



IMP-Days

April 15-18, 2024

LYON, France

2nd Edition dedicated to THERMOSETS

New Challenges for THERMOSETS

IMP-DAYS

The Polymer Materials Engineering Laboratory (IMP lab) organizes its IMP-Days. Starting from 2022 in memory of Prof. Jean-Pierre PASCAULT, IMP Lab will organize, every two years, a series of Conference. The topics will be related to front leading areas of polymer science involving topics covered by IMP researchers.

About IMP

IMP leads polymer-related research covering the whole supply chain from polymer synthesis including manufacturing processes up to structural and/or functional materials exhibiting a controlled architecture and a low environmental impact.

IMP-DAYS 2024 Topics

This second edition of IMP Days will be dedicated to thermosetting materials, both a scientific and industrial topic close to Jean-Pierre Pascault's heart. Thermosetting polymers which are defined as highly-crosslinked chemical networks exhibit high thermal, chemical and mechanical stability. These properties make thermosets very suitable for structural and protective applications in various fields such as composite, coating and adhesives. Typical families of thermosetting polymers are phenolic and urea-formaldehyde resins, unsaturated polyesters, polyurethane and epoxy networks. Thermosets-related research stays particularly challenging since these materials are historically obtained from petroleum-based reactants and still generally suffer from brittleness and poor recycling ability. Choice of monomers should be rethought, involving blocks from renewable resources, managing material's end of life for allowing its reprocessing and recycling, introducing dynamic bonds to improve processing and/or self-healing ability...

The program of these four scientific days will include the following topics :

- *Chemistry: New monomers, bio-based thermosets, dynamic networks*
- *Processing of fiber reinforced thermosets, coatings, additive manufacturing*
- *Physical Characterization and modeling of thermosets*
- *Circular Economy and thermosets : LCA, recycling*

So, save these dates for a unique moment of scientific meetings and exchanges... and many more !

Invited Speakers (confirmed)

Miroslava Duskova, Cristina Elizetxea Ezeiza, Francesco Quatraro, Andrzej Rybak,

Harritz Sardon, Raquel Verdejo



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VENUE

The event will take place at INSA Lyon, 20 Avenue Albert Einstein, 69100 Villeurbanne on "La Doua Lyon Tech campus".

50' from Lyon Saint-Exupery airport (Rhône Express train + tramway T1/T4 La Doua)

20' from La Part-Dieu TGV station (T1/T4 La Doua)

REGISTRATION FEES

Registration fees : 440 € for regular and 320 € for students (VAT included)
included lunch meals, coffee breaks, welcome party and conference dinner (April 17th, 2024)
Invoice will be send by INSAVALOR Co.
More information: <https://imp-days-2024.sciencesconf.org/>

KEY DATES

Deadline for sending abstract : January 15th, 2024
Notification of acceptance : January 30th, 2024
Opening registration : January 30th, 2024
Early-Bird deadline : March 8th, 2024
Registration deadline : April 2nd, 2024

