2020 EXHIBITOR PROSPECTUS

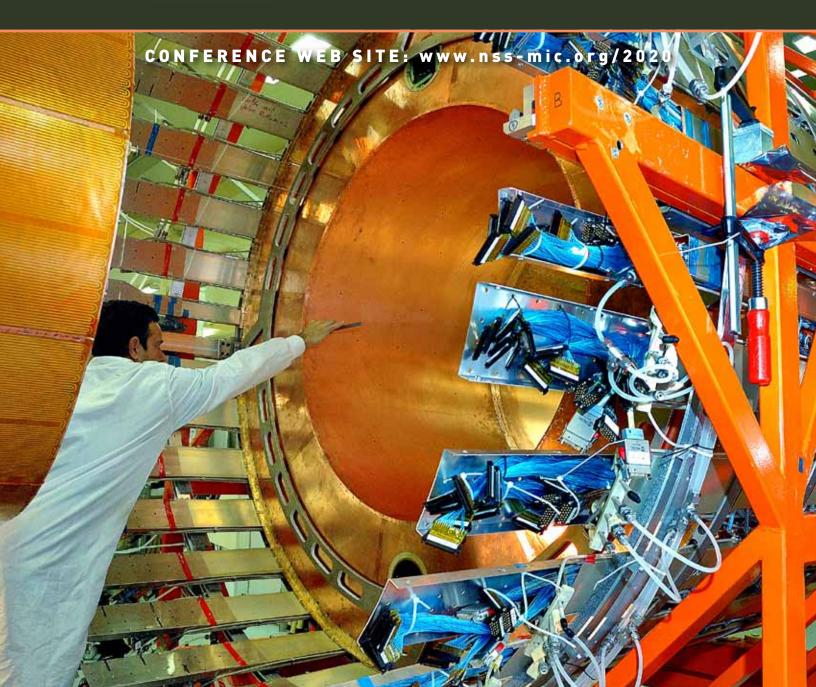
IEEE Nuclear and Plasma Sciences Society

INDUSTRIAL EXHIBITION

Boston Convention and Exposition Center, Boston,
Massachusetts



Nuclear Science Symposium & Medical Imaging Conference



LIST OF PREVIOUS EXHIBITORS

Kinheng Crystal Material (Shanghai) Co.

Kromek Group plc

K-TEK International

Luxen Technologies, Inc.

Micron Semiconductor MILABS BV

Mediso Medical Imaging Systems

Merk Performance Materials

Mirion Technologies (Canberra)

Nara Institute of Science and Technology

DATES

labZY, LLC

Metorex OY

Moxtek, Inc. Nalu Scientific

NanoFocusRav

North American Scientific

NuCare Inc. / R&D Center

Nuclear Fields (Aust) Ptv Ltd

Nuclear Instruments S.R.I.

Nuctech Company Limited

ON Semiconductor Limited

ORTEC/AMETEK

PFTsvs Flectronics SA

Photonic Materials Ltd.

Precision Data System

Quaesta Instruments LLC

Radiant Detector Technologie

Rohde & Schwarz GmbH & Co.KG

Saint-Gobain Crystals & Detectors

Samsung Electronics Co. Ltd

Radiation Sensors, LLC

Ravence Co., Ltd

Rockwood Lithium

Saes Opto

Philips Digital Photon Counting

Polymer Assembly Technology

PANalytical

Photek Ltd

Orhotech Medical Solutions (OMS)

Oxide Corporation / /Marubeni Specialty Chemica

Nuclear Shields R V

NIIVIA

Acrorad Co., Ltd. Adit Electron Tubes ADVACAM Ltd. AdvanSiD S.R.L AFO Research Inc. Agilent Technologies Aguila Technologies Aisense d.o.o. Albemarle Corporation Aldrich-APL, LLC Alibava Systems, S.L. Alnha Magnetics Alpha Spectra, Inc. Alphacore Inc.

AMETEK (GB) Limited AMPTEK Inc. AMSC Co Amsterdam Scientific Instrumen AMT Solution Co. Ltd. ΔPI Ennineered Material ARAIFIAR

Avago Technoloies GmbH, a Broadcom Inc., Co. Baker Hughes a GE Company — Reuter Stokes **Baltic Scientific Instruments** Bee Research Pty Ltd Beijing High Energy New Technology Co., ltd

Beijing Normal University / Novel Device Laboratory (NDL) **Berthold Technologies** BHGE / Reuter-Stoke: BIC Technology Ltd BNNT IIC BRIGHTSPEC NV/SA Broadcom / IFPD Bruker BioSpin **Burle Industries**

C&A Corporation CAEN S.p.A. **CAEN Technologies** CaneSym. Inc. CERN (European Organization for Nuclear Research) Chemetall GmbH

CPS Innovations

Hangzhou Yong Hee Photonics Co.,Ltd

Hitachi High-Technologies Science IDEAS - Integrated Detector Electronics A

Hellma Materials GmbH

Hilger Crystals

Imdetek Co. Ltd.

INFN-Napoli

Inrad Optics Integrated Detector Electronics AS

innoRIID GmbH

iseg Spezialelektronik GmbH

Isotope Products Laboratories

Itech Instruments

JT Crystal Technology

ISE-Ingegneria dei Sistemi Elettronio

CLEAR PULSE Co., Ltd

Satrec Initiative Science & Technology Facilities Council Crytur Ltd Scintacor ScintiTech/AMCRYS Direct Conversion Scionix Holland BV DOE Instruments SensL Technologies Ltd DRGEM Corporation ET Enterprises Ltd

SGX Sensortech LTD. Electron Tubes Shanghai Proiect Imp.& Exp. Co., Ltd. Elien Technology Shanghai SICCAS High Technolog Else Nuclear Sichuan Tianle Photonics.Co., Ltd. **EMD Performance Material** Siemens Medical Solutions, USA FPIC- Crystal Co. Ltd. SINTEF Minalah ET Enterprises Eurorad

Strasbourg MedTech /Eurometrope consortiu Struck Innovative Systeme, GmbH Field Viewers Ltd Inc Suzhou JT Crystal Technology FLIR Systems Taiwan Ostor Corp. Furukawa Co., Ltd. Target Systemelektronik GmbH & Co. KG Gamma Medica - IDEAS TDK Corporation TechnoAP Co.Ltd **GE Energy** TechnoAP Co., Ltd. GF Global Research

Teledyne Microelectronics **GE Power Systems** Teledyne Signal Processing Devices Sweden AB Tohoku-MicroTec Co., Ltd Tokuyama Corporation U.S. Naval Research Laboratory Hamamatsu Photonics UK Limited

United Imaging Healthcare Universal Voltronics Vertilon Corporation Vieworks Co., Ltd

W-IE-NE-R, Plein & Baus Corp.

X-Ray Imaging Europe & X-Spectrum

Yasu Medical Imaning Technology Co. Ltd

Wiener-ISEG-Mesytec

XGLab S.R.L.

X-Ray Imatek S.L.

ZRF RITEC SIA

Zecotek Medical Systems

XIA LLC

High Energy Physics Detectors

High Resolution Imaging Systems

Homeland Security Instrumentation

Biological Research

Intra-operative Probes and Portable

CONFERENCE: Saturday to Saturday, 31 October – 7 November 2020 SCIENCES SOCIETY

LAB

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TENTATIVE 2020 EXHIBITION SCHEDULE

EXHIBITION: Monday through Thursday, 2-5 November 2020

MONDAY, 2 NOVEMBER Decorator Set up - 8 AM to 12 noon Exhibitor Set up – 12 noon to 6 PM

TUESDAY, 3 NOVEMBER Exhibitor Set up -7 AM to 11 AM Decorator clean-up - 11 AM to 12 Noon

Exhibition Open for attendees - Noon to 7:30 PM,

with Refreshment break - Mid afternoon Exhibitor Reception starting at 6 PM

WEDNESDAY, 4 NOVEMBER Exhibition Open for attendees – 9 AM to 6 PM Refreshment breaks - Mid morning and mid afternoon

THURSDAY, 5 NOVEMBER Exhibition Open for attendees – 9 AM to 4 PM Refreshment breaks - Mid morning and mid afternoon Exhibition dismantling and removal - 4 PM -11 PM

WHO SHOULD EXHIBIT AT NSS-MIC?

NSS-MIC is one of the world's leading multidisciplinary conferences focused on advancements in the fields of nuclear science, radiation detection, software engineering, data acquisition and medical imaging applications. NSS-MIC attendees are interested in products in the following areas:

Accelerators and Beam Line Instrumentation

Analog and Digital Circuits

New Detector Materials

Technologies for Medical Imaging

Astrophysics and Space Instrumentation

Computing and Software for Experiments

Data Acquisition and Analysis Systems

Detector Systems for Homeland Security

Emission Tomography Instrumentation (PET, SPECT)

Environmental Health and Safety Instrumentation

Gaseous Detectors

Instrumentation for Medical and

Imaging Systems

Modeling of Medical Imaging Systems

Multi-modality Systems

Radiation Detectors

Solid State Detectors

Nuclear Magnetic Resonance

Nuclear Measurements and Monitoring Equipment

Nuclear Physics Instrumentation

Optical Imaging Technology and Processing, Ultrasound, Synchrotron Radiation, Impedance/Biomagnetic/ Bioelectric Imaging

Photodetectors and Radiation Imaging

Power Supplies

Image Processing

Radiation Damage Effects

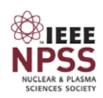
Scintillation Detectors

Solid State Tracking Detectors

Synchrotron Radiation Instrumentation

Trigger and Front-End Systems

X-ray Computed Tomography



Dear Industrial Partner:

The 2020 IEEE Nuclear Science Symposium, Medical Imaging Conference and 27th Symposium on Room-Temperature Semiconductor Detectors will take place at the Westin Boston Waterfront from 31 October to 7 November 2020. This joint conference has historically been one of the largest and most important technical meetings in the field of radiation detection instrumentation and signal processing for high energy physics, medical imaging, photon science, space applications, homeland security, and much more. It always attracts the active participation of an international group of world-class scientists and engineers who present their most recent research results and attend advanced workshops and courses. It will provide an exceptional opportunity for you to showcase your newest products and services, and we hope you can join us there!

For the past several years attendance at the NSS, MIC and RTSD has averaged about 1800, and we anticipate at least this many in Boston in 2020. Around 75 exhibitor booths have typically been available, which usually sell out well before the conference. In 2020, we will be able to offer 80 10 x 10 ft booths that will be co-located with the meeting's poster sessions and coffee break areas in Boston Convention Center adjoining the hotel, enhancing traffic flow through the exhibit area and interactions with attendees. Details on the layout can be found in this prospectus. A limited number of booths have been blocked as double until 1 June when they will be released as single booths. All reservations are on a first-come, first-served basis, so don't delay submitting your request!

To allow the NSS, MIC, and RTSD communities ample time to visit with you, the exhibits will be open from Tuesday lunch through Thursday afternoon, with time on Monday afternoon and Tuesday morning to set up your booth, and on Thursday evening and Friday morning to dismantle it. To further enhance your networking opportunities with the attendees, a 90 min "Happy Hour" reception will be held in the exhibits area on Tuesday evening immediately following the end of the technical sessions. Drinks and hors d'oeuvres will be served. The detailed exhibitor's schedule is included in this prospectus.

You should not miss the opportunity to further increase your visibility to the scientific community by participating in the Exhibitor Technical Sessions, which will be held in a meeting room with the main sessions on Wednesday. These presentations should be aimed at providing basic technical information on the usage and/or performance of a product or service. Each talk will be allocated 18 min including presentation and discussion. These talks will be scheduled in line with the other scientific technical sessions and will be fully integrated with the main conference program, encouraging greater attendee awareness and participation. Presentation time slot and title must be submitted on the conference website before 1 October 2020. The number of talks will be limited, so submit your request early to avoid being left out! During the exhibition a Technology Transfer Program will also be organized, giving the opportunity to the scientific community participating in the conference and to you to discuss how best industry can profit from the technological developments carried out in academia.

On behalf of the 2020 NSS MIC Organizing Committee and its General Chair, Lorenzo Fabris, we invite you to take part in this unique opportunity to present your products and to network with our world-class scientific and technical communities. Your active participation is crucial for the success of this meeting, and we thank you for your continued support through your attendance. We look forward to seeing you in Boston.

Ronald Keyser, Industrial Program Chairs

RENTAL RATES

Each single booth space is \$4,000.00 and is 10' deep x 10' wide. Space includes 8' high curtain back wall, 3' high curtain side dividers and 44" x 7" identifications ign. No furnishings or utilities are

high curtain back wall, 3' high curtain side dividers and 44" x 7" identification sign. No furnishings or utilities are included and should be ordered on the service forms that will be sent in the Exhibitor Manual in July 2020.

Double booths are \$8,000, and are 10' deep x 20' wide.

Other specifications are twice the single booth specifications. Three spaces inline or in an "L" shape is three times the specifications as the single booth.

EXHIBITION DIRECTORY

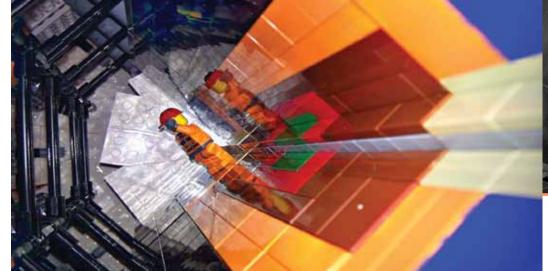
The exhibit fee includes Exhibitor listing (including company name, address details, and a brief description of services and products presented) in the NSS-MIC Meeting App, which will be available electronically about three months before the conference and updated weekly as part of the electronic program book. A printed version will be available at the conference.

EXHIBITION DIRECTORY ADVERTISING

Exhibitors can enhance their participation in the Exhibition by placing paid advertisements in the Exhibition Directory. Scrolling banner ads in the NSS-MIC Meeting App or equivalent will also be available. For complete rates and technical specifications, please contact the Industrial Program Chair.

TERMS AND CONDITIONS OF EXHIBITING

Exhibitors are asked to pay particular attention to the General Exhibition Regulations contained in this prospectus. Signature of the Exhibition Application Form implies acceptance of these conditions.



RESERVATIONS

Applications will be processed beginning on 15 January 2020, on a first-come, first-served basis. Exhibitors should complete the online application and payment form at: http://www.nss-mic.org/2020. A preliminary floor plan is shown below. The final floor plan will be available during the registration process.

CONFERENCE DELEGATE REGISTRATION

Each registered company will receive one complimentary full conference registration per booth, including access to the scientific program and conference proceedings. In addition to the Full Conference Registration, two exhibition staff registrations are included for each booth space rented. Exhibition staff badge holders are not permitted in the technical sessions. Registration codes will be issued when registration is opened to register at the special rates on the regular conference registration website. Exhibitor badges may be picked up at the conference registration desk. Staff registrations may be upgraded to full registrations by paying the difference between the staff fee and the full fee. Staff registrations in addition to the two are \$300. IEEE member fees are included.

TERMS AND CONDITIONS OF EXHIBITING

Exhibitors are asked to pay particular attention to the General Exhibition Regulations contained in this prospectus. Signature of the Exhibition Application Form implies acceptance of these conditions.

For further general information on the exhibition please contact the Industrial Program Chair: Ron Keyser, PhD, Exhibits Committee Chair, ronkeyser@ieee.org

To book your space, go to the registration website shown on: http://www.nss-mic.org/2020

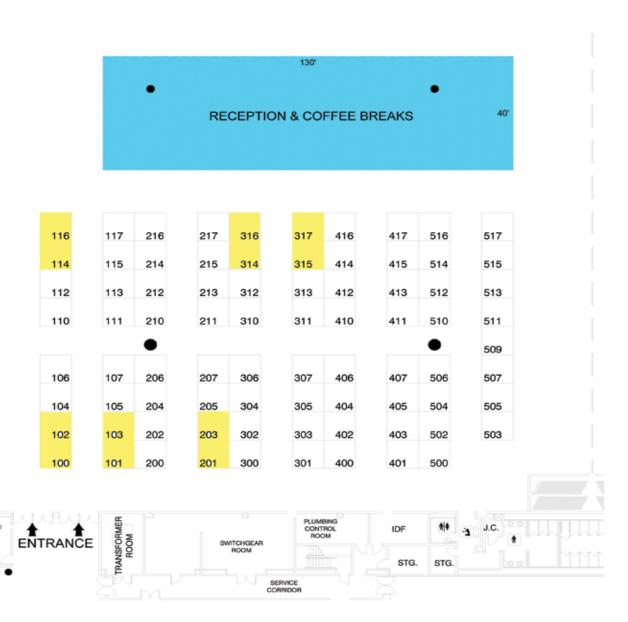
The floor plan in this brochure is correct at the time of printing. However, the organizers retain the right to make alterations should it be deemed necessary.



Boston Convention and Exhibition Center

2-5 November 2020

POSTERS



TYPES OF BOOTHS:

White - single 10' x 10' booths and may be reserved as one booth or combinations of booths.

Yellow – double 10' x 20' booths will be only available as double until 1 June 2020. Reservations will be accepted for the individual booths in the case they are not sold as doubles but you should reserve a different single booth in case the one you prefer does not become available. After 1 June, you will be asked if you want to switch booths or not. On 1 June 2020, any doubles not sold will be available as singles to new registrants.

BASIC TERMS AND GENERAL EXHIBITION REGULATIONS

1. Purpose

The main purpose of the conference is educational and the exhibits together with the technical sessions are vital elements of this process. Management and the Applicant agree that the purpose of the exhibition is educational and will conduct themselves accordingly. The exhibits shall be arranged so as not to obstruct the general view nor hide the exhibits of others. Plans for specially-built displays not in accordance with regulations should be submitted to Management for consideration and approval before construction is ordered. Sales are not permitted in the Exhibition.

2. Contract

This application, properly executed by the Applicant (the "Applicant") named in this application (the "Application"), shall upon written acceptance by the management team (the "Management") of The Institute of Electrical and Electronics Engineers, Incorporated ("IEEE") constitute a valid and binding agreement between the parties. The Applicant agrees to be bound by the rules and regulations established in this Application. This document details the conditions under which the Applicant agrees to contract with IEEE and will be strictly enforced by IEEE.

3. Licensed Space

Applicant is licensed to use exhibit space which includes the following exhibit equipment as listed below in Section 18. Management accepts no liability for losses or damages of any kind sustained through the exhibition, except for losses or damages caused by the sole negligence or willful misconduct of Management. The parties to this contract agree that this agreement is a license to use exhibit space and not a lease or sublease of real property.

4. Fire. Safety and Health

The Applicant assumes all responsibility for compliance with local, city and state ordinances and regulations covering fire, safety and health. Applicants must construct booths in such a manner that will reasonably accommodate expected attendees within the confines of their licensed exhibit space No unaccompanied or unsupervised minors; under the statutory age of legal consent shall be allowed in the exhibit hall at any time.

5 Union Laho

The Applicant must comply with all union regulations applicable to installing, dismantling and display of the exhibits.

6. Installation and Dismantling of Exhibits

Exhibits must be completely installed and finished prior to the scheduled exhibition opening date and time and must remain in place until the show closes.

7. Sublicensing of Space

The Applicant shall not assign, sublicense or permit the whole or any part of the exhibit space licensed to Applicant or have representatives, equipment or materials from any other firms than their own in the exhibit space without the written consent of Management. Only one company shall be considered as the Applicant, and no other company is licensed to use the space unless said company or unit is a subsidiary, parent, or affiliate of the Applicant.

8. Official Contractor

The Official Contractor has been designated to perform services for an Applicant such as the rental of furniture, erection of exhibits, electrical work, plumbing, labor, cleaning and other service. No Applicant or representative shall contract for such services with other than the said official contractor without the express written consent of Management, which, for reasons of security, in its sole discretion can deny such permission. In the event Applicant hires subcontractors to perform services for the event, Applicant shall: (a) remain fully responsible and liable for the subcontracted obligations and duties to the same extent as if Applicant had fulfilled the obligations and duties itself; (b) bear all responsibility for paying such subcontractors and not charge IEEE/Management for the services performed by such subcontractors; and (c) indemnify IEEE against any third party damages arising from the gross negligence or willful misconduct of such subcontractors.

9. Insurance

The Applicant is required to obtain public liability insurance in the amount of one million dollars (\$1,000,000). Such insurance maintained by the Applicant must be issued by an insurance company with an A.M. Best rating of A or higher and shall include coverage of the indemnification obligations of the Applicant under this Application. Each Applicant is also required to carry workers compensation protecting employees in accordance with the laws of the state in which the program or conference is being held. Nothing in this paragraph shall limit the amount of liability the Applicant may be responsible for.

10. Indemnificati

The Applicant assumes entire responsibility for and hereby agrees to protect, indemnify, defend and hold harmless, IEEE and its employees, subsidiaries, affiliates and agents, against all third-party claims, losses and damages to persons or property, governmental charges or fines, and other reasonable expenses, including attorney's fees, arising out of or due to the Applicant's or its employees, subsidiaries, affiliates or agents negligence or willful misconduct. In addition, the Applicant acknowledges that IEEE does not maintain insurance covering the Applicant's property and that it is the responsibility of the Applicant to obtain business interruption and property damage insurance covering such losses sustained through the programs or conferences.

11. Limitation of Liability

The Applicant agrees that IEEE shall not be liable for any damage or injury to persons or property during the term of this Application, from any cause whatsoever, and that the Applicant will indemnify and hold harmless IEEE from all liability whatsoever, on account of such damage, or injury whether or not caused by negligence of or breach of an obligation by the Applicant or its employees or representatives.

12. Unoccupied space

Management reserves the right, should any Applicant's licensed space remain unoccupied on the opening day, or should any space be forfeited due to the failure to make proper payment, to license any space to any other Applicant, or use said space in any other manner but this clause shall not be construed as affecting the obligation of the Applicant to pay the full amount specified in its invoice for the licensed space under the terms of this contract.

13. Inability to Perform

If Management should be prevented from holding the exhibition by any cause beyond its control (such as fires, strikes, Acts of God, etc.) or if it cannot permit the Applicant to occupy his space due to circumstances beyond its control, Management will refund to the Applicant the amount of the license fee paid by them, and IEEE shall have no further obligation or liability to the Applicant.

14. Observance/Compliance of Laws

Applicant shall abide by and observe all laws, regulations and ordinances of any applicable government authority and all rules of the convention center/hotel. Applicant is required by the applicable state laws to be solely responsible for the collection and remittance of any taxes imposed on them.

15. Assignment of Space

In the current scheme, the company selects their booth on an interactive website. All the currently reserved booths are shown with the company name. Once selected the booth can only be changed by application to the Exhibit Chairman. Payment must be received within 14 days or the assignment will be released.

Management reserves the right to withdraw its acceptance of this application/contract if it determines in its sole discretion that the Applicant is not eligible to participate, or the Applicant's product or service is not eligible to be displayed in this exhibit, provided, however, that Management will refund to the Applicant any fees paid by Applicant.

16. Non-Discrimination

IEEE is committed to the principle that all persons shall have equal access to programs, facilities, services, and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by the IEEE's policy and/or applicable laws.

IEEE prohibits discrimination, harassment or bullying against any person because of age, ancestry, color, disability or handicap, national origin, race, religion, gender, sexual or affectional orientation, gender identity, appearance, matriculation, political affiliation, marital status, veteran status or any other characteristic protected by law. IEEE expects that its partners, contractors, affiliates and clients shall maintain an environment free of discrimination, including harassment, bullying, or retaliation when and where ever those individuals are conducting business with IEEE or participating in IEEE's events or activities.

17. Publicity

Management may use Applicant's name and any non-confidential materials provided by Applicant on Management's website, and for internal and trade purposes, but only for the purposes of promoting this exhibition.

18. Exhibit Space Rental Rates

Exhibit space rental includes materials and services described herein. Exhibition Price per $10' \times 10'$ booth: \$4,000. Includes: Exhibit space; 8' high back and 3' high side curtains, 7" x 44" identification sign, and Exhibition Directory listing. Double

booths are \$8,000, or twice the single with twice the width specifications as the single booth. Three exhibit booths are three times the specifications as the single booth. Exhibition aisles

will be carpeted and cleaned. With the rental of each booth space there will be allocated two

- (2) "exhibits only" passes and one full conference registration.
- 19. Payment Requirements and Cancellation Charges

Full payment must accompany this Application and the Application will not be processed without such payment. A completed application with full payment and all requested information should be submitted at http://www.nssmic.org/2020/Exhibit.asp. The Applicant must notify IEEE in writing of any cancellations. Cancellations are not effective until notice has been received in writing by IEEE and permission to cancel granted by IEEE. Space reductions are considered cancellations and may be subject to cancellation fees. Refunds are given as follows:

On or before June 1, 2020, 50% of total booth cost, less a 100 service fee, will be refunded.

After June 1, 2020, No Refund will be permitted. No-show exhibitors will receive no refund.

It is understood that Management reserves the right, at its option, to reassign a cancelled booth regardless of the cancellation rate assessed.

20. Amendment

All matters and questions not covered by this Application are subject to the decisions of Management. This Application may be amended at any time by Management upon prior written notice and all amendments that may be so made shall be equally binding on all parties affected by them as by the original regulations.



Booth Reservation and purchase:

Registration will open after 15 January 2020 using a web-based registration system. The display will be a representation of the actual arrangement of the booths, aisles, coffee stations, and entrance/exits. In this system, you will be able to see the booths that are sold and the company that has purchased that booth or booths.

Several pairs of booths will be grouped as "doubles." These will be reserved as doubles until 1 June 2020. Any unsold booths will then be available as singles.

You should have the following information ready when you make your online application to reserve your booth:

Company Name, Street Address, City, State, Postal Code, Country.

Phone, Email, web address Exhibit Contact, Exhibit Contact email,

Payment information is required to reserve the booth.

No furnishings or utilities are included and should be ordered on the service forms that will be sent in the Exhibitor Manual in July 2020.

The conference website is www.nss-mic.org/2020, look in the Industrial Program section.

Payment:

A payment of the total booth cost is required to confirm your application. No space will be allocated without payment. Payment can be made by Amex, MasterCard, Visa, or wire transfer. Card details are entered on the secure website. There is a \$50.00 service charge for wire transfers.

Reserving a booth and making the payment means: The undersigned acknowledges receipt of the "Basic Terms and General Exhibition Regulations" contained herein, and further agrees to abide by these Basic Terms and General Exhibition Regulations.

Shipping:

Exhibit materials may not be sent directly to Boston Convention and Exhibition Center. It is recommended that a broker be used to receive your freight, process through customs and deliver to the conference when needed.

A Service Contractor will be chosen by Management that provides services tailored to international exhibitors, including: full service, inclusive of freight, customs, and handling. Shipping information will be provided in the Exhibitors Service Kit that will be provided to all exhibitors in July 2020. Exhibitors are responsible for all contracts and charges for these services.

Event and Other Sponsorship Packages

Exhibitors can further enhance their visibility to conference attendees by taking advantage of a variety of sponsorship opportunities (such as trainee grants, special events, conference bags, lanyards and other promotional items). For complete details on how your organization could participate, please contact Ron Keyser, PhD, Exhibits Committee Chair, ronkeyser@ieee.org



2020 **IEEE NUCLEAR SCIENCE SYMPOSIUM** and MEDICAL IMAGING CONFERENCE

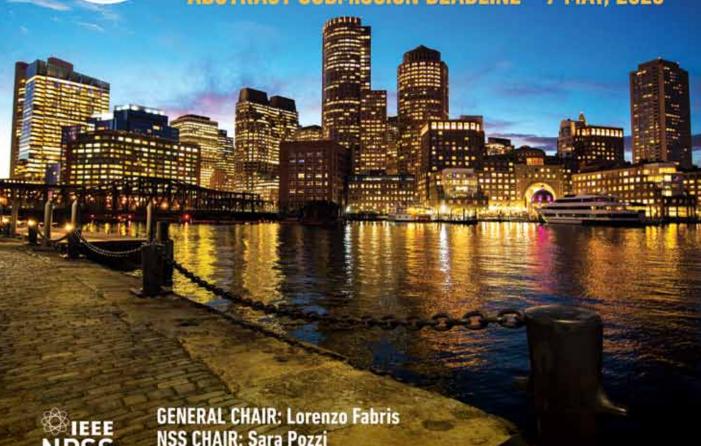
27th International Symposium on Room-Temperature Semiconductor X- and Gamma-Ray Detectors



BOSTON, MASSACHUSETTS

31 Oct -7 Nov 2020 The Westin Boston Waterfront

ABSTRACT SUBMISSION DEADLINE—7 MAY, 2020





NSS CHAIR: Sara Pozzi

NSS DEPUTY CHAIR: Stefan Ritt MIC CHAIR: Georges El Fakhri

MIC DEPUTY CHAIR: Ramsey Badawi

RTSD CO-CHAIRS: Ralph James and Michael Fiederle

nssmic2020@ieee.org

nssmic.ieee.org/2020