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## Foreword

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Following the spirit initiated by the first four editions of the "Conferencia Española de Nanofotónica", held respectively in Tarragona in 2008, Segovia in 2010, Carmona-Sevilla 2012 and Santander 2014, we launch the 5th edition that will be conducted in Valencia (Spain) during June 20-22, 2016. The Conference aims to gather all the groups carrying out research in Nanophotonics in Spain (as well as somewhere else with interest in the research in Nanophotonics performed here). It intends to spread the research results achieved by all the different Spanish groups and to promote the establishment or reinforcement of contacts between them, as a mean to help the community to become more visible and dynamic.

The Conference technical program aspires to address a wide area of research related to nanophotonics, metamaterials and subwavelength optics. Topics will include all aspects of the research, ranging from fundamental science to nanofabrication or applications.

The Conference will be organized in thematic sessions composed of Keynotes / invited talks and contributed scientific communications (oral and poster).

The meeting will be structured in the following thematic lines, but interactions among them will be promoted:

1. Magnetoplasmonics and Optomechanical systems
2. Novel synthetic routes: materials aspects of photonic nanostructures
3. Colloidal nanophotonics and nanoplasmonics
4. Photonic nanostructures for energy efficient optoelectronic devices
5. Graphene and silicon photonics
6. New concepts and metamaterials
7. Near Field Optics: nanospectroscopy and nanoimaging
8. Nanophotonics for sensing

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We would also like to thank the following companies for their participation: LOT Quantum Design, Nanoscribe and VLC Photonics.

Finally, thanks must be directed to the staff of all organising institutions whose hard work has helped the smooth organisation and planning of this conference.

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## Sponsor



## Exhibitors



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**Nanoscribe** provides maskless lithography and additive manufacturing on the nano- and micrometer scale in one device. The underlying technique of these outstanding 3D printers, Photonic Professional GT, is based on direct laser writing into photoresists: Empowered by their unprecedented 3D nano-/micro-fabrication capabilities, the two-photon polymerization driven systems set new standards in a multitude of applications, e.g. photonics, micro-optics, and metamaterials. Furthermore, Nanoscribe, market and technology leader in the field of 3D laser lithography, serves solutions as well as processes for specific applications to its scientific and industrial customers.



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**LOT-QuantumDesign** group is a leading European distributor of high-quality scientific instruments and components supplying academic and industrial scientific research customers. The group offers components and systems used in material sciences, imaging, spectroscopy, photonics, nanotechnology and life science research. The group was founded almost 45 years ago and now employs more than highly-qualified 140 staff across Europe. The headquarters are in Darmstadt, Germany, further offices are located in Paris, London, Rome und Lausanne. Together with the parent company Quantum Design International Inc. and sister companies in North America, Asia and South America LOT-QuantumDesign offers the only global distribution network for high-tech instruments.



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**VLC Photonics** is a company providing all kind of services related to photonic integration: from initial engineering studies, to optical chip design support, outsourced chip fabrication and packaging, and in-house testing. VLC has worked for more than 12 years in this field, with an extensive network of +20 foundry partners for the main technology platforms (silicon photonics, silica/PLC, silicon nitride or InP/GaAs), and can support any optical integration project with its stand alone services or turn-key solutions.

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# Contributions

# Contributions

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 I: Invited Lecture  
 O: Oral Presentation  
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