This workshop offers a platform to share recent advances in the crystal growth and physical properties of two-dimensional materials, as well as their device applications. It encourages interdisciplinary discussion that ranges from fundamental science to real-world applications.

This year, we will welcome four invited speakers who are conducting cutting-edge research in areas including theories of moiré superlattices, crystal growth of high-quality two-dimensional materials, local manipulation and control of atomically thin materials, and two-dimensional semiconductor devices. The workshop will also feature poster presentations covering a broad range of topics, including crystal growth, structural and defect characterization, optical and electronic properties, quantum phenomena, and device applications of two-dimensional materials. A poster award program will further encourage early-career researchers to share their achievements and engage with the broader research community.

By bringing together researchers working in theory, materials synthesis, measurement, physical-property characterization, and device research, the workshop aims to promote the exchange of knowledge across disciplinary boundaries and create opportunities for new research directions and collaborations.

2nd Workshop

Frontiers in Two-Dimensional Materials: Growth, Properties, and Devices

Invited Talk 1

Mikito Koshino
(The University of Tokyo)

Invited Talk 2

Kaito Kanahashi
(The University of Tokyo)

Invited Talk 3

Yuta Seo
(The University of Tokyo)

Invited Talk 4

Takashi Taniguchi
(MANA, NIMS)

2026 10.7 13:25-Thu.

Registration 13:00-

Venue: Namiki Site, National Institute for Materials Science (NIMS)

Language: English

Contact: KITAURA.Ryo@nims.go.jp, MIYATA.Yasumitsu@nims.go.jp

NIMS MANA wpi

Registration