



TRAINING SCHOOL: GEHTP "Green Engineering by High Pressure Technology"

WHEN and WHERE: 7th to 10th July 2022 Maribor, Slovenia

THE COURSE SCHEDULE:

Monday, 4 July 2022:

- Opening Short Introduction of each Participant
- HP Phase Equilibria - Fundamentals (Bren, Maribor/SI)
- HP Phase Equilibria - Experimental Methods (Knez-Marevci, Maribor/SI)

Tuesday, 5 July 2022

- SSI, Integrated SFE-SSI, and SSI Coupled with Chemical Reaction in Materials Design (Zizovic, Wroclaw/PL)
- Supercritical Fluids in Process and Product Design – From Bench Scale to Pilot Plants (Petermann, Bochum/DE)
- HP Phase Equilibria - Modelling (Martin, Valladolid/ES)

Wednesday, 6 July 2022

- Supercritical Water Properties & Applications (Cocero, Valladolid/ES)
- Lignocellulosic Biomass Biorefinery by sub/SCW Processes (Cocero, Valladolid/ES)
- Extrusion Foaming of Polymers (Sauceau, Albi/FR)

Thursday, 7 July 2022

- Supercritical Fluid Extraction and Separation of Active Components from Medicinal Plants (Vagi, Budapest/HU)
- Kinetics of SCF Extraction of Compounds from Plants and Microalgae (Sovova, Prague/CZ)

- SCF Extraction of Solid Materials - Advantages in Energy and Resource Consumption to Conventional Processes (Gamse, Graz/AT)
- Tutorials in HP Separation Processes for Process Intensification (Gamse, Graz/AT)

Friday, 8 July 2022

- HP Particle Generation - Pros and Cons to Conventional Processes (Knez, Maribor/SI)
- HP Enzymatic Processes - Advantages to Organic Solvents (Knez, Maribor/SI)
- Kinetics of High Pressure Chemical Reactions Including Benefits (Busch, Darmstadt/DE)
- Application of Pressure and SCF Technology in a World Scale Process (Busch, Darmstadt/DE)

Saturday, 9 July 2022

- HPCO₂ Pasteurization and Drying of Food Products (Zambon, Padova/IT)
- GEHPT Delivery of Diploma and Closing Ceremony