AMPEA-E3S Joint Workshop

Economic, environmental and social impact of material research toward clean energy transition

Feb 24, 2022 (online)

Time	Topic	Presenter	Organization
13:00	***Welcome***	*Organization chairs*	
13:05	***JP-AMPEA introduction***	*JPC AMPEA*	
13:15	***JP-E3S introduction***	*JPC E3S*	
Session 1 (chair: to be defined)			
13:25	***Supply risk analysis of silver for solar thermal power plants. An analysis of global value chain***	A.R. Gamara	CIEMAT, ES
13:40	***Implementing sustainability in laboratory activities: A case study on magnetron sputtering deposition synthesis based on Life Cycle Assessment approach***	S. Fiameni	CNR, IT
13:55	***Challenges in the recycling of printed circuit boards in WEEEs***	J.-C. Gabriel	CEA, FR
14:10	***Outlooks and current limitations of tools for sustainability-driven decision-making in manufacturing***	M. Mele	UniBO
14:25	***Coffee/tea break***		
Session 2 (chair: TBD)			
14:35	***Materials and sustainable nuclear energy***	L. Malerba	CIEMAT, ES
14:50	***Net Energy Balance Assessment of a Coupled Photoelectrochemical H2 Production and Hydrogenation Device***	X. Zhang	HZB- GE
15:05	***Consumers' preferences for nanocarbon heating & cooling devices***	M. Thiene	UniPD, IT
15:20	***Citizens, Society and a Future technology for solar fuels and chemicals: Challenges and Potentials***	H. Ottossen	U.Upp, SE
15:35	***Environmental Product Optimisation by Design***	R. Veenstra	U.Gron, NL
15:50	***Break***		
Session 3 (chair: TBD)			
16:05	***Development and socio-technical-economic environmental assessment of innovative materials for exploiting renewable energy sources***	E. Annunziata	SSSA, IT
16:20	***Raw materials for the energy transition: circular approach and sustainability***	L. Cutaia	ENEA, IT
16:35	***H2020 project openENTRANCE (transition scenario to a low carbon future)***	Ing. Graabak	SINTEF, NO
16:50	***Environmental assessment of metal hydride technology for hydrogen storage and compression.***	M. Costamagna	UniTo, IT
17:05	***Wrap-up discussion session***		
17:25	***Closing remarks***		

17:30: end of workshop