





Summer School on “Engineering for Sustainability in Lightweight Systems”							
Monday 22 th September		Tuesday 23 th September	Wednesday 24 th September	Thursday 25 th September	Friday 26 th September	Saturday 27 th September	
Summer School attendees' arrival	Morning Session	Performance	Environmental Impact and Circularity	Social Impact and Public Acceptance	Educational Excursion (sponsored by M2BRIDGE)	Summer School attendees' departure	
		Welcome & Registration (08:45-09:15) UPAT secretariat	SDGs and UN goals (09:00-10:30) Dr. Andre Lindner (TUD) Ms. Maike Heitkamp (TUD)	ERC project presentation (9:00-09:30) Prof. George Kampitsis (UPAT)			
		Opening Remarks & Overview (09:15-09:30) Prof. George Lampeas (UPAT) Prof. Pantelis Nikolakopoulos (UPAT) Ms. Maike Heitkamp-Mai (TUD)		Social Life Cycle Assessment: Measuring Social Impact Across Product Life Cycles (09:30-10:30) Dr Tatiana Vakhitova (ANSYS Inc.) Mr. Piers Ireland (ANSYS Inc.)			
		Approaches for a circular design – the basis for value creation (09:30-10:00) Prof. Maik Gude (TUD)					
		Engineering for Sustainability (10:00-10:30) Prof. Angelos Filippatos (UPAT)					
		Coffee Break (10:30-11:00) / Poster Session					
		Performance (cont.)	Environmental Impact and Circularity (cont.)	Projects on Sustainability			
		Composite materials for high performance lightweight systems (11:00-11:30) Prof. Maik Gude(TUD) Dr. Anja Winkler (TUD)	Understanding Life Cycle Assessment (LCA) (11:00-12:00) Dr. Elias Koumoulos (IRES)	Strategic Perspectives Towards a Sustainable University (11:00-11:30) Ms. Maike Heitkamp (TUD)			
		Enhanced sustainability by grading of fibre reinforced structures (11:30-12:00) Dr. Anja Winkler (TUD)		Common research projects of UPAT and TUD – Energy Sector (EURECOMP Project) (11:30-12:00) Robert Kupfer (TUD)			
		The Future of Metals 3D Printing (12:00-12:30) Prof. Efthymios Polatidis (UPAT)	Hands-on workshop on LCA – Part A (12:00-13:00) Robert Kupfer (TUD)	Common research projects of UPAT and TUD – Maritime Projects (12:00-12:30) Mr. Thomas Kalampoukas (UPAT			
		Sustainable design by conscious decision making in product design (12:30-13:00) Dr. Paul Hoffeins (TUD)		The future of long-range flights – EXAELIA project (12:30-13:00) Dr. Dionysios Markatos (UPAT) Dr. Harry Psychoyios (UPAT)			
		Lunch Break (13:00-14:00)					
	Evening Session	‘Break the Ice’ Session (14:00-15:30) ALL	Hands-on workshop on LCA – Part B (14:00-16:00) Robert Kupfer (TUD)	Wrap-up and Certificates (14:00-15:00) Prof. Angelos Filippatos (UPAT) Prof. Maik Gude (TUD)			
		Welcome Dinner & Networking (19:45) Sponsored by M2BRIDGE					
	This event is endorsed by: <div><div>DAAD</div><div>UNIVERSITY OF PATRAS ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΑΣ</div><div>TECHNISCHE UNIVERSITÄT DRESDEN</div><div></div><div>european aerospace science network</div></div>						