ERASMUS+ BIP ESS-HPT 2024 "The European Summer School in High Presssure Technology"													
7.720.7.2024, TU Graz Online Phase 22.7. – 23.8.2024													
MORNING AFTERNOON I													
	8:30 - 9:15 9:25 - 10:10							17:00 - 17:45	17:45 - 18:30				
Sunday, 7 July 2024	Arrival									18:30 Registration	19:00 Welcome Dinner		
Monday, 8 July 2024	Opening Short Introduction of each Participant		HP Phase Equilibria - Fundamentals (Bren, Maribor/SI)		Experime	e Equilibria - ntal Methods /ci, Maribor/SI)	e Break		16:00 -17:30 guided tour Graz			Free time	Discussion + 20:30 Dinner
Tuesday, 9 July 2024	Countercurrent SCF Extraction - Comparison and Pros to Conventional Processes (Zetzl, Hamburg/DE)	eak	Innovative Supercritical Separation Processes for Energy and Resource Reduction (Zetzl, Hamburg/DE)	nch Break		ilibria - Modelling alladolid/ES)	cussion & Coffe	and Product Bench Scale	luids in Process Design – From to Pilot Plants , Bochum/DE)	ם Exa		ım 1 Iladolid/ES)	Discussion + 20:30 Dinner
Wednesday, 10 July 2024	Chemical Conversions undre High Pressure (Müller, Bochum/DE)	on & Coffee Br	Mass Transfer Limitations in Multiphase Reactions (Müller, Bochum/DE)	scussion & Lui	Pre	hesis under High ssure Belgrade/RS)	Disc	Supercritical Water Properties & Applications (Cocero, Valladolid/ES)		Discussion &		sentation nts (6)	Discussion + 20:30 Dinner
Thursday, 11 July 2024	How to Design High Pressure Equipment (Schlücker, Erlangen/DE)	Discussio	How to Design High Pressure Equipment (Schlücker, Erlangen/DE)		Transfer to Maribor	Visit		l6:30 IP Lab oor	16:30 - 18:00 tour Maribor		18:00 - 20:00 Dinner Maribor		Transfer to Graz
Friday, 12 July 2024	How to Design High Pressure Equipment (Schlücker, Erlangen/DE)		Hydrogen (Schlücker, Erlangen/DE)		Chemical Rea Be	High Pressure ctions Including nefits armstadt/DE)	Technology i		ressure and SCF a World Scale cess rmstadt/DE)			sentation nts (6)	Discussion + 20:30 Dinner
Saturday, 13 July 2024	SCF Extraction of Solid Materials - Design Criteria from Lab Scale to Industrial Scale Plants (Gamse, Graz/AT)		Tutorials in HP Separation Processes for Process Intensivation (Gamse, Graz/AT)					Time 17:00 Gin Seminar			Free time		
Sunday, 14 July 2024	Free Time												

Monday, 15 July 2024	Kinetics of SCF Extraction of Compounds from Plants and Microalgae (Sovova, Prague/CZ)	Impregnation and Grafting in Supercritical CO ₂ - Challenges and Prospects (Zizovic, Wroclaw/PL)		HP Particle Generation - Pros and Cons to Conventional Processes (Knez, Maribor/SI)		-	HP Enzymatic Processes - Advantages to Organic Solvents (Knez, Maribor/SI)			Oral Presentation Students (6)	Discussion + 20:30 Dinner
Tuesday, 16 July 2024	Transfer to NATEX Prozesstechnologie	Design and Layout of Closure Systems and Sealings for High Pressure Vessels (Lack)		Visit of NATEX ozess-technologie GmbH	Transfer to Innoweld	Vis	isit of INNOWELD Company	Transfer to Gra	az	17:30 - 20:00 Dinner Graz	
Wednesday, 17 July 2024	Extrusion Foaming of Polymers (Sauceau, Albi/FR)	Processing of Aerogels by Supercritical Fluid Technology and their Applications (Gurikov, Hamburg/DE)	Break	Thermodynamic Aspects of Supercritical Fluid Chromatography (Gurikov, Hamburg/DE)		Break	Exam 2		Coffee Break	Oral Presentation Students (6)	Discussion + 20:30 Dinner
Thursday, 18 July 2024	Oral Presentation Students (6)	Application of CO2-Extracts in Food and Cosmetic Industry (Grüner-Lempart, Freising/DE)	ଷ 🛛 🖓 Gas In		ids in the Oil and dustry udapest/HU)	ы Baran & Coffee	From Sampling to Analysis (Perva, Maribor/SI)		Discussion & (Free time	Discussion + 20:30 Dinner
Friday, 19 July 2024	Supercritical Fluid Extraction and Separation of Active Components from Medicinal Plants (Vagi, Budapest/HU)	CO₂ Capture and Utilisation (Nunes, Lisbon/PT)	Disc	Preparation	Final Exam	Disc	Free	time		Free time	20:00 Farewell Dinner
Saturday, 20 July 2024	ESS-HPT Closing Ceremony	Departure									