

# MNE

19th - 23th SEPTEMBER  
LEUVEN | BELGIUM  
2022

## FINAL CALL FOR PAPERS MNE-ES

Deadline for abstract submission: May 2<sup>nd</sup>, 2022

## MNE welcomes EUROSENSORS

The MNE 2022 organizers and the EUROSENSORS steering committee are happy to inform both our communities **that the EUROSENSORS 2022 conference will be integrated into the MNE 2022 conference**, leading to an **exceptional joint event tagged as MNE-ES 2022**. Due to the proximity of topics and dates for both conferences, it is making a lot of sense to join forces for 2022. A series of specific EUROSENSORS invited speakers will be contacted soon. The MNE-ES 2022 organizing committee welcomes EUROSENSORS sponsors and exhibitors and invite them to consult the current MNE-ES [sponsoring brochure](#) and seek for advertisement opportunities.



Regular EUROSENSORS participants are encouraged to submit their abstract to the MNE-ES 2022 before the **deadline set on May 2<sup>nd</sup>, 2022**. [Click here to submit your abstract](#).

## TRACK KEYNOTE SPEAKERS



**Dr. Thorsten Lill**  
Lam Research Corp., USA

*Emerging Etching and Patterning Technologies: from Concepts to Practical Applications*



**Dr. Seth B. Darling**  
Argonne National Laboratory, USA

*Sequential Infiltration Synthesis: Applications from Lithography to Clean Water*



**Prof. Buddy Ratner**  
University of Washington, USA

*Plasma Technology in the Service of Wearable and Portable Artificial Kidneys*



**Prof. Jean-Christophe Baret**  
University of Bordeaux, France

*Microfluidics for the Bottom-Up Assembly of Synthetic Cells*



**Prof. Albert van den Berg**  
University of Twente, The Netherlands



**Prof. Karl Böhringer**  
University of Washington, USA

*MEMS-Actuated Metasurface Alvarez lens*



**Dr. Harry Levinson**  
HJL Lithography, USA

*The Challenges and Limits of EUV Lithography*



# PESM WORKSHOP

**PESM**  
**2022**

The organizing committee of the **Plasma Etch and Strip for Microtechnology** workshop (PESM) remind you that the workshop will take place in Leuven (Belgium) from **September 20<sup>th</sup> to September 21<sup>st</sup>**.

This workshop will be embedded in the MNE-ES 2022. We are happy to announce that the **Best PESM Oral Presentation award** will be sponsored by **Tokyo Electron Ltd.**



The PESM workshop will feature the following speakers

- **Dr. Markus Heyne**, AMS-OSRAM (Regensburg, GER), *Challenges in III-V Materials Etching for state-of-the-art Light Emitting Diodes*
- **Dr. Ricardo Sousa**, SPINTECH (Grenoble, FR), *Nanopillar process flows for sub-10nm magnetic tunnel junctions and optical access applications*
- **Prof. Thomas Tillocher**, GREMI (Orléans, FR), *Deep reactive ion etching of bulk titanium for implantable devices*
- **Dr. Thorsten Lill**, Lam Research (Fremont, CA, USA), *Emerging etching and patterning technologies: from concepts to practical applications*

# SMND WORKSHOP



The organizing committee of the new **Superconducting Micro- and Nano-Devices** workshop (SMND) remind you that the workshop will take place in Leuven next September and will be embedded in the MNE-ES conference.

The SMND is planned to have three sessions, focusing on **Superconducting nanosensors**, **Superconductor hybrid devices** and **Superconducting devices for quantum technology**.

The SMND organizers are happy to announce that the workshop will elect the **Best SMND Oral Presentation award**. **We are still looking for a sponsor for this award – [contact us!](#)**

The SMND workshop will feature the following guest speakers:

- **Prof. Erik Bakkers** (TU Eindhoven) will speak about *Reducing disorder in hybrid semiconductor/superconductor nanowire devices*
- **Prof. Francesco Giazotto** (Scuola Normale Superiore in Pisa) will speak about *Thermal superconducting quantum Interference proximity transistor*
- **Prof. Attila Geresdi** (Chalmers University) will speak about *Andreev bound states in semiconductor nanowires: the road towards quantum technology*

For further information, check [www.mne2022.org](http://www.mne2022.org) - [info@mne2022.org](mailto:info@mne2022.org)



Interested in sponsoring the MNE Conference ?  
Please contact us: [exhibition-sponsoring@mne2022.org](mailto:exhibition-sponsoring@mne2022.org)