

## Session 4.1 Components, systems and materials

Time: Tuesday, 05.09.2023

Location: Humboldtbaubau, Lecture Room HU-201

Chairman: U. Kletzin (D-Ilmenau)

<b>10:20 - 10:40 a.m. Coffee break and Visits of Expositions</b>	
10:40 a.m.	C. Otto, V. Geinitz, U. Kletzin (D-Ilmenau)
FEM simulation of wire drawing	
11:00 a.m.	J. Schleichert, U. Kletzin (D-Ilmenau)
Relaxation behavior of (cylindrical) helical compression Springs	
11:20 a.m.	M. Petrich, T. Weimann, J. Feld, C. Otto, S. Titze, O. Ziems, L. Thein, A. Sauer, U. Kletzin (D-Ilmenau)
Behavior of FRP-Sandwich Structures for Lightweight Composite Springs in Static and Cyclic Load Cases	
11:40 a.m.	D. Lavayen-Farfan, J. Yarasca-Huanacune, J. Rodríguez-Hernández (PE-Lima), J. Butenegro-García, M. López-Boada (ES-Madrid)
On the bending collapse behavior of rectangular hollow steel shapes of various thicknesses	
<b>12:00 noon – 1:30 p.m. Lunch and Visits of Expositions</b>	
<b>12:00 noon – 1:30 p.m. Poster Session</b>	