

SEABAT 3th ACADEMIC EVENT - AGENDA 14.06.2024

Fraunhofer-Institut für Betriebsfestigkeit und Systemzuverlässigkeit LBF
Bartningstr. 47, 64289 Darmstadt
Building D, 2nd floor, “Großer-Seminarraum-D224”

Time	Dur.	Topic	Presenter
09:30	0:30	Registration and Coffee	
10:00	0:10	Welcome	Eva Stelter (LBF)
10:10	0:15	LBF presentation	Christoph Bleicher (LBF)
10:25	0:20	Introduction to hybrid battery systems for maritime applications – SEABAT	Koen Laurijssen (FLANDERS MAKE)
10:45	0:20	Session A - Components level	Electrical components development for a Hybrid Energy Storage System
11:05	0:10		Q&A
11:15	0:15	Coffee break	
11:30	0:20	Session A - Components level	Thermal management system for marine applications
11:50	0:10		Q&A
12:00	0:20		Module design of the SEABAT battery from the mechanical point of view
12:20	0:10		Q&A
12:30	0:20	Session B – System level	Quantitative battery risk assessment with the probabilistic FMEA
12:50	0:10		Q&A
13:00	0:30	Lunch	
13:30	0:45	Lab tour	
14:15	0:20	Session B – System level	Modular and Scalable: Exploring the Assembly and Integration of a Hybrid Battery System
14:35	0:10		Q&A
14:45	0:20		Studying modern electric systems - unveiling the principles of HIL and Power-HIL simulations
15:05	0:10		Q&A
15:15	0:20		Complete test of SEABAT control architecture using PHIL concept
15:35	0:10		Q&A
15:45	0:15	Closing	