

## Call for Contributions for

### Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICQNM+2019+Special>

Please select Track Preference as **EDPnano**

Special track

## EDPnano: Emerging Applications of Dielectric and Plasmonic Nanostructures

### Chairs and Coordinators

Dr. Giovanna Calò, Polytechnic of Bari, Italy  
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along with

ICQNM 2019, The Thirteenth International Conference on Quantum, Nano/Bio, and Micro Technologies

<http://www.iaria.org/conferences2019/ICQNM19.html>

October 27, 2019 to October 31, 2019 - Nice, France

In recent years, dielectric and plasmonic nanostructures have been widely investigated showing their potential in a large number of applications ranging from telecommunication to sensing. Dielectric structures, based on high index-contrast materials, have enabled the implementation of miniaturized resonant or non-resonant components, which are basic building blocks not only for signal processing and routing, but also for sensing platforms.

Plasmonic components are able to enhance light confinement and to maximize light-matter interactions at the nanoscale. Their integration with other materials and structures such as semiconductors and quantum dots is opening up new fields of application thanks to the transfer of light energy to the surrounding environment.

The Special Track aims at highlighting the most recent developments of research on dielectric and plasmonic nanostructures and at promoting cross-fertilization between different research fields. The topics cover a wide range of research areas, either from the experimental or theoretical points of view, including numerical modelling, nanofabrication, and characterization.

### Topics include, but not limited to:

- ✓ Silicon photonics
- ✓ Photonic crystal devices
- ✓ Integrated and wireless optical networks
- ✓ Dielectric and plasmonic components for interconnections
- ✓ Photonic and plasmonic sensors
- ✓ Optical tweezing
- ✓ Novel optical fibers and fiber-based device
- ✓ Biophotonics
- ✓ Fabrication and characterization of plasmonic and dielectric nanostructures

### Important Datelines

Inform the Chair: As soon as you decide to contribute

Submission: August 31  
Notification: September 20  
Registration: September 30  
Camera-ready: September 30

### **Contribution Types**

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

### **Paper Format**

- See: <http://www.iaia.org/format.html> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

### **Paper Submission**

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ICQNM+2019+Special>

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### **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaia.org/registration.html>

### **Contacts**

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