



## Symposium III-4. Energy and Environmental Materials - Eco-Materials

“Eco-materials” is “materials (or material technologies) that possess excellent characteristics with good performance, while having only a low impact on the environment as well as being kind to humans.” This symposium will focus on fundamental and applied aspects of developing eco-materials for structural application to reduce energy consumption during manufacturing, using and recycling or disposal of it.

### Topics of interest include (but are not limited to):

- Light Metals and related manufacturing process
- Light weight materials for low energy consumption and low CO<sub>2</sub> emission
- Easy recyclable materials
- Manufacturing process with low energy consumption
- Environmentally friendly materials processing

### Invited speakers (tentative) include:

<Keynote> **Rui YANG** (Institute of Metal Research): Titanium alloys and aluminides

**Mok-Soon KIM** (Inha University): Aluminum wrought alloys; **Young-Jig KIM** (Sungkyunkwan University): Casting process of light metals; **Joon-Pyo PARK** (Research Institute of Industrial Science and Technology): Al casting and recycling; **Beom-Suck HAN** (Korea Automotive Technology Institute): Light weightening of car components; **Jung-Moo LEE** (Korea Institute of Materials Science): Low cost process for Al alloys; **Hyoung-Wook KIM** (Korea Institute of Materials Science): Al casting and metal matrix composite; **Shinji KUMAI** (Tokyo Institute of Technology): Eco-Materials general; **Zong-Yi MA** (Institute of Metal Research, China): Light high-strength alloy

## Symposium Organizers

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