

CALL FOR PAPER

TWHM 2022

14th Topical Workshop on Heterostructure Microelectronics



Hiroshima Garden Place Hotel
Hiroshima, Japan
August 29th –Sept 1st, 2022

<https://www.hotelgp-hiroshima.com/en/>

Deadline for abstract submission:
April 25, 2022

Workshop Co-Chairs:

Kunio Tsuda (Toshiba Infrastructure Systems & Solutions Corp.)

Srabanti Choudhury (Stanford University)

Guillermo Carpintero (Universidad Carlos III de Madrid)



All Photos: Courtesy of Hiroshima Prefecture

UNESCO World Heritage sites
Itsukushima-Shrine in Miyajima



About 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

Program Co-Chairs:

Michihiko Suhara (Tokyo Metro. Univ.)

Elke Meissner (Fraunhofer IISB)

David Meyer (Naval Research Laboratory)

Venue

Hiroshima Garden Place Hotel, Hiroshima, Japan

Hiroshima prefecture is located in the south of Chugoku region, facing the Seto Inland Sea. There are two famous World Heritage sites in Hiroshima, one is the A-Bomb Dome, and the other is the Itsukushima Shrine in Miyajima which is famous for filling with water and appearing to float during high tide. For details, please see the following URL.

<https://www.hiroshima-navi.or.jp/en/>



SUBMISSION OF PAPERS

To present a paper, please submit two-page abstract in A4 or Letter size written in English. Your abstract must clearly and concisely state the specific results of your work. Within the two-page limit, the abstract should include appropriate figures and key references. An application form should be also sent with the abstract. The example abstract and the application form will be uploaded on the web-site.

<http://www.rciqe.hokudai.ac.jp/twhm2022/> (under construction)

Please send two-page abstract in PDF format and application form via e-mail to twhm-abst@rciqe.hokudai.ac.jp

Abstract Submission Deadline: April 25, 2022

Notification of Acceptance: June 13, 2022