

Call for Contributions

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

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=eTELEMED+2018+Special>

Please select Track Preference as **OPBA**

Special track

OPBA: Optical Platforms for Biomedical Applications

Chair and Coordinator:

Dr. Giuseppe Quero, Optoelectronics Group, Engineering Department, University of Sannio, Benevento, 82100,
Italy

giuseppe.quero@unisannio.it

along with

eTELEMED 2018, The Tenth International Conference on eHealth, Telemedicine, and Social Medicine

<http://www.iaria.org/conferences2018/eTELEMED18.html>

The Lab-On-Fiber technology have allowed optical fibers to become much more than a “simple” transmission channel on which to pass low-attenuation and high-speed information. The combination between nanotechnologies and optical fibers, which are the base of Lab-On-Fiber technology, has made the fiber a multifunctional probe capable of fulfilling various tasks, with a particular vocation for biomedical field applications.

The optical fiber, in fact, thanks to the integration of suitable biomaterials defined on micro and nano metric scale, can be engineered to become a biosensor, a high-resolution molecular recognition tool, or a probe that can release drugs in a controlled manner with light pulses. By exploiting the intrinsic fiber properties in terms of dimensions (diameter of hundreds of microns) flexibility, lightness, biocompatibility, the fiber can be integrated within needles for medical purposes and is able to operate directly in vivo, inside the human body.

We invite researchers to submit original studies discussing methods or new communication device development in optical fiber biosensor field.

Topics include, but not limited to:

- Optical fiber bio-sensors
- Biomedical applications
- Optical fiber bio-functionalization
- Bio-molecules detection

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.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute

- Submission: December 7, 2017
- Notification: January 12, 2018
- Registration: January 26, 2018
- Camera ready: February 5, 2018

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

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=eTELEMED+2018+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>

Contact

Chair: Giuseppe Quero giuseppe.quero@unisannio.it

Logistics: steve@iaia.org