

# 3rd Japan-EU Flagship Workshop on Graphene and Related 2D Materials

RIEC, Tohoku University, Sendai, Japan

Nov. 19th – 21st, 2018.

The 3rd Japan-EU Flagship Workshop on Graphene and Related 2D Materials will be held at the Laboratory for Nanoelectronics and Spintronics, Research Institute of Electrical Communication, Tohoku University, Sendai, Japan during November 19th – 21st, 2018. This workshop provides the opportunity for Japanese and European researchers to discuss and exchange on the progress in the areas of graphene and related two-dimensional (2D) materials (GRM), fundamental physical phenomena and devices. The aim is to facilitate scientific exchanges and identify needs and mechanisms for future collaborations. This workshop is a follow up to the first Japan-EU Workshop held in Tokyo, Japan during October 31st – November 2nd, 2015, and the second EU-Japan Workshop held in Barcelona, Spain, during May 6th – 8th, 2017.

The workshop is co-organized by Japanese and European scientists and sponsored by the European Graphene Flagship and the Japan Science and Technology Agency.

The Workshop Organizing Committee is chaired by:

Prof. Taiichi Otsuji (Tohoku Univ., Japan),  
Prof. Yoshihiro Iwasa (Univ. Tokyo, Japan),  
Dr. Atsushi Kurobe (JST-CREST, Japan),  
Dr. Seiichiro Kawamura (JST-CRPD, Japan),  
Prof. Stephan Roche (ICREA, Spain), and  
Prof. Jari Kinaret (Chalmers Univ., Sweden).

The Japanese Advisory Board members:

Prof. Toshioaki Enoki (Tokyo Inst. Tech., Japan),  
Prof. Riichiro Saito (Tohoku Univ., Japan),  
Prof. Tohoki Machida (Univ. Tokyo, Japan),  
Dr. Masataka Hasegawa (AIST, Japan), and  
Prof. Yoshichika Otani (Univ. Tokyo, Japan)

support the workshop.

The workshop gathers 46 participants (28 from Japan and 18 from Europe), coming mainly from academic and research institutions. European participants include the Graphene Flagship Director, Work Package Leaders and Deputies and senior researchers mostly from Divisions 1 and 3 (WP1 Enabling Research, WP2 Spintronics, WP3 Enabling Materials, WP5 Biomedical Technologies, WP6 Sensors, WP7 Electronic Devices, WP8 Photonics and Optoelectronics, WP9 Flexible Electronics) in the Graphene Flagship. Participants from Japan include representatives of selected projects supported by the Japan Science and Technology Agency (JST) through the CREST programme and by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) through the SATL program and the Japan Society for the Promotion of Science (JSPS) KAKENHI programme.

The workshop broadly covered the areas of:

- Graphene and related 2D materials with emphasis on materials synthesis and characterisation with special focus on Boron Nitride (BN) and Transition Metal Dichalcogenides (TMDs)
- Study of fundamental physical properties of graphene/2D related (GRM) materials and heterostructures including 2D superconductivity, topological and transport properties, spin – and valley- trionics
- GRM-based functional device technology including terahertz, plasmonic and optoelectronic devices based on GRM including detectors, emitters, modulators and sensors

Sponsored by:



Graphene Flagship, Europe



ESF: European Commission



MEXT-SATL, Japan



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