

3rd KAIST Emerging Materials e-Symposium

Korea Advanced Institute of Science and Technology (KAIST) / Dec. 20-21, 2022

Welcome Letter

Dear colleagues,

It is a great pleasure to welcome you to the **3rd KAIST Emerging Materials Symposium**, scheduled for **December 20-21, 2022 via Online Zoom presentation**. The 3rd KAIST Emerging Materials Symposium aims to provide a highly engaging forum for students, scientists, and engineers to share the latest breakthroughs and great achievements in the development of novel materials with unique properties and functionality supported by rigorous physical and chemical characterizations.

This symposium features **highly impactful presentations by 15 distinguished keynote speakers**.

The goal of 3rd KAIST Emerging Materials Symposium is to identify the key issues related to big ideas in materials science, applied physics, and chemistry including following topics: 1) Innovations for Energy Materials, 2) Emerging Applications of Chemical and Material Engineering 3) Advanced Strategies for Nanomaterials Synthesis.

We invite you to join us at the 3rd KAIST Emerging Materials Symposium to share in this meaningful exchange of great, innovative ideas in materials research.

KAIST welcomes all the participants to join in this memorable experience. Thank you for participating!

Up to three thousand people can simultaneously access through the Zoom Webinar (when exceeded, through Youtube), and Q&A will be conducted on the chat window. All participants will be muted during the lectures.

Prof. Il-Doo Kim
Chairman of the Organizing Committee



Il-Doo Kim

Organizing Committee

- General Chair **Il-Doo Kim*** / KAIST Dept. Materials Science and Engineering [*idkim@kaist.ac.kr](mailto:idkim@kaist.ac.kr)
- General Co-Chair -
- Program Chair -
- Program Committee **Min Soo Kim, Chungseong Park, Jong Won Baek, Euichul Shin, Song Lu** / KAIST DMSE



Co-Chair Program Chair

Program Committee



Lectures available on



Program Overview

Korea Standard Time (KST)

Session I (Chair: TBD)

Dec. 20 (Tue) 8:50 am – 12:00 pm

08:50 – 09:00	Il-Doo Kim (Chair) - Opening remarks
09:00 – 09:45	Mercouri G. Kanatzidis (Northwestern)
09:45 – 10:30	Xiaodong Chen (NTU)
10:30 – 11:15	Harry L. Tuller (MIT)
11:15 – 12:00	Chunyi Zhi (CityU)



Session II (Chair: TBD)

Dec. 20 (Tue) 1:00 pm – 4:00 pm

13:00 - 13:45	Prashant Kamat (Notre Dame)
13:45 – 14:30	Jun Chen (UCLA)
14:30 – 15:15	Joseph Wang (UCSD)
15:15 – 16:00	Robert Hoyer (Oxford)
16:00 – 16:45	Ib Chorkendorff (DTU)



Session III (Chair: TBD)

Dec. 21 (Wed) 9:00 am – 12:00 pm

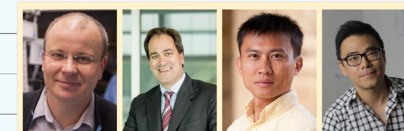
09:00 – 09:45	Liangbing Hu (Maryland)
09:45 – 10:30	Jeffrey Long (Berkeley)
10:30 – 11:15	Zhenan Bao (Stanford)
11:15 – 12:00	Michael Strano (MIT)



Session IV (Chair: TBD)

Dec. 21 (Wed) 1:00 pm – 3:30 pm

13:00 - 13:45	Dmitri Talapin (Uchicago)
13:45 – 14:30	Chad A. Mirkin (Northwestern)
14:30 – 15:15	Yi Cui (Stanford)
15:15 – 16:00	Jeehwan Kim (MIT)
16:00 – 16:15	Closing remarks





3rd KAIST Emerging Materials e-Symposium

17 Prestigious Speakers From All Around the World



Xiaodong Chen
NTU
Editor-in-Chief
(ACS Nano)



Jeehwan Kim
MIT
Associate Editor
(Science Advances)



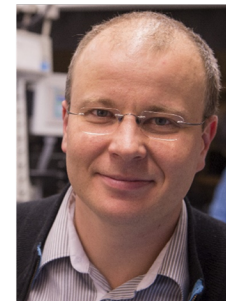
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MIT
Editor-in-Chief
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Maryland
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Michael Strano
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Oxford



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DTU