

The 12th International Symposium on Feedstock Recycling of Polymeric Materials

www.ISFR2024.kr

October 21-23, 2024 · Grand Josun Hotels & Resort, Jeju Island, Korea

The objective of the **International Symposium on Feedstock Recycling of Polymeric Materials (ISFR)** is to provide common platform for sharing the latest developments and exchange of ideas on the feedstock recycling of polymeric materials from both scientific and technological points of view. The current scenario of different processes for the valorization of polymeric residues (waste plastics, e-waste, marine plastic debris, biomass, etc.) by their transformation into raw chemicals, fuels, commercial products and/or energy using the thermo-chemical, catalytical, chemical and biochemical methods will be discussed. These methods are expected to be highly energy efficient and eco-friendly while providing an attractive profitability that may allow the modern societies to successfully manage the huge and increasing amounts of polymeric wastes. Moreover, the symposium is a great platform to establish new contacts for the future cooperation and present results of their research activities.

DATE & VENUE

21st(Monday) - 23rd(Wednesday) October 2024

Grand Josun Hotels & Resort, Jeju Island, Korea

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SCOPE OF THE SYMPOSIUM

Policy, LCA, TEA

- Management of waste polymeric materials & biomass
- Feedstock recycling policy (Legislation) & bioenergy policy (Legislation)
- LCA for waste polymeric materials & biomass energy
- Techno-economic analysis (TEA) of feedstock recycling processes & biomass conversion processes

Pretreatment, Other Treatment Methods, Analytical Methods

- Pretreatment of waste polymeric materials & biomass
- Sorting of waste plastics
- Mechanical Recycling
- Analytical Methods

Conversion Technologies

- Pyrolysis of waste polymeric materials & biomass
- Gasification of waste polymeric materials & biomass
- Solvolysis (or chemical depolymerization) of waste plastics
- Hydrogenation, Biological conversion, etc.
- Biological and chemical conversion

Utilization

- Products of pyrolysis, gasification, & biological conversion of waste polymeric materials & biomass

Special Scope in ISFR 2024

- Conversion technologies using unconventional energy sources such as plasma and microwave energy
- Marine waste plastics and microplastics (Policy, LCA, Conversion technologies, etc.)
- WEEE plastics (Policy, LCA, Conversion technologies, etc.)

DATES TO REMEMBER

- Deadline for Presentation Proposal **16 August 2024 (Extended)**
- Deadline for Abstract Submission **23 August 2024**
- Deadline for Registration **13 September 2024**

CONFERENCE CHAIR

Prof. Joo-Sik Kim, University of Seoul

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