

IFFM 2017

2017 International Forum on Functional Materials (IFFM 2017)

7th International Symposium for Plasma Biosciences (ISPB2017-7)
5th International Symposium on Chemical & Biological Detection (ISCBD-5)
3rd International Conference Tech-connection of Advanced Materials (TAM2017)
4th International Symposium on Medical Diagnosis using Bionano Sensor
1st International Symposium on Energy Conversion and Storage Materials (ISECSM2017)

June 27 – 29, 2017 / Ramada Plaza Jeju Hotel, Jeju, Korea



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1st International Symposium on Energy Conversion and Storage Materials (ISECSM2017)

June 27-29, 2017

Ramada Plaza Jeju Hotel (8F), Jeju, Korea

<http://www.iffm2017.org>

Organized by:

- Research Institute for Green Energy Convergence Technology at Gyeongsang National University
- Chemical and Biological Detection Research Center at Sungkyunkwan University
- Plasma Bioscience Research Center (PBRC-SRC) at Kwangwoon University
- Center for Integrated Human Sensing System (HSS-ERC), Hanyang University
- Global Leading Track of Graduate School Program for Solar Cell Industry
- Korean Vacuum Society
- Korean Battery Society

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

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

Prof. Eun Ha Choi (Kwangwoon University, Korea)

Prof. Jaebum Choo (Hanyang University, Korea)

General Secretary Prof. Kwon-Koo Cho (Gyeongsang National University, Korea)

Language The official language of the conference is English

Important Dates

May 31, 2017	Abstract submission deadline
May 31, 2017	Notification of Acceptance of Abstract
May 31, 2017	Early Registration Deadline
May 31, 2017	Accommodation Reservation Deadline
June 15, 2017	Final Program Announcement
June 30, 2017	Paper Submission Deadline

IFFM 2017 Topics

1. Functional Materials

- Photovoltaic materials
- Energy storage and conversion materials
- Electronic & semiconductor materials
- Opto-electronic & thermoelectric materials
- Ferroelectric and multiferroic materials
- Ferromagnetic & magneto-optical materials
- Organic and carbon-based nano-materials (Graphene, CNTs, DLC, etc.)
- Shape memory materials
- Multi-functional Nanocomposites

2. Functional Thin Films and Coatings for Applications of

- Electronics & displays
- Solar cell
- Battery and fuel cell Electronics & displays
- Semiconductor & electronic devices
- Organic & inorganic materials devices
- Sensors (chemical or optical) and actuators

3. Science & Technology of Functional Materials

- Computational science of functional materials (Design and Modeling)
- Innovation in micro and thin solid batteries and application in data storage
- 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
- Sensor Materials, Functional Nano & Bio-Materials
- Medical Diagnosis, Immunoanalysis, Molecular Diagnostics
- DNA/Protein Chip, Aptasensor

6. TAM 2017

List of Plenary & Invited Speakers (Tentative)

Plenary Speakers

Prof. Tae-Young Yoon	(Seoul National University, Korea)
Prof. Alexander Fridman	(Drexel Plasma Institute, USA)
Prof. Koichi Niihara	(Nagaoka University of Technology, Japan)
Prof. Stefano Passerini	(Karlsruhe Institute of Technology, Germany)
Prof. Boris Mizaikoff	(Uim University, Germany)
Prof. Lu Li	(National University of Singapore, Singapore)
Prof. Soon Hyung Hong	(Korea Advanced Institute of Science and Technology, Korea)

Invited Speakers

Prof. Hideki Hosoda	(Tokyo Institute of Technology, Japan)
Dr. Jong-Taek Yeom	(Korea Institute of Materials Science, Korea)
Prof. Joong Hee Lee	(Chonbuk University, Korea)
Prof. Jaehwan Kim	(Inha University, Korea)
Prof. Yong Mook Kang	(Dongguk University, Korea)
Prof. Gil Sik Lee	(University of Texas at Dallas, USA)
Prof. Yoon Seok Jung	(Ulsan National Institute of Science and Technology, Korea)
Prof. Chang Woo Lee	(Kyung Hee University Korea)
Prof. Yongku Kang	(Korea Research Institute of Chemical Technology, Korea)
Prof. Joong Kee Lee	(Korea Institute of Science and Technology, Korea)
Dr. Sang Min Lee	(Korea Electrotechnology research institute, Korea)
Prof. Jae Gwang Kim	(Cheong Ju University, Korea)
Prof. Xiaohui Zhao	(Soochow University, China)
Prof. Tomoaki Yamada	(Nagoya University, Japan)
Dr. Hoon Kyu Shin	(Pohang University of Science and Technology, Korea)
Prof. Klaus-Dieter Weltmann	(Leibniz INP Institute, Germany)
Prof. Nagendra Kaushik	(Kwangwoon University, Korea)
Prof. Thomas von Woedke	(Leibniz INP Institute, Germany)
Prof. Kyu Sun Lee	(Korea Research Institute of Bioscience & Biotechnology, Korea)
Prof. Hans-Robert Metelman	(University Medicine Greifswald, German)
Prof. Ihn Hahn	(Kwangwoon University, Korea)
Prof. Kai Masur	(Leibniz INP Institute, Germany)
Prof. Ku Youn Baik	(Kwangwoon University, Korea)
Prof. Masaru Hori	(Nagoya University, Japan)
Dr. Sybille Hasse	(Leibniz INP Institute, Germany)
Prof. Rak Woo Chang	(Kwangwoon University, Korea)
Dr. Anke Schmidt	(Leibniz INP Institute, Germany)
Prof. Jean-Michel Pouvesle	(University of Orleans, France)
Prof. Xin Pei Lu	(HuaZhong University, China)
Prof. Sun Jung Kim	(Dong-Guk University, Korea)
Prof. Masaharu Shiratani	(Kyushu University, Japan)

Prof. Kwang Man Kim	(Yonsei University, Korea)
Prof. Takayuki Ohta	(Meijo University, Japan)
Prof. Gyungsoon Park	(Kwnagwoon University, Korea)
Dr. Maksudbek Yusupov	(University of Antwerp, Belgium)
Prof. Pankaj Attri	(Kwangwoon University, Korea)
Prof. Wontae Lee	(Yonsei University, Korea)
Prof. Geon Joon Lee	(Kwnagwoon University, Korea)
Prof. Young June Hong	(Kwnagwoon University, Korea)
Dr. Manish Adhikari	(Kwnagwoon University, Korea)
Prof. Christine Kranz	(Ulm University, Germany)
Prof. Yong-beom Lim	(Yonsei University, Korea)
Dr. Young-Su Jeong	(Agency for Defense Development, Korea)
Prof. Dong Woo Lim	(Hanyang University, Korea)
Prof. Dongfeng Xue	(Chinese Academy of Sciences, China)
Prof. Daejoon Kang	(Sungkyunkwan University, Korea)
Prof. Ray-Hua Horng	(National Chiao Tung University, Taiwan)
Prof. Sangwoo Kim	(Sungkyunkwan University, Korea)
Prof. Shu Yin	(Tohoku University, Japan)
Prof. Tae-Hyuk Kwon	(Ulsan National Institute of Science and Technology, Korea)
Prof. Hyoyoung Lee	(Sungkyunkwan University, Korea)
Prof. Chongmu Lee	(Inha University, Korea)
Prof. Taek Dong Chung	(Seoul National University, Korea)
Prof. Joohoon Kim	(Kyung Hee University, Korea)

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 2017 Program Committee. Abstracts must be submitted electronically via IFFM 2017 website at www.iffm2017.org by **May 31, 2017**.

Conference Proceedings

All authors with accepted contributions to IFFM 2017 are invited to submit full papers to the Proceedings of IFFM 2017, which will be published as special issues in nominated international journals such as **Journal of Biomedical Nanotechnology (IF=3.929)**, **Science of Advanced Materials (IF=1.812)**, **Journal of Nanoscience & Nanotechnology (IF=1.338)**, **Journal of Biomaterials & Tissue Engineering (IF=1.287)**, etc. after peer-reviewing.

SCI (J. of Biomedical Nanotechnology, IF=3.929, American Scientific Publishers)

SCIE (Science of Advanced Materials, IF=1.812, American Scientific Publishers)

SCIE (J. of Nanoscience & Nanotechnology, IF=1.338, American Scientific Publishers)

SCIE (J. of Biomaterials & Tissue Engineering, IF=1.287, American Scientific Publishers)

The topic of submitted manuscript should fit into the journal's specific scope, otherwise,

Journals	Secured Numbers	Publication Charges	Special Requirements
1. J. of Biomedical Nanotechnology(JBN) (SCI, IF=3.929)	5	USD 2,100 per paper	Only one submission per corresponding author Minimum 10 journal pages
2. Science of Advanced Materials(SAM) (SCIE, IF=1.812)	30	USD 90 per page	Minimum 4 journal pages
3. J. of Nanoscience & Nanotechnology (JNN) (SCIE, IF=1.338)	70	USD 90 per page	Minimum 4 journal pages
4. J. of Biomaterials & Tissue Engine (JBT) (SCIE, IF=1.287)	50	USD 90 per page	Minimum 4 journal pages

* The payment amount (\$USD) will be changed depending on the exchange rate of the day

Registration

All participants must pay the registration fee. Online registration with credit cards will be available through the homepage (www.iffm2017.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 31, 2017)	US 500\$ (KRW 600,000)	US 250\$ (KRW 300,000)	US 50\$ (KRW 60,000)
On-site registration (after May 31, 2017)	US 550\$ (KRW 660,000)	US 300\$ (KRW 360,000)	US 50\$ (KRW 60,000)