

Schedule Workshop 6

"Structures - Polyhedra, Meshes, Platforms"

May 13 - 17, 2024

Organizer: Johanna Frischauf, Johannes Siegele

	Monday May 13	Tuesday May 14	Wednesday May 15	Thursday May 16	Friday May 17
09:00 - 9:30	Registration				
9:30 - 10:30	Helmut Stachel From a spatial four-bar to Henrici's flexible hyperboloid	Signe Lundqvist Motions of realisations of hypergraphs	David Pellis Deployable strip structures	Ivan Izmistiev Discrete and semi-discrete Voss surfaces	Manfred Husty From Kinematic Constraints to Singularities, Operation- and Working Modes of Parallel Manipulators
10:30 - 11:00	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
11:00 - 12:00	Daniel Huczala Prototyping in Mechanism Science	Brigitte Servatius On saturated bi-layered disk shaped tetrahedral packings	Georg Nawratil On the design of discrete Voss nets and their generalizations	Kiumars Sharifmoggadam Exploring T-hedral Origami across varied Topologies	11:00-11:30 Zeyuan He An attack on the smooth analogue of flexible quad-meshes: beyond V-hedra and T-hedra
12:00 - 13:30	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	Closing
13:30 - 14:30	Klara Stokes Motions and rigidity of incidence geometries	Gökhan Kiper A Historical Review of Polyhedral Linkages		Rinki Imada Dynamical System Models in Kinematics of Origami Tessellations	
14:30 - 15:30	Keishiro Ueki Deformable octahedral structure based on hinged tessellation	Merve Özkahya Homothetic Jitterbug-like Polyhedral Linkages	14:30 - 17:00 Short hike up the Pöstlingberg with a stop at the Jindrak Café	Seri Nishimoto Exploration of Connecting Artifacts - Polyhedra, Weaving, Scissors structures	
15:30 - 16:00	<i>Coffee Break</i>	<i>Coffee Break</i>		<i>Coffee Break</i>	
16:00 - 17:00	Problem Session	Henry Segerman Mechanisms with one degree of freedom		Klara Mundilova Mathematical Explorations of Curved Crease Origami	
	17:00 Reception		18:30 Schlosscafe Linz		