



**India-Japan Workshop on
Biomolecular Electronics and
Organic Nanotechnology for
Environment Preservation-2018
(IJWBME-2018)**

6-9th December, 2018



Jointly Organized by

*CSIR-National Physical Laboratory
Dr.K.S.Krishnan Marg, New Delhi-110012, INDIA
www.nplindia.org*

and

*Nagoya University
Furocho, Nagoya, Aichi Prefecture 464-8601, Japan
www.en.nagoya-u.ac.jp*

ABOUT THE WORKSHOP

Biomolecular electronics and nanotechnology have technological implications in multidisciplinary areas including Physics, Chemistry, Biology, Environmental science, Computer programming, Bioinformatics and Electronics to produce devices for health care, diagnostics, and environmental monitoring. These multi-disciplinary potential fields that bridge the gap between microelectronics and the synthetic biology-inspired are rapidly and continuously evolving. Biomaterials such as proteins, pigments and antibodies and nucleic acids etc. have been considered as alternatives for carrying out the functions that are presently being performed by semiconductor silicon. The unifying feature of this area is the use of molecular building blocks for fabrication of desired bio-electronic components.

The Indian National Metrological Institute, CSIR-National Physical Laboratory has set up Biomedical Calibration facilities and serving the nation to ensure the Biomedical equipments international standards and safety norms.

Many materials such as nano-materials, sol gels, conducting polymers, self assembled monolayers and Langmuir-Blodgett films are being utilized for development of much-needed biomolecular electronic devices. However, much remains to be done prior to the commercialization of these important bioelectronic devices.

Many countries in the world including India and Japan, are embarking on ambitious programmes in this area to address to the need for tomorrow's technology. Keeping this in view, Division of Environmental Science and Biomedical Metrology, CSIR-NPL, New Delhi, India and the Nagoya University, Japan are organizing the India-Japan Workshop on Biomolecular Electronics and Organic nanotechnology for Environment Preservation (IJWBME-2018) at the NPL, New-Delhi, India during 6-9th December 2018.

**Important
themes**

- **Biomedical Metrology**
- **Bio/molecular Electronics**
- **Biosensor/Biodevices**
- **Nanostructures and Nanocomposites Interface**
- **Organic devices**
- **Fabrication Techniques and Characterization**
- **Molecular Recognition**
- **Self-assembled Films**
- **Biofuel cells**
- **Analytical Techniques**
- **Microactuators**
- **Flexible electronics**
- **Multi Organ-on-Chip**
- **Environment Monitoring**

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Participants From India

Industry Participants: Rs. 6000+GST
Academia/Researcher: Rs.5000+GST

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Academia/Researcher: : US \$300 +GST
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Interested participants can send the scanned copy of complete registration form along with the payment details to the address given below.

Contact/Address to send Registration form

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Important Deadlines

Last date for submission of abstract and registration fee **15 November 2018**
Last date of submission of complete paper: **15 November 2018**



名古屋大学
NAGOYA UNIVERSITY



India-Japan Workshop on Biomolecular Electronics and Organic Nanotechnology for Environment Preservation-2018 (IJWBME-2018)

6-9th December, 2018

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