

# 2019 International Forum on Functional Materials (IFFM 2019)

9th International Symposium for Plasma Biosciences (ISPB2019-9)

6th International Symposium on Chemical & Biological Detection (ISCBD-6)

5th International Symposium on Medical Diagnosis using Bionano Sensor

2nd International Symposium on Energy Conversion & Storage Materials (ISECSM-2)

June 23-26, 2019

St. JOHN'S Hotel (4F), Gangneung City, Korea

<http://iffm2019.org>

## Organized by:

- Nanosensor Institute, Hanyang University
- Chemical and Biological Detection Research Center at Sungkyunkwan University (SKKU)
- Plasma Bioscience Research Center (PBRC-SRC) at Kwangwoon University
- Research Institute for Green Energy Conversion Technology at Gyeongsang National University
- **Korean Vacuum Society**
- **Korean Biochip Society**
- **Korean Battery Society**

**Conference Chair:** Prof. Jaebum Choo (Chung-Ang University, Korea)

**Conference Co-Chairs:** Prof. Jin-Hyo Boo (Sungkyunkwan University, Korea)

Prof. Eun Ha Choi (Kwangwoon University, Korea)

Prof. Tae-hyun Nam (Gyeongsang National University, Korea)

**Secretary General:** Prof. Sang Uck Lee (Hanyang University, Korea)

## Language

The official language of the conference is English.

## Important Dates

March 31, 2019	Abstract submission deadline
April 30, 2019	Notification of Acceptance of Abstract
May 15, 2019	Early Registration Deadline
May 31, 2019	Accommodation Reservation Deadline
June 10, 2019	Final Program Announcement
July 31, 2019	Paper Submission Deadline

# IFFM 2019 Topics

## 1. Functional Materials

- Photovoltaic materials
- Energy storage materials
- Electronic & semiconductor materials
- Opto-electronic & thermoelectric materials
- Ferroelectric/multiferroic, ferromagnetic & magneto-optical materials
- Organic and carbon-based nano-materials (Graphene, CNTs, DLC, etc.)
- Shape memory materials
- Others

## 2. Functional Thin Films and Coatings for Applications of

- Electronics & displays
- Solar cells
- Fuel cells
- Battery & Supercapacitors
- Semiconductor & electronic devices
- Organic & inorganic materials devices
- Sensors (chemical or optical) and actuators
- Others

## 3. Science & Technology of Functional Materials

- Computational science of functional materials (Design and Modeling)
- Processing technologies of nanostructures, and nano-tubes and rods
- Thin film science and technology
- Advanced powder & laser processings
- Application of functional materials in micro- and nano-technologies
- Properties and characterization of films and modified surfaces

## 4. Plasma Biosciences and Medicines

- Plasma Biosciences and Medicine
- Plasma Biomaterials and Films
- Non-thermal Bioplasma Sources and Diagnostics
- Plasma Bio-Nano Materials and Scaffolds
- Plasma Agriculture and Foods
- Plasma Polymerization for Biosensors, etc.

## 5. Bio- & Nano-functional Materials

- Biosensor, Medical/Environmental Sensor
- Lab-on-a-Chip, MEMS & NEMS, Micro- & Nano-Fluidics
- Nanomedicine, Molecular Imaging, Drug & Gene Delivery

- Functional Nano & Bio-Materials
- Medical Diagnosis, Immunoanalysis, Molecular Diagnostics
- DNA/Protein Chip, Aptasensor

## Abstract Submission Guideline

Prospective authors are invited to submit abstracts for presentations. Abstract(s) can be up to 1 page in length using a standard [format](#). A review process for those who submitted abstract(s) will be managed by IFFM 2019 Program Committee. Abstracts must be submitted electronically via IFFM 2019 website at <http://iffm2019.org> **March 31, 2019**.

## Conference Proceedings

All authors with accepted contributions to IFFM 2019 are invited to submit full papers to the Proceedings of IFFM 2019, which will be published as special issues in nominated international journals such as **Journal of Biomedical Nanotechnology(JBN) (IF=5.068)**, **Science of Advanced Materials(SAM) (IF=1.318)**, **Journal of Nanoscience & Nanotechnology(JNN) (IF=1.354)**, **Nanoscience and Nanotechnology Letters(NNL) (IF=2.917)**, etc. after peer-reviewing.

SCI (J. of Biomedical Nanotechnology, IF=5.068, American Scientific Publishers) 5 papers (\$2,250/paper)

SCIE (Science of Advanced Materials, IF=1.318, American Scientific Publishers) 30 papers (\$580/paper)

SCIE(J. of Nanoscience & Nanotechnology, IF=1.354, American Scientific Publishers) 70 papers (\$580/paper)

SCIE (Nanoscience and Nanotechnology Letters, IF=2.917, American Scientific Publishers) 50 papers (\$580/paper)

## Registration

All participants must pay the registration fee. Online registration with credit cards will be available through the homepage (<http://iffm2019.org>). For those who wish to register on-site, credit cards and cash in local currency (KRW; Korean Won) will be accepted. The fee schedule is:

## Conference Registration Fees

Category	Regular	Student	Accompanying Person
Pre-registration (before May 15, 2017)	US 500\$	US 250\$	US 50\$
On-site registration (after May 15, 2017)	US 550\$	US 300\$	US 50\$

# Plenary and Invited Speakers

## Plenary Speakers

**Prof. Shu-Hong Yu (University of Science and Technology of China (USTC), China)**

**Prof. Joshua Edel (Imperial College London, UK)**

**Prof. Yinong Liu (Western Australia University, Australia)**

**Prof. K. D. Weltman (INP, Germany)**

## Invited Speakers

**Prof. Lu Li (National University of Singapore, Singapore)**

**Prof. Shu Yin (Tohoku University, Japan)**

**Prof. Xue Dongfeng (Changchun Institute of Applied Chemistry, CAS, China)**

**Prof. Hyoyoung Lee (Sungkyunkwan University, Korea)**

**Prof. Joonsuk Huh (Sungkyunkwan University, Korea)**

**Prof. Chang Young Lee (UNIST, Korea)**

**Prof. Hee Young Kim (Institute of Materials Science, University of Tsukuba, Japan)**

**Prof. Dong-won Kim (Hanyang University, Korea)**

**Prof. Rong Yang (Xi'an University of Science and Technology, China)**

**Prof. Rongke Gao (Hefei University of Technology, China)**

**Prof. Junhu Cheng (South China University of Technology, China)**

**Prof. Sang-Uk Lee (Hanyang University, Korea)**

**Prof. Lai-Kwan Chau (National Chung Cheng University, Taiwan)**

**Prof. Young Bok Lee (Hanyang University, Korea)**

**Prof. Yinglin Yan (Xi'an University of Science and Technology, China)**

**Prof. Masaru Hori (Nagoya University, Japan)**

**Prof. Michael Kong (Old Dominion University, USA)**

**Prof. Satoshi Hamaguchi (Osaka University, Japan)**

**Prof. Masafumi Ito (Meijo University, Japan)**

**Prof. Masaharu Shiratani (Kyushu University, Japan)**