

iCeMS Kitagawa Group Seminar



Assoc. Prof. Allan Niidu

*Tallinn University of Technology,
School of Engineering,
Virumaa College,
Estonia*

“Strategy for the Designing of Energy Harvesting Materials : Structure, supramolecular interactions and Applications”

[You can find more information here \(click or scan\)](#)

Date: April 15th, 2025
Time: 15:00-16:00
Place: 2F Seminar room,
iCeMS main bldg.



Abstract: The increasing accumulation of polymer waste, including plastics and used tires, emphasizes the need for sustainable recycling solutions. In Estonia, the transition away from oil shale by 2040 presents an opportunity for co-pyrolysis with polymer waste, supporting both energy recovery and raw material processing. This lecture discusses recent work on hydrogen production from polymeric waste and the role of porous materials in enhancing circular economy practices.

Contact: Ken-ichi Otake, Kyoto University, iCeMS
Mail: ootake.kenichi.8a@kyoto-u.ac.jp, **Phone:** 9861