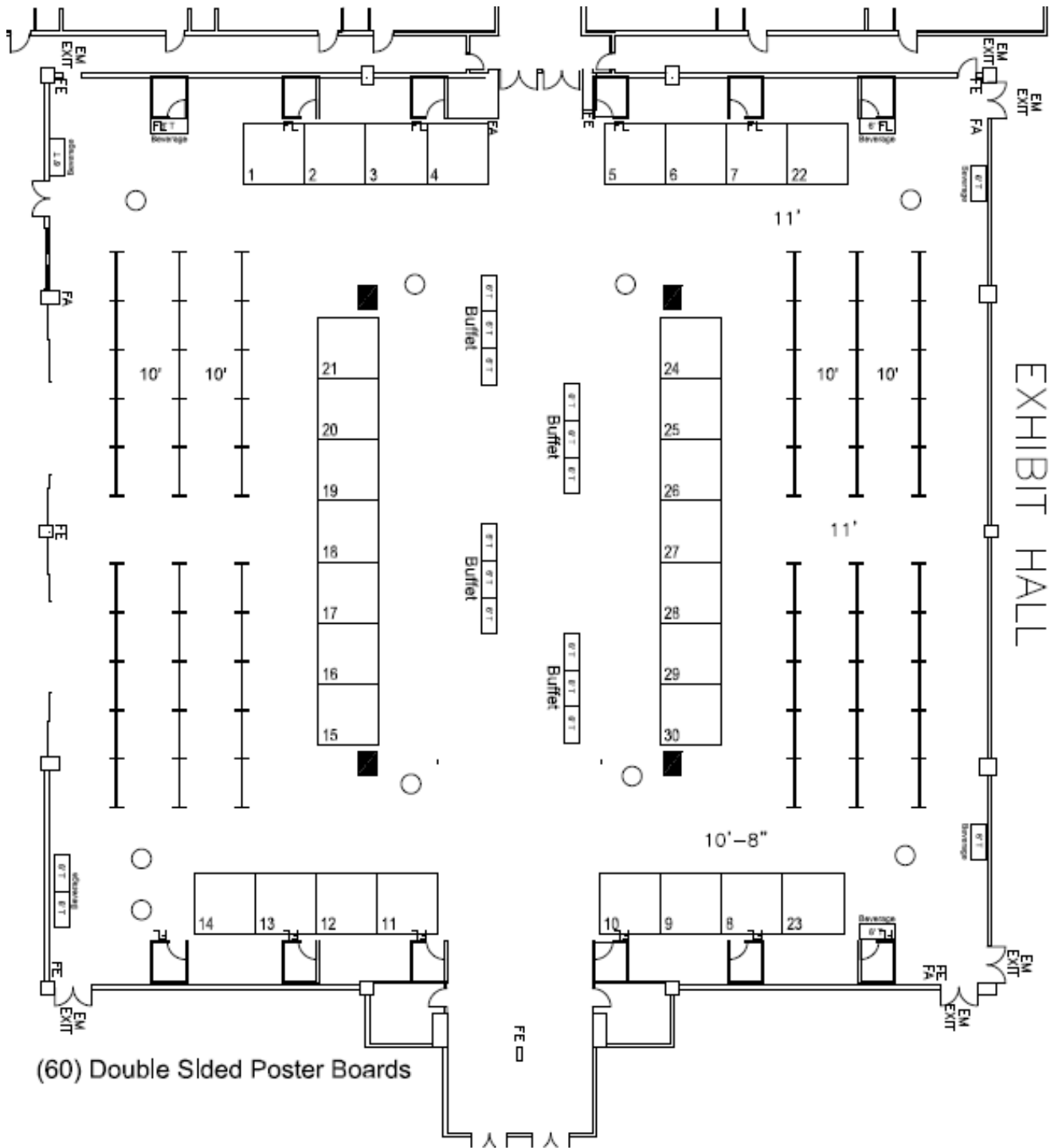
Vendors are expected to have at least one Exhibitor at their booth during the Exhibit hours listed above.



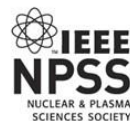


The figure below shows the booth layout planned for the Exhibits area. In this case, the convention center and ballrooms are at the top of the figure and access to the hotel towers is at the bottom. Thirty (30) booths have been arranged in this space.

TO CONVENTION CENTER AND BALLROOMS FOR ORAL SESSIONS



TO HOTEL TOWERS



FOOD AND BEVERAGE BREAK HOURS

Food and beverages throughout the conference will be served in the Exhibits area allowing significant potential for interfacing with attendees to showcase your company's products and solutions. These events will include the Sunday night reception as well as breakfast, a morning break, and an afternoon break for each of the three days of the main conference events. These events will provide over 8 hours of time for directly interacting with conference attendees. Our objective is to be sure that all attendees have ample opportunity to view the booths and interact with you during the overall conference.

Tentative Food and Beverage Event hours in the Exhibits Area are as follows:

	Day	Start	End
Sunday Night Reception	Sunday, June 23, 2019	6:00 PM	8:00 PM
Breakfast (3 Days)	Mon-Wed, June 24-26, 2019	7:30 AM	8:30 AM
Morning Break (3 Days)	Mon-Wed, June 24-26, 2019	9:30 AM	10:00 AM
Afternoon Break (3 Days)	Mon-Wed, June 24-26, 2019	3:00 PM	3:30 PM

BOOTH PACKAGE

This year we are offering the following exhibit booth package:

- Single Booth (\$4800) – 1 Booth and 2 Full Registrations and 2 Night Out Event Tickets

These Full Registrations include entrance and participation in the Sunday night reception and Night Out event and all Technical Sessions. Additional exhibitors must also register if they wish to attend the technical sessions. Tickets for additional exhibitors to attend just the social events can be purchased online or at the conference.

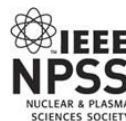
Single Booth Package (\$4800):

- One draped booth space from Sunday to Wednesday during the conference.
- Inclusion on the Sponsor Page of the USB thumb drive Proceedings.
- Inclusion of a Sponsor-provided one-page cut sheet in the Registration Package for conference attendees.
- Logo on the inside of the Pocket Program.
- Logo included on signage in the Conference meeting space area.
- Linked (to your company URL) website banner ad on the Exhibitors page. Ad will run from date of signed contract through conference end date and as long as the conference page is live.
- Two complementary full registrations to the Conference, including two free tickets to the Night Out event (Thursday night banquet tickets can be purchased at the same subsidized cost of \$25/person available to general attendees).

EVENT AND OTHER SPONSORSHIP PACKAGES

The following additional sponsorship opportunities are available:

- Lunch Shuttle Bus Sponsorship (\$5000 per day). Multiple buses will be scheduled to continuously shuttle attendees to and from the hotel and the Universal Orlando City Walk area for access to lunch restaurants. Shuttle buses will run from 11:30 AM to 3:30 PM Monday thru Friday and each one-way trip will require ~10-15 minutes depending on traffic conditions, etc. It is anticipated that each bus will have the capability to continuously loop promotional video provided by the sponsor (details TBD). Sponsors will also receive recognition on the website and pocket program.
- Portable device (e.g. smart phone, notepad, etc.) charging station sponsorship (Details are still being defined but the price is likely in the range of \$2500-3000 for the duration of the conference). Charging station will be



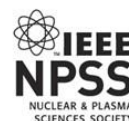
wrapped or labelled with sponsors logo and located within the exhibit hall or conference center foyer. Sponsors will also receive recognition on the conference website and pocket program.

- Rain Ponchos (\$4800). A custom labeled (with sponsor logo and conference logo) poncho will be distributed to each of the anticipated 1200 attendees and included in their conference bag. Sponsors will also receive recognition on the conference website and pocket program.

PPPS staff are also looking for other potential opportunities for vendor sponsorship (promotion of the banquet, night out activity, etc. Please contact Richard Ness (rness1@ieee.org) or Raymond Allen (chair@ppps2019.org) if you have any ideas on how your organization might like to participate.

Have any other ideas for sponsorship?

How can we better help to promote your products and/or services? If you have any additional ideas for sponsorship concepts, promotions, or items that we can potentially provide you to make your job more effective and your conference more productive, please don't hesitate to contact Richard Ness (rness1@ieee.org).



TERMS AND CONDITIONS:

1. Contract

This application, properly executed by Applicant (Exhibitor) shall upon written acceptance and notification of booths assigned by 2019 PPPS management constitute a valid and binding contract.

2. Assignment of Space

Assignment of space to exhibitors and those making application will be made in the order of date of receipt of contract application and required deposit. 2019 PPPS will continue to receive applications and assign exhibit space, as it remains available, until shortly before the show opening date. In all cases, total booth payments must be received prior to show opening.

2019 PPPS assignment of booths is final and shall constitute an acceptance of the Exhibitor's offer to occupy space. After assignment, space location may not be changed, transferred or canceled by the Exhibitor except upon written request and with the subsequent written approval of 2019 PPPS management. 2019 PPPS management reserves the right to reassign Exhibitor space in order to modify floor plan for overall benefit of the show.

3. Subletting Space

No exhibitor will assign, sublet, or apportion the whole or any part of the space allotted to him, nor exhibit therein, nor permit any other person or party to exhibit therein, any other goods, apparatus, etc. not manufactured or distributed by the Exhibitor in the regular course of his business except upon prior written consent of 2019 PPPS Management. Space reductions are considered cancellations and may be subject to cancellation fees.

4. Exhibit Space Rental Rates

Exhibit space rental includes materials and services described herein. Show price per 8 x 10 ft (2.4 x 3 m) space contracted at \$4,800 for one booth includes booth space without equipment.

5. Payment Requirements and Cancellation Charges

Applications require a 50% deposit before booths are assigned. Payment in full is required by 15 April 2019. All applications received after 15 April, 2019 must be accompanied by full payment.

All cancellations must be made in writing and will be based on the following schedule of refunds:

Before 15 April 2019 - Refund Less \$1000 processing fee On or after 15 April 2019 - No Refund

It is understood that 2019 PPPS reserves the right, at its option, to reassign a cancelled booth regardless of the cancellation rate assessed. In the event that the premises in which the 2019 PPPS Show is conducted shall become, in the sole discretion of 2019 PPPS, unfit for occupancy, or substantially interfered with by reason of any cause or causes not reasonably within the control of 2019 PPPS, this agreement may be terminated by 2019 PPPS. For this purpose, the term "cause or causes" shall include, but not by way of limitation, fire, flood, epidemic, earthquake, explosion or accident, blockage, embargo, inclement weather, governmental restraints, restraints or orders of civil defense, or military authorities, act of public enemy, riot or civil disturbance, strike, lockout, boycott or other labor disturbance, inability to secure sufficient labor, technical, or other personnel, failure, impairment or lack of adequate transportation facilities, inability to obtain, or condemnation, requisition or commandeering of necessary supplies or equipment, local, state or federal law, ordinance, rule, order, decree or regulation, whether legislative, equipment, local, state or federal law, ordinance, rule, order, decree or regulation, executive, or judicial, and whether constitutional, or act of God.

Should 2019 PPPS terminate this agreement pursuant to the provision of this paragraph the Exhibitor waives any and all claims for damages and agrees that 2019 PPPS may, after computing

the total amount of 2019 PPPS cost and expenses in connection with its preparation for and conducting of the 2019 PPPS Event, (including a reasonable reserve for claims and other contingencies), refund to the exhibitor, as and for complete settlement and discharge of all said Exhibitor's claims and demands, and amount which bears the same relationship to the fee paid by said Exhibitor as the total refundable amount as computed above bears to the total amount of fees paid by all exhibitors.

6. Exhibit Booth Manning and Dismantling Schedule

A representative must man exhibit space during all times when Exhibition is officially open. Exhibit space must be maintained in a neat and orderly manner throughout the Exhibition. Exhibitors may begin dismantling only after hours stated in exhibitor service manual. Move-out must be completed by hours stated in exhibitor service manual. Exhibitors are responsible for removal of all materials used in their display. Any exhibitor leaving materials after hours stated in exhibitor service manual will be charged for the materials' removal.

7. Losses or Damage

Exhibitor agrees that 2019 PPPS shall not be liable for any damage or liability of any kind or for any loss, damage or injury to persons or property during the term of this agreement, from any cause whatsoever by reason of use, occupation and enjoyment of exhibit space by Exhibitor or any person thereon with the consent of Exhibitor, and that Exhibitor will defend, indemnify and save harmless, 2019 PPPS from all liability whatsoever, on account of any such damage, or injury, whether or not caused by negligence or breach of an obligation by Exhibitor or its employees or representatives. Exhibitor will be liable for all damages, or liability of any kind or for any loss, damage or injury to persons or any property during the show from any cause whatsoever by reason of use, occupation and enjoyment of exhibit space.

8. Demonstrations

No demonstrations or solicitations shall be permitted outside of the Exhibitor's assigned space, and no signs or placards may be displayed on persons or otherwise outside exhibit spaces.

9. Compliance

The Exhibitor assumes all responsibility for compliance with all pertinent ordinances, regulations and codes of duly authorized local, State and federal governing bodies concerning fire, safety and health, together with the rules and regulations of the operators and/or owners of the property wherein the Show is held.

10. Policy

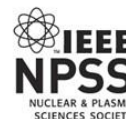
It is further agreed that the Exhibitor will abide by and comply with rules and regulations concerning local customs that may apply, having agreements with the Show Facility or with authorized contractors employed by 2019 PPPS.

11. Management

The Exhibitor further agrees that the conditions, rules and regulations of the 2019 PPPS management are made a part of this contract and that said Exhibitor agrees to be bound by each and all of these rules and regulations, and that the management shall have the full power to interpret, amend and enforce all rules and regulations in the best interest of the Show.

12. Alteration of Booth Space

2019 PPPS management shall be entitled to alter the layout if, in their opinion, this is in the general interest of the Exhibition.



2019 PPPS EXHIBITOR REGISTRATION FORM

COMPANY INFORMATION *(as you wish it to appear in Conference material)*

Company Name:

Company Contact:

Title:

Phone:

Email:

Name of On-site Contact:

Cell Phone: (On-site contact)

Mailing Address:

City:

State:

Zip:

EXHIBITOR PACKAGE *(Please select all that apply)*

Single Booth (\$4800): Standard Booth and 2 Full Registrations

1st Booth preference: _____

2nd Booth preference: _____

3rd Booth preference: _____

4th Booth preference: _____

CREDIT CARD PAYMENT INFORMATION *(If applicable, please fill in all information)*

Billing Name:

Billing Phone:

Billing Address:

City:

State:

Zip:

Country:

Payment Amount (USD):
\$

Card Type:

Visa

MC

Amex

Payment Date:

Credit Card Number:

Expiration Date:

CCV:

Signature:

Signature affirms agreement to payment terms and all requirements, restrictions, and obligations set forth in the PPPS Conference Prospectus which accompanied this application and any other rules and directives which at any time are issued by the conference in connection with the PPPS Conference and/or DoubleTree by Hilton at the Entrance to Universal Orlando.

Signature is required. FAX form to Richard Ness at +1 858-240-2299.

PAYMENT TERMS:

- Payment by Check (make payable to "2019 PPPS") or Credit Card
- 50% Deposit (\$2400) Due with Exhibitor Registration
- Full Payment Due by April 15, 2019

Send Payment Check To:

Richard Ness
PPPS Exhibits Chair
Ness Engineering, Inc.
P.O. Box 261501
San Diego, CA 92196
+1 858-566-2372
nessengr@san.rr.com

