Call for Papers
IEEE Instrumentation and Measurement Society
IEEE Instrumentation and Measurement Magazine
Special issue on ‘Instrumentation and Measurement in the Nanoscale’

The main aim of this special issue is to offer a forum that facilitates scientific and professional exchange of knowledge related to measurement in the world of nanotechnologies, and its impact on instrumentation design and daily use. Nanotechnology key constraint is the quantum approach that changes the design and realization of devices hence instrumentation and measurement.

The main scope of this special issue covers aspects ranging from fundamental research to all kinds of advanced technologies in the area of nanotechnology with a special stress on metrics related to the goals of this journal. New trends are welcome whether they illustrate new applications in this area.

Prospective authors are invited to submit tutorial-style papers on topics related to Instrumentation and Measurement for nanoscale including, but not limited to the following:

**Topic List**
- Nanodevices
- Design and fabrication
- Measurement in nanoscale
- Instrumentation
- Testing
- Nano-metrology
- Signal processing
- Image processing
- Applications

Papers should present to the wide audience a general overview of one scientific subject of your interest really framed in the Instrumentation and Measurement field.

Contributions dealing with Open Problems in IM are very welcome, also presenting challenging and ambitious solutions, which could be habilitated by current and advanced technology.

While drafting your paper to be submitted to IMM, you are strongly invited to take care that:

- The paper is properly framed in the field of Instrumentation and Measurement. This could be achieved by properly structuring the Review of the State of the Art and motivations of your work.
- In line with mission of the IEEE I&M Magazine, the paper aims to provide an overview of the topic addressed to the general I&M audience.
- The paper format is compliant with the IMM’s author guidelines: http://ieeims.org/publications/im-magazine
- In general, each paper should contain 3500-5000 words, and present 4-6 figures.
When your paper is ready, please submit it completely through the PeerTrack submission system.

With your submission, please include a *cover letter* where you specify that this paper has been submitted for this special issue.

Prospective authors are invited to submit an 8-page (maximum, references included) paper proposal written in English (title, list of authors, abstract with a brief summary, text, references) according to the timetable below.

**Schedule:**

Full-length paper submission: March 1st, 2020

**Guest Editors:**

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