



EMN Meeting on Quantum
Energy Materials and Nanotechnology
June 18 to 22, 2017 Vienna, Austria

Dear colleagues,

It is our great pleasure to announce the 2017 **Energy, Materials, and Nanotechnology (EMN)** Meeting, which will take place in Vienna, Austria from June 18 to 22, 2017. The EMN meeting began in 2008 as a small workshop held at a traditional villa in Orlando, Florida. Since then it has grown steady and become a global event on the general theme of Energy, Material and Nanotechnology. The EMN Meetings now include: EMN Fall (Orlando), EMN Spring (Las Vegas), EMN Summer (Cancun), EMN East (Beijing), EMN Open (Chengdu), EMN Phuket, EMN Istanbul and EMN Spain.

We invite all members of the international scientific community interested in new developments in Quantum to attend and to submit their latest findings to EMN Meeting on Quantum 2017. The conference will provide a range of **oral** and **poster presentations** and **invited talks**.

Selected (after peer-review) papers from the conference will be published in various ISI and Scopus indexed journals (**Nanoscale Research Letters (Springer)**, **Journal of Semiconductors (IOP)** and **OAHOST** which is a peer-reviewed, open access journal publishing quality research papers across all disciplines, which means that all published articles are made freely available online without a subscription, and authors retain the copyright of their work. For EMN articles published the author publication fee will be waived, the EMN will pay to make the article open access as long as the manuscript can go through the peer-review organized by EMN publication committee. OAHOST is open to both original research articles as well as review articles). Only one paper per registered participant will be published.

We cordially invite you to attend the conference, actively participate in its technical sessions, and contribute to the continued success of this conference series. Up-to-date information on all aspects of the conference will appear soon on the conference webpage: <http://emnmeeting.org/Europe/quantum/>.

The site of this conference is **Vienna**, the capital of Austria. Apart from the cradle of the European classical music, a city of art, architectures and cultures, the famous Danube River which flows through Vienna, the “Blue Danube” waltz, Vienna has also been the backdrop of some major milestones in the new science of quantum cryptography as well since 2008. All of them are deserved for your observations and recreational pursuits!

The conference will cover the following topics for now (conference’s topics):

❖ **Applications of Plasmonics and Metamaterials**





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- ✧ Colloidal Nanoparticles and Clusters
- ✧ Dynamics of Open Quantum Systems
- ✧ Electronic Structure and Dynamics
- ✧ Quantum Computation and Quantum Simulation
- ✧ Many Body Quantum Theory
- ✧ Plasmonic Nanostructures
- ✧ Quantum Computation with Nanostructures and Dopants
- ✧ Quantum Engineering and Quantum Metrology
- ✧ Quantum Information Processing
- ✧ Quantum Models and Phase Transitions
- ✧ Quantum Secure Direct Communication
- ✧ Simulations of Quantum Effects in Materials
- ✧ Theoretical Aspects of Quantum
- ✧ Topological Codes and Quantum Computation
- ✧ Quantum General

The conference will be held in the [ARCOTEL Wimberger Vienna Hotel](#), located in the 7th district, the heart of a young, very lively area of Vienna, also in the immediate vicinity of the Stadthalle and Mariahilfer Straße. The ARCOTEL Wimberger is also located close to the vibrant culture and art district.

We invite you all to take part in this exciting and enjoyable Conference, where experts from all over the world will be able share their latest research.

Abstract submission already opened (<http://emnmeeting.org/Europe/quantum/important-dates/>). Please, follow the same link for further information about the event and preliminary registration. Please spread this information among your colleagues and friends.

If you require any other information (conference venue, accommodation, onsite registration), do not hesitate to contact the Conference Secretariat at the following e-mail address "emnquantum2017@outlook.com" or visit the meeting website <http://emnmeeting.org/Europe/quantum/> (abstract submission, proceedings publication, and preliminary registration).





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We are looking forward to meeting you in Vienna!

Kindest regards,

EMN Europe Committees:

Zlatan Aksamija, University of Massachusetts Amherst, USA

Supriyo Bandyopadhyay, Virginia Commonwealth University, USA

Ivan Bozovic, Brookhaven National Laboratory, USA

Po-Wen Chiu, National Tsing Hua University, Taiwan

Hans J. Fecht, University of Ulm, Germany

Jeff Th.M. De Hosson, University of Groningen, Netherlands

Vahid Jabbari, Department of Chemistry, Southern Methodist University (SMU), USA

José M. Kenny, University of Perugia, Italy

Lorenzo Pavesi, University of Trento, Italy

Fabio Pezzoli, LNESS and Università' di Milano-Bicocca, Italy

Vladimir Privman, Clarkson University, USA

Luca Razzari, INRS University, Canada

Bin Tang, China Academy of Engineering Physics, China

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