

## CALL FOR PAPER

# TWHM 2024



## 15<sup>th</sup> Topical Workshop on Heterostructure Microelectronics

August 26<sup>th</sup>-29<sup>th</sup>, 2024, SENDAI SUNPLAZA Hotel, Japan

<https://www.rciqe.hokudai.ac.jp/twhm2024/>

### TWHM

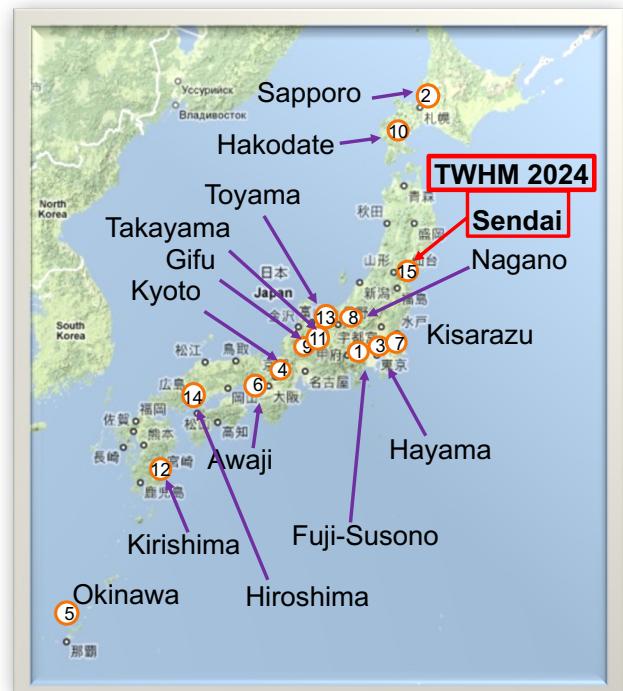
This workshop focuses on advanced micro- and nano-electronics based on semiconductor heterostructures. Materials of interest include III-Vs (III-Ns), group IV, oxide semiconductors, 2D layered materials, nano-carbons, and other semiconductors. Various application areas such as power, high-speed and high-frequency applications, and also sensors, solar cells, are in the scope of the workshop. The workshop consists of about 20 invited papers selected from the leading edge of these fields and about 50 contributed papers.

### Technical Topics

1. Semiconductor Heterostructure materials & characterization
2. Electron devices & process development
3. High frequency, high speed and THz electronics
4. Power electronics
5. Sensors
6. Solar cells
7. Circuit implementation and system applications
8. Manufacturing technology and reliability issues

### Venue

SENDAI SUNPLAZA Hotel,  
Sendai, Miyagi, Japan  
<https://www.sendai-sunplaza.com/english/>  
(Room Crystal 390m<sup>2</sup> & Room Miyagino 260m<sup>2</sup>)



### Important Date

Deadline for abstract submission:  
April 27, 2024

Keynote Speaker (TBD)  
Invited Speakers (TBD)

## **Workshop Co-Chairs**

Michihiko Suhara (Tokyo Metro. Univ.)  
Elke Meissner (Fraunhofer IISB)  
David Meyer (Naval Research  
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Takuya Tsutsumi (NTT)

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Toshiharu Kubo (Nagoya Inst. of  
Tech.)  
Toshi-kazu Suzuki (JAIST)  
Toshiyuki Oishi (Saga Univ.)  
Tsutomu Uesugi (Nagoya Univ.)  
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