

Dear Mr. Peng Tan,

### Letter of Invitation

We are delighted to invite you to participate in the Nature Conference on Phase Engineering of Nanomaterials, scheduled for November 20-22, 2024, at City University of Hong Kong.

After the success of the inaugural Nature Conference on "Chemistry of 2D materials" in 2022, held virtually, we are pleased to announce the upcoming Nature Conference on "Phase Engineering of Nanomaterials". This on-site conference aims to gather renowned international experts for in-depth discussions and knowledge sharing on the phase-dependent properties of different nanomaterials. Topics to be covered include chemical synthesis, processing, characterization, and phase engineering of transition metal dichalcogenides and other nanomaterials, as well as their applications in advanced electronics and catalysis.

#### I. Conference Details

- a) Date: November 20, 2024 – November 22, 2024
- b) Location: Wong Cheung Lo Hui Yuet Hall, Floor 5, Lau Ming Wai Academic Building, City University of Hong Kong, Tat Chee Avenue, Hong Kong
- c) Organized by City University of Hong Kong, Hong Kong Institute for Clean Energy, Department of Chemistry, Department of Material Science and Engineering, Hong Kong Branch of National Precious Metals Material Engineering Research Center, Nature, Nature Communications, Nature Reviews Materials, Nature Review Chemistry, Nature Materials, Nature Nanotechnology, Nature Catalysis and Nature Synthesis
- d) In-person conference

Topic session:

- 1) phase engineering of transition metal dichalcogenides
- 2) phase engineering of metallic nanomaterials + In-situ studies of phase transformation
- 3) phase-dependent electrocatalysis and photocatalysis
- 4) phase dependent wet-chemical synthesis
- 5) phase-based heterostructures for electronics and catalysis

#### II. Conference Registration

- a) Registration booking is open online with a deadline of November 22, 2024 12:00 PM. Registration link and registration fee details are below,

Category \ Date	before October 19, 2024	October 20 to November 18, 2024	onsite
Student	HKD 2,500 / USD 320	HKD 3,000 / USD 385	HKD 3,500 / USD 450
Academic	HKD 6,000 / USD 770	HKD 7,000 / USD 897	HKD 9,000 / USD 1,153
Industry	HKD 9,000 / USD 1,153	HKD 11,000 / USD 1,409	HKD 14,000 / USD 1,794

- b) Conference registration and payment: pay online (fee is subject to actual payment date)
- c) Abstract: The Scientific Committee will select abstracts from conference registrants for poster presentations or short oral talks. The deadline to submit abstracts is September 30, 2024.

III. Conference Contacts:

- a) Registration: [Nconf.pen@cityu.edu.hk](mailto:Nconf.pen@cityu.edu.hk)
- b) Abstracts: [iris.liu@nature.com](mailto:iris.liu@nature.com)
- c) Website: [Nconf.pen@cityu.edu.hk](mailto:Nconf.pen@cityu.edu.hk)
- d) Payment: [Nconf.pen@cityu.edu.hk](mailto:Nconf.pen@cityu.edu.hk)

Yours sincerely,



Hua ZHANG

*Local Organizer of Nature Conference on Phase Engineering of Nanomaterials  
 Director, Hong Kong Institute for Clean Energy  
 Herman Hu Chair Professor of Nanomaterials  
 City University of Hong Kong*