

# Special Issue

## Sub-wavelength Optics

### Message from the Guest Editor

Following the growing developments of nanotechnology, nano-structure manufacturing processes have multiplied and led to the miniaturization of high-performance optical components. These components are not limited to usual functions, such as bulk devices, but claim exotic behaviors never highlighted in conventional optics. In this context, sub-wavelength optics has become a key element in the understanding and design of such components. This Special Issue on “Sub-Wavelength Optics” provides an overview of recent advances in this field through invited papers covering all areas ranging from fundamental theoretical principles to applications in different domains.

- Near-field optics (theory and modeling)
- Light-matter interaction (linear and non-linear)
- Plasmonics
- Metasurfaces
- Photonic crystals
- Nano-device coupling
- Nano-sensors
- TeraHertz and microwave nanophotonics
- Nano-spectroscopy (SERS, fluorescence, etc.)
- Optical forces (Nano-tweezers)
- Quantum optics

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### Guest Editor

Prof. Fadi Baida

Département d'Optique P.M. Duffieux, Université Bourgogne Franche-Comté, Besançon, France

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### Deadline for manuscript submissions

closed (28 February 2019)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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