

# NUSPRASEN Workshop on Nuclear Science Applications

Helsinki, 25-27 November 2019

<https://indico.gsi.de/event/9181/>

## Second Circular

The NUSPRASEN Workshop on Nuclear Science Applications in Helsinki from 25 to 27 November 2019 is organized within the NUSPRASEN work package of ENSAR2, the integrating activity for European research in Nuclear Structure, Nuclear Reactions and Applications of Nuclear Science ([www.ensarfp7.eu](http://www.ensarfp7.eu), [www.nusprasen.net](http://www.nusprasen.net)).

### Scope of the Workshop

Invited speakers will set the stage for several fields of nuclear science applications, and be followed by contributed presentations selected from the abstracts submitted before October 28.

#### Applications in Medicine

Marco Durante (GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt)

*Progress in particle therapy: have we reached the limit ?*

Ulli Koester (Institut Laue-Langevin, Grenoble)

*Radionuclides for medicine*

Pablo Cirrone (INFN, Laboratori Nazionali del Sud, Catania)

*Hadron therapy: from the conventional approach to the potential use of laser-accelerated beams*

Marco Schippers (PSI, Villigen)

*Improvements of particle therapy using nuclear science and technology*

#### Applications in Heritage Science

Luca Pezzati (CNR, Florence)

*E-RIHS. The European Research Infrastructure for Heritage Science: State of play and perspectives*

Bum Soo Han (IAEA, Vienna)

*Preservation of cultural heritage by radiation and the role of IAEA*

#### Applications in Nuclear Safety, Security and Safeguards

Kai Vetter (University of California Berkeley and Lawrence Berkeley National Laboratory)

*Visualizing radiation in 3D and in real-time for nuclear safety and security*

Isabella Maschio (European Commission - Joint Research Center, Ispra)

*Spent fuel containers: too well shielded!*

#### Collaboration with and the Needs of Industry

Shavkat Akhmadaliev (HZDR and HZDR Innovation GmbH, Dresden-Rossendorf)

*Commercial applications of research institute Tandem accelerators: the Rossendorf example*

Olli Salmi (EIT RawMaterials Baltic Sea Innovation Hub, Espoo)

*Innovation through science-industry collaboration: the EIT model*

### Abstract submission deadline: October 28

Please send 1-page abstracts in pdf format by October 28 to the Organizing Committee at [nusprasen\\_workshop@helsinki.fi](mailto:nusprasen_workshop@helsinki.fi).

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### Important Information

#### Venue

The workshop takes place at the Scandic Park Hotel (Mannerheimintie 46, Helsinki, Finland), in the meeting room View 1 on the 9th floor.

#### Cost

The participation fee will be covered by NUSPRASEN. Morning and afternoon coffee breaks as well as lunch will be provided.

#### Registration

Please note that the workshop is limited to 100 participants. A registration form is available at the Workshop website <https://indico.gsi.de/event/9181/>.

#### Accommodation

Participants have to book their accommodation themselves. Some rooms at a reduced price (single/double room: 138/158 € per night, including breakfast) have been reserved at the Workshop venue, Scandic Park Hotel, from Sunday 24 November to Wednesday 27 November. We urge participants to book soon via the hotel web site ([https://www.scandichotels.com/hotels/finland/helsinki/scandic-park-helsinki?\\_ga=2.113844800.670070869.1563782853-779212317.1540186731](https://www.scandichotels.com/hotels/finland/helsinki/scandic-park-helsinki?_ga=2.113844800.670070869.1563782853-779212317.1540186731)), using the booking code BHEL241119.

#### Travel

Travel information is given at the Workshop website <https://indico.gsi.de/event/9181/>.

### Contact

**[nusprasen\\_workshop@helsinki.fi](mailto:nusprasen_workshop@helsinki.fi)**

#### Scientific Committee:

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Zolt Fülöp (Atomki, Debrecen)  
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Ari Jokinen (Univ. Jyväskylä)  
Giulio Magrin (MedAustron, Wiener Neustadt)  
Timo Sajavaara (Univ. Jyväskylä)  
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#### Local Organizing Committee:

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