



42nd MICRO AND NANO ENGINEERING | 19-23 SEPTEMBER 2016 | VIENNA | AUSTRIA

MNE 2016 ANNOUNCEMENT

March 15, 2016

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FIRST CALL FOR PAPERS

SOCIAL PROGRAM OF MNE 2016

EXHIBITION AND SPONSORING AT MNE 2016

CALL FOR YOUNG INVESTIGATOR AWARD AND LECTURESHIP 2016

FIRST CALL FOR PAPERS

Abstract submission site **opens** on **April 1, 2016**

Abstract submission site **closes** on **May 6, 2016**

MNE 2016 is the 42nd international conference on micro- and nanofabrication and manufacturing using lithography and related techniques with around 800 participants. The conference brings together engineers and scientists from all over the world to discuss recent progress and future trends in the fabrication and application of micro- and nanostructures and devices. Applications in electronics, photonics, electromechanics, environment, life sciences and biology are also discussed.

The technical subject categories of the conference are (more details are [here](#)):

A. Micro- and Nanopatterning

- Photon lithography
- Mask technology
- Electron and ion beam lithography
- Soft lithography: imprint, micro-contact
- Materials for micro- and nanolithography
- Directed Self Assembly
- Tip-based / scanning probe based patterning techniques
- Stencil based patterning
- Novel techniques

C. Micro/Nano Devices and Systems

- MEMS / NEMS
- Micro and nano fluidic systems
- Metamaterials and their fabrication
- Heterogeneous integration
- System design
- Device and system modelling
- Micro/Nano devices for physical science
- Data storage
- Assembling and packaging technologies
- Reliability
- Applications

B. Micro- and Nanofabrication

- Pattern transfer
- Plasma etching
- E- and ion-beam induced deposition
- 3D nanomanufacturing
- 3D microprinting
- Inspection and process diagnostics and control
- (Nano-) metrology
- Self-aligned processes

D. Micro- and Nanotechnology/engineering for Life Sciences and Biology

- Sensing
- Lab-on-a-Chip
- Organ-on-a-Chip
- Micro/Nanofluidics for bio/life sciences
- System design and fabrication incl. modelling and simulation
- Applications

Location:

Reed Messe Wien – Exhibition & Congress Center in Vienna, Austria

Dates:

September 19 – 23, 2016

Website:

mne2016.org

Abstract submission deadline:

May 6, 2016 midnight (Austrian time)

Program:

The program will consist of invited and contributed papers falling broadly within the scope of the categories listed above. In this week, around 150 oral and 400 poster contributions will be discussed. There will also be Short Courses on Monday and special sessions during the week.

Awards at MNE 2016:

- 4 Poster Awards (sponsored by Raith)
- MNE Fellow Award (sponsored by Technopol ECOplus)
- Young Investigator Award (sponsored by Elsevier)
- Micro-/Nano-Graph contest

Publication:

As in previous years, all presenters will be kindly asked to publish their contribution in the four special issues to appear after peer-reviewing in the [Journal of Microelectronic Engineering](#). The manuscript submission site will be available prior to the conference and will be announced in due time.

Visa notice:

If you plan to submit an abstract and/or attend the MNE 2016 conference, please make an appointment **now** to apply for your visa if it takes a longer time for your country ([Visa regulations](#)).

SOCIAL PROGRAM / COMPANION ACTIVITIES**The Welcome Reception on Monday**

On Monday evening, September 19 from 5 to 7 pm, we cordially invited you to the Welcome Reception at the conference venue. You may register to the conference and then have a free welcome drink/snack together with your colleagues or visit the exhibition for a first time. (sponsored by EVG)

MNE Networking “Heurigen” Evening on Wednesday (conference dinner)

The conference dinner will take place at the “Heurigen” Fuhrgassl-Huber.: <http://www.fuhrgassl-huber.at/>



Spend a nice evening with your colleagues at a traditional Viennese “Heurigen” wine tavern, tasting wine produced from the surrounding vineyards. In the picturesque village of “Neustift im Walde”, a district in the city of Vienna, experience a very typical Austrian summer evening tradition: Enjoying a glass of local wine together with rustic food in an authentic “Heurigen” atmosphere while being surrounded by vineyards. (sponsored by SPTS)



Young people party time on Thursday evening

All participants are invited to the MNE party which will take place at the [Praterdome](#), Riesenradplatz 7, 1020 Vienna, from 09:30 pm.

Two levels with four dance floors and twelve theme bars in total offer something for everyone. The music also caters to every preference: from house, technotrance, R'n'B and soul to songs of the 70's, 90's as well as salsa and latino. A special highlight at Praterdome is the sensational midnight opening: Accompanied by a spectacular laser show, the moveable walls turn the two main dance floors into a huge dancing palace.

Show your name badge and you will receive free entrance and a glass of prosecco until midnight.

Sightseeing opportunities

The city centre is a small universe in itself: discover historical palaces face to face with modern facades, elegant boutiques next to popular fashion stores, and antique shops lining up across from stylish designer hotspots. The MNE reception offers you and your companion opportunities of sightseeing in Vienna and provide useful hints of unique possibilities.

Some of the historic and architectural highlights are:

- [Stephansdom](#) (National Cathedral)
- [Schönbrunn Palace, Gardens & Zoo](#)
- [Kunsthistorisches Museum](#) (Art History)

... more information at, e.g.:

- <http://www.tourmycountry.com/austria/vienna.htm>
- <https://www.wien.info/en>

EXHIBITION / SPONSORING

Exhibitors or sponsors have the opportunity to present their company and products to students and professionals in research and industry from all over the world and increase visibility and recognition in this community. We therefore like to remind you that the opportunities for exhibition and sponsoring are now available on our webpage (www.mne2016.org) together with detailed information such as a Exhibition & Sponsoring Brochure. First packages are already sold. An actual floor plan gives an overview of availability of booths. Some attractive sponsoring options (conference app, beer & pretzels during poster sessions, ..) are still open.

Please feel free to contact the coordinator Mr. Wilfried Hortschitz for any additional information or questions on exhibition/sponsoring: exhibition@mne2016.org

CALL FOR APPLICATIONS: YOUNG INVESTIGATOR AWARD AND LECTURESHIP 2016

Honoring and promoting a young researcher active in the fields of Nanofabrication and Nanotechnology for electronics, MEMS and life sciences.

Microelectronic Engineering (MEE) is proud to continue the series of Young Investigator Awards and MEE Lectureships for a third year. The Lectureship will be presented at the MNE 2016 conference in Austria. The Lectureship award will include \$1000, plus travel costs to present the award lecture at the September 2016 MNE meeting, while MNE conference will cover registration and contribute towards accommodation costs. (sponsored by Elsevier)



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Requirements for Candidates

Application is open to early-career researchers of any nationality from universities, research centers, and

industry. The applicant must have earned his or her PhD degree after January 1, 2008. The applicant must have published paper(s) as a main or first author in MEE. Candidates should apply themselves and **MUST** include the name and contact details of one main nominator, plus the name and contact details of 2 more people who can provide recommendation letters.

Deadline for applications: April 17, 2016

For applications and instructions, please visit the [Elsevier Journals website](#).

We look forward to seeing you in Vienna.

Hubert Brückl
Bernhard Jakoby
Thomas Schrefl
(MNE 2016 conference chairs)

Important Dates

Conference: **19-23 September 2016**

Abstract deadline: **6 May 2016**

Notification to authors: **15 July 2016**

Early registration closes: **12 August 2016**

Gold Sponsors



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