# 2019 EXHIBITOR PROSPECTUS

IEEE Nuclear and Plasma Sciences Society

# **INDUSTRIAL EXHIBITION**

Manchester Central Convention Complex, Manchester, UK



# Nuclear Science Symposium & Medical Imaging Conference



#### LIST OF PREVIOUS EXHIBITORS

Acrorad Co., Ltd. Adit Electron Tubes ADVACAM

Advanced Fusion Technology Co., Ltd.

AdvanSiD S R I AFO Research Inc.

Agilent Technologies Aguila Technologies Aisense d.o.o. Albemarle Lithium GmbH

Aldrich-APL, LLC Alibava Systems, S.L.

Alpha Magnetics Alpha Spectra, Inc. AMPTEK Inc. AMSC Co

Amsterdam Scientific Instruments AMT Solution Co., Ltd.

Anseen Inc. APL Engineered Materials

Baltic Scientific Instruments Battelle

Beijing High Energy New Technology Co., Ltd. Berkeley Nucleonics Berthold Technologies

BNNT, LLC BrightSpec **Burle Industries** C&A Corporation **CAEN Technologies** 

Canberra CERN (European Organization for Nuclear Research)

Chemetall GmbH Clear-Pulse CMCAMAC

Converging Research Headquarters for Frontier Medical Instruments, Sogang University

**CPS Innovations** Crytur Ltd DQE Instruments DRGEM Corporation

E T Enterprises Ltd Electron Tubes Eljen Technology Else Nuclear Epic Crystal

ET Enterprises Eurorad Fibercryst

FLIR Systems Furukawa Co., Ltd. Gamma Medica - IDEAS

**GE Energy** GE Global Research GE Power Systems Hamamatsu

Hellma Materials GmbH Hilger Crystals Hitachi Chemical Co.

Hitachi High-Technologies INFN-Napoli

Inrad Optics Integrated Detector

iseg Spezialelektronik GmbH ISEG-USA LLC

ISE-Ingegneria dei Sistemi Elettronici Isotope Products Laboratories Itech Instruments

KETEK GmbH Kinheng Crystal Material (Shanghai) Co., Ltd.

Kromek Group plc K-TEK International labZY, LLC

Luxen Technologies, Inc.

Mediso Medical Imaging Systems

Merk Performance Materials Metorex OY Micron Semiconductor MII ARS RV

Moxtek, Inc NanoFocusRay

Nara Institute of Science and North American Scientific

NuCare Medical Systems,

Orbotech Medical Solutions

ORTEC/AMETEK Oxide

PETsys Electronics SA Philips Digital Photon

Photonic Materials Ltd. Polymer Assembly Ťechnology, Inć

Powerbridge Precision Data Systems Quik-Pak

Radiabeam Systems

Radiant Detector Technologies Radiation Sensors, LLC Rayence Co., Ltd Rockwood Lithium

Saes Opto Saint-Gobain Crystals &

Samsung Electronics Co. Ltd Sangki(Hamamatsu) Satrec Initiative Science & Technology

Facilities Council Scintacor ScintiTech/AMCRYS Scionix Holland BV

SensL Technologies Ltd. SFT SGX Sensortech LTD.

Shanghai SICCAS High Technology Sichuan Tianle Photonics

Siemens Medical Solutions,

SINTEF Minalab Sparrow Corp.

Strasbourg MedTech / Eurometrope consortium Struck Innovative Systeme,

Suzhan JT Suzhou JT Crystal Technology Taiwan Ostor Corp.

Target Systemelektronik TDK Corporation TechnoAP

Teledyne Microelectronics

T-Micro Tokuyama Corporation Tungsten Heavy Powder U.S. Naval Research

Laboratory Universal Voltronics

Vertilon Corporation Vieworks Co., Ltd

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

XGLab XIA LLC

X-Ray Imaging Europe GmbH X-Ray Imatek S.L.

X-Spectrum GmbH Yasu Medical Imaging Technology

Zecotek Medical Systems ZRF RITEC SIA

# **DATES**

CONFERENCE: Saturday to Saturday, 26 October - 2 November **EXHIBITION:** Monday through Thursday, 28-31 October 2019

**TENTATIVE 2019 EXHIBITION SCHEDULE** 

**MONDAY, 28 OCTOBER** Decorator Set up - 8 AM to 12 noon Exhibitor Set up - 12 noon to 6 PM

**TUESDAY, 29 OCTOBER** 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,

SCIENCES SOCIETY

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

**WEDNESDAY, 30 OCTOBER** Exhibition Open for attendees – 9 AM to 6 PM

Refreshment breaks - Mid morning and mid afternoon

THURSDAY, 31 OCTOBER Exhibition Open for attendees - 9 AM to 4 PM

Refreshment breaks - Mid morning and mid afternoon Exhibition dismantling and removal - 4 PM -11 PM

FRIDAY, 1 NOVEMBER Exhibition removal – 7 AM to 11 AM – Clean by Noon

# 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
- High Energy Physics Detectors
- High Resolution Imaging Systems
- Homeland Security Instrumentation
- Instrumentation for Medical and Biological Research
- Intra-operative Probes and Portable **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 2019 IEEE Nuclear Science Symposium, Medical Imaging Conference and 26th Symposium on Room-Temperature Semiconductor Detectors will take place at the Manchester Central Convention Complex in Manchester, United Kingdom, from 27 October to 2 November 2019. 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 about1900, and we anticipate at least this many in Manchester in 2019. Around 75 exhibitor booths have typically been available, which usually sell out well before the conference. In 2019 we will be able to offer 84 3x3 m booths that will be co-located with the meeting's poster sessions and coffee break areas in the 5,000 m² Central Hall 1, 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 close to the Central Hall 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 2019. The number of talks will be limited, so submit your request early to avoid being left out!

During the exhibition a Technology Transfer Programme 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 2019 NSS MIC Organizing Committee and its General Chair, Paul Marsden, 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 Manchester.

Giovanni Anelli , Industrial Program Chair - Technology Transfer Chair Ron Keyser, Conference Treasurer

### RENTAL RATES

Each single booth space is £3,700 plus 20% VAT where applicable and is 3 m deep x 3 m wide. Space includes 2.5 m high walls (Aluminum frame with white infill panels) on 3 sides and a 3 m wide x 22 cm high identification sign above the front. Side walls may be removed on corner booths. Two energy-efficient track lights per 9 m² stand are included. The room is carpeted. Electric power (1 kw at 220 V 50 Hz) is provided. No furnishings are included. If

needed, they should be ordered on the service forms that will be sent in the Exhibitor Service Kit in July 2019.

Double booths are £7,400 plus 20% VAT where applicable, and are 3 m x 6 m. 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.

Note the booth rates are in British Pound Sterling (GBP) and are exclusive of VAT.

# **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 Robert Finnegan rfinnega@aip.org.



# 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 2019, on a first-come, first-served basis. Exhibitors should complete the online application and payment form at: http://www.nss-mic.org/2019. 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.

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For further general information on the exhibition please contact the Conference Treasurer: Ronald Keyser, ronkeyser@ieee.org, +1 865.607.2608

To book your space, go to the registration website shown on: http://www.nss-mic.org/2019

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.



# Manchester Central Convention Complex, Manchester, UK

October 27 - November 3, 2019



#### TYPES OF BOOTHS:

White – single 3 x 3 booths and may be reserved as one booth or combinations of booths.

**Yellow** – double 3m x 6m booths will be only available as double until 1 June 2019. 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. Following this, 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 ("Applicant") named in this application ("Application"), shall upon written acceptance by the management team ("Management") of The Institute of Electrical and Electronics Engineers, Incorporated, doing buisiness as IEEE International LLC ("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 Labor

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 (US\$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. Indemnification

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 Registration Company. 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 3 m x 3 m booth: £3,700, plus 20% VAT when applicable. Includes: Exhibit space; 2.5 m high back and side walls; a 3 m wide x 22 cm high identification sign, and Exhibition Directory listing. Double booths are £7,400, plus 20% VAT when applicable or twice the single with twice the specifications as the single booth. Three exhibit booths are three times the specifications as the single booth. Note the booth rates are in British Pounds (GBP) and are exclusive of VAT. 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/2019/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, 2019, 50% of total booth cost, less a £100 service fee, will be refunded.

After June 1, 2019, 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. Amendments

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 2019 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 2019. 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 extra utilities are included and should be ordered on the service forms that will be sent in the Exhibitor Service Kit in July 2019.

The conference website is www.nss-mic.org/2019, 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 Manchester Central Convention Complex. 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 2109. 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 the Sponsorship Co-Chairs, Brian Hutton (MIC), at b.hutton@ucl.ac.uk, or Malcolm Joyce (NSS) at m.joyce@lancaster.ac.uk.

Scientific sessions | Industrial exhibition | Special focus workshops | Short courses



26th International Symposium on Room-Temperature
X-Ray and Gamma-ray Detectors





www.nss-mic.org/2019 | nssmic2019@ieee.org Abstract Submission Deadline 8 May 2019

