GENERAL INFORMATION

MNE Conference Website
www.mne2019.org

Please contact:

Scientific Matters
mne@mne2019.org

Sponsorship
sponsors@mne2019.org

Registration / Accommodation
info@mne2019.org

Significant Dates

Conference	September 23rd-26th, 2019
Abstract Deadline	April 24th, 2019
Acceptance Notification	June 9th, 2019
Early Bird Registration	Up to July 26th, 2019

We are planning for

- **Joined Workshops – Courses**
  Monday September **23rd and / or Friday 27th, 2019**
- **B2B meetings**
  for business collaborations and start-up opportunities
- **Young Investigator Award** and **MNE Fellow Award**

Social Events

- Welcome Reception
- Excursion to the surroundings of Rhodes
- Special Program for accompanying persons

LOCATION

The island of Rhodes

The island of Rhodes (Rodos in Greek), one of the most popular destinations in Greece, is situated in the southeast of the Aegean Sea. It is the largest island in the Dodecanese Complex and the fourth biggest in Greece. It has a long & multi-cultural history, a rich natural environment, beautiful beaches and modern tourist facilities.

Conference Venue - Accommodation

Rodos Palace Hotel is a wonderful hotel that inspires and awakens the senses. **Taste** the authentic flavors of eternal Greek summer, with the gentle Mediterranean sun and the sea breeze that soothes your mind and soul. **Smell** the idyllic aromas of nature, carried away by the overwhelming colors. **Hear** the waves reaching the shore, as you walk barefoot on the beach.

Rodos Palace International Conference Center is the epitome of conference connoisseurs, with an impressive international reputation in holding all kinds of conferences and events.

Transportation

Rhodes is only a 40min flight from Athens International Airport. Rhodes International Airport, "Diagoras", is located, 15 km away (20min by taxi from the town center and the convention center. Public transportation is very well organized with frequent bus service. There are regular international flights as well as charter flights from most major cities worldwide.

Weather

Rhodes in September is still very pleasant and warm, although the temperatures are starting to cool down a bit. The average daily temperature is 25°C. September enjoys an average of 11 hours of sunshine per day.

Passports - Visas

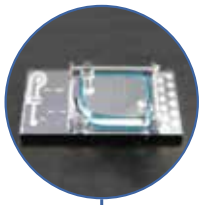
You will need valid, up-to-date passport and a Schengen visa, depending on your nationality. Regarding Schengen visa requirements, please visit the website of the Hellenic Ministry of Foreign Affairs at the following link: **https://www.mfa.gr/en/visas/visas-for-foreignerstraveling-to-greece/countries-requiring-or-notrequiring-visa.html** in order to find out whether you need a Schengen visa to visit Greece.

Secretariat

Global Events makes the difference!
Conference & Event Management

Athens: 2 Valestra str. & 168 A. Syngrou Av., 17671 Kallithea, Athens, Greece | T: (+30) 210 3250260 - (+30) 211 1825814 E: athens@globalevents.gr

Thessaloniki: Stadiou 50 A, Pylaia,55534 Thessaloniki, Greece T: (+30) 2310 247743 - (+30) 2310 247745 F: (+30) 2310247746 | E: info@globalevents.gr



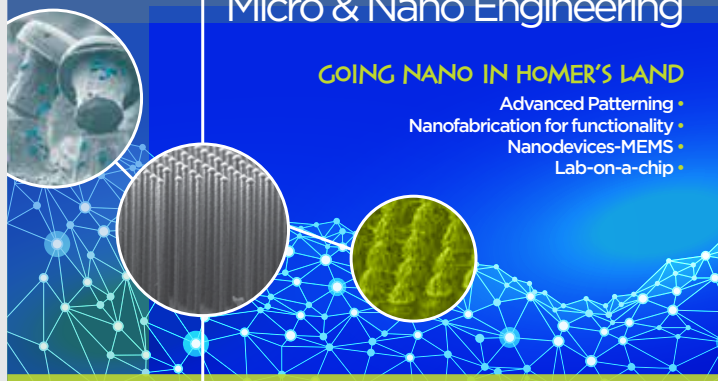
www.mne2019.org

MNE 2019

45th International Conference on
Micro & Nano Engineering

GOING NANO IN HOMER'S LAND

- Advanced Patterning
- Nanofabrication for functionality
- Nanodevices-MEMS
- Lab-on-a-chip



23-26 September **2019**

RODOS PALACE HOTEL

Rhodes
Greece

ANNOUNCEMENT

MNE INTERNATIONAL STEERING COMMITTEE

Anja Boisen, *Technical University of Denmark*	DK
Hubert Brueckl, *Danube University Krems*	AU
Jean-Francois de Marneffe, *IMEC*	BE
Michel Despont, *CSEM*	CH
Zahid Durrani, *Imperial College*	UK
Massimo De Vittorio, *University of Salento / IIT*	IT
Evangelos Gogolides, *NCSR Demokritos*	GR
Gabi Grützner, *Microresist Technology GmbH*	DE
Yoshihiko Hirai, *Osaka University*	JP
Alexander Liddle, *NIST*	USA
Francesc Pérez-Murano, *CNM-IMB Barcelona*	ES
Urs Staufer *(Chair), Delft University of Technology*	NL
Christophe Vieu, *LAAS-CNRS Toulouse*	FR

MNE INTERNATIONAL PROGRAM COMMITTEE

All submitted abstracts will be evaluated by the MNE 2019 International Program Committee (http://mne2019.org)

MNE 2019 ORGANISING COMMITTEE

Evangelos Gogolides	Conference Chair
Angeliki Tserepi	Program Chair

Conference Co-Chairs per topic:

1. **Lithography / Etching**
   Panagiotis Argitis, Vassilios Constantoudis, Nikos Kehagias, George Kokkoris
2. **Nanofabrication**
   Eleni Makarona, Nikos Papanikolaou, Vasilis Vamvakas, Kosmas Ellinas
3. **Nanodevices / MEMS**
   Panagiotis Dimitrakis, Nikos Glezos, Pascal Normand, Christos Tsamis, Dimitris Tsoukalas
4. **Life Sciences Devices**
   Panagiota Petrou, Kostas Misiakos, Katerina Tsougeni
5. **Exhibition Chairs**
   Ioannis Raptis, Kosmas Ellinas
6. **Educational Events**
   Konstantinos Giannakopoulos
7. **Workshops**
   Nikos Vourdas

MNE 2019 ADVISORY COMMITTEE

The MNE 2019 organizing committee is assisted by an advisory committee of experts (http://mne2019.org)

BACKGROUND INFORMATION FOR MNE

Micro and Nano Engineering (MNE) is a large international conference focusing on: A) **micro/nanofabrication** and **manufacturing techniques**, and B) **application of the fabricated micro/nanostructures, devices and microsystems** into electronics, photonics, environment, chemistry and life sciences.

MNE 2019 will be the 45th conference in a series that started in Cambridge in 1975, and was held most recently in Vienna (2016), Braga (2017) and Copenhagen (2018). In 2019, MNE will return to Greece after 11 years. It is expected to attract more than 750 participants.

The **3-day conference** format includes **4 parallel sessions**, plenary talks, invited presentations, oral and poster presentations (evaluated by the International Program Committee), and a commercial exhibition. **MNE poster papers have equal weight to oral presentations.**

The MNE Committees encourage authors to submit papers (regular, accelerated publications, reviews or news and opinions) **to 4 open thematically focused issues** of Microelectronic Engineering (MEE by Elsevier) related to the conference topics. MEE also sponsors the annual Young Investigator Award, which will be presented at the conference.

MNE has two related conferences (EIPBN) in the USA, and (MNC) in Japan. It is a tradition that the author of the "Best Paper" of at least one of these related conferences is giving an invited talk at MNE.

CONFERENCE STRUCTURE

Welcome Reception
Monday September **23rd**, 2019 in the evening

Technical Program
starts on **Tuesday** September **24th**, 2019 ends late evening on **Thursday** September **26th**, 2019

Workshops and Courses
September **23rd** and / or **27th**, 2019

Micrograph Contest, B2B meetings
throughout the conference

Technical Exhibition
September 23rd-26th, where exhibitors can display tools, materials, devices and software to the community

SCOPE OF THE MNE CONFERENCE

1. Advanced Patterning (Lithography & Etching)
This topic is mainly addressing the semiconductor research and industry, and secondly other research and manufacturing sectors, where lithography and pattern transfer are important. Contributions should be focused on the lithographic material, lithographic process, metrology as well as on advanced etching and patterning.

EUV, Optical Lithography, Electron and Ion Beam Lithography, Nanoimprint Lithography including R2R Nanoimprint, Soft Lithography, Mask- or Template-based Fabrication, Mask-Less Lithography, Scanning Probe Techniques, Materials for Micro- and Nano-Lithography, Directed Self-assembly, Novel Nanolithography and Nanopatterning Methods, Advanced Plasma Etching, Plasma Ashing, Nanometrology Inspection and Process Control, Lithography-Etching Simulations.
Contributions should be mainly concentrated on a single process/method.

2. Nanofabrication/Manufacturing for Functional Structures/Surfaces
This topic aims at presenting novel approaches or improvements in fabrication of nanostructures, surfaces or nanomaterials in 0D, 1D, 2D, or 3D including biomimetic architectures, as well as demonstrating (multi)functionality and other properties of the developed nanostructures or surfaces. Topics here include, but are not limited to:

Nanofabrication (other than nanopatterning), Micro- and- Nanomanufacturing, Plasma Surface Engineering, 3D Nanomanufacturing, 3D Microprinting and Rapid Prototyping, "Smart" (multi)Functional Surfaces with Wetting, Optical and/or Biological Functionality, 2D Materials, Metamaterials, Nanometrology of Structures and Surfaces.

3. Micro-Nano Devices and Systems (MEMS/NEMS)
for physical applications, electronics, photonics and energy.
This topic encompasses the use of micro/nano fabrication methods for building up new solutions for application areas in Physical disciplines such as Nanoelectronics, Photonics, Plasmonics, Physical Sensing and Energy Harvesting. The solutions can be in the form of devices or complete systems. Contributions should not only describe the fabrication procedure, but should also include demonstration of the application and integration steps. This topic includes, but is not limited to:

Nanoelectronic Devices, Photonic and Plasmonic Devices, Nanomagnetism, Data Storage, Physical Sensors, Energy Harvesting Devices, Paper Electronics, Flexible Electronics, Micro & Nano Systems (MEMS, NEMS), Integration of Functionalities, Packaging.

4. Micro & Nano Devices and Systems for Life Sciences, Chemistry, and Agrofood Sectors
Contributions to this topic should address biological, bioanalytical, analytical, food and agrofood monitoring and safety problems and show how micro/nano engineering can provide the appropriate solution, starting from microfluidics, scaffolds, biosensors, all the way to BioMEMS, Lab-on-a-chip and Health Monitoring. Targeted areas can be:

Micro & Nano fluidics, Chemical Sensors, BioSensors, Lab-on-a-chip, Cell-on-a-chip, Organ-on-a-chip, Bio-micro-nano-systems Bio(MEMS), microTAS, Applications in health, environmental monitoring, food safety, agrofood.