

# 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	<b>Registration</b>				
9:30 - 10:30	<b>Helmut Stachel</b> From a spatial four-bar to Henrici's flexible hyperboloid	<b>Signe Lundqvist</b> Motions of realisations of hypergraphs	<b>David Pellis</b> Deployable strip structures	<b>Ivan Izestiev</b> Discrete and semi-discrete Voss surfaces	<b>Manfred Husty</b> 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	<b>Daniel Huczala</b> Prototyping in Mechanism Science	<b>Brigitte Servatius</b> On saturated bi-layered disk shaped tetrahedral packings	<b>Georg Nawratil</b> On the design of discrete Voss nets and their generalizations	<b>Kiumars Sharifmoghaddam</b> Exploring T-hedral Origami across varied Topologies	<b>11:00-11:30 Zeyuan He</b> 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>	<b>11:30-12:00</b> <b>Sabetta Matsumoto</b>
13:30 - 14:30	<b>Klara Stokes</b> Motions and rigidity of incidence geometries	<b>Gökhan Kiper</b> A Historical Review of Polyhedral Linkages		<b>Rinki Imada</b> Dynamical System Models in Kinematics of Origami Tessellations	<b>Closing</b>
14:30 - 15:30	<b>Keishiro Ueki</b> Deformable octahedral structure based on hinged tessellation	<b>Merve Özkahya</b> Homothetic Jitterbug-like Polyhedral Linkages	<b>14:00 - 17:30</b> Short hike up the <b>Pöstlingberg</b> with a stop at the <b>Jindrak Café</b>	<b>Seri Nishimoto</b> 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	<b>Problem Session</b>	<b>Henry Segerman</b> Mechanisms with one degree of freedom		<b>Klara Mundilova</b> Mathematical Explorations of Curved Crease Origami	
	<b>17:00</b> <b>Reception</b>		<b>18:30</b> <b>Schlosscafe Linz</b>		