

Session 4.2 Systems engineering for demand-oriented products

Time: Tuesday, 05.09.2023

Location: Humboldtbaubau, Lecture Room HU-202

Chairman: S. Husung (D-Ilmenau)

10:20 - 10:40 a.m. Coffee break and Visits of Expositions	
10:40 a.m.	M. Steck (D-Reutlingen), S. Husung (D-Ilmenau)
Methodical procedure for a surrogate model based fatigue calculation to support the design process of eBike drive units	
11:00 a.m.	D. Gerbet, K. Röbenack (D-Dresden)
On the Observability of Embedded Polynomial Dynamical Systems	
11:20 a.m.	A. Albers, T. Hirschter, J. Fahl, P. Tröster, R. Simon (D-Karlsruhe)
Understanding the variation of physical elements and their impact on properties and functions: a case study on roll stabilization systems	
Elevator Pitches Session 4.2	
11:40 a.m.	R. Watty (D-Ulm)
Buildup of competences for agile product design by means of student projects	
11:45 a.m.	T. Brix, S. Husung, S. Bücker (D-Ilmenau)
Sustainability strategies and their influence on the product development of machine tools and special machines	
12:00 noon – 1:30 p.m. Lunch and Visits of Expositions	
12:00 noon – 1:30 p.m. Poster Session Elevator Pitches	

