Schedule Workshop 2
"Code of Rigidity"
March 11 - 15, 2024

Organizer: Jan Legerský

	Monday March 11	Tuesday March 12	Wednesday March 13	Thursday March 14	Friday March 15
9:30 - 10:30		**Martin Larsson** Generating Graphs and Solving Polynomial Equation Systems Quickly	**Hakan Guler** * A GUI App For Rigidity	**How should a rigidity software package look like?** *	**Discussions on the package: content and technical aspects in parallel** *
10:30 - 11:00	**Registration & Introduction**	***Coffee Break***	***Coffee Break***	***Coffee Break***	***Coffee Break***
11:00 - 12:00	**Meera Sitharam** A Tour of Algorithms, Complexity, and Code for Geometric Constraint Problems and Applications	**Jose Capco** Efficient Program for Counting Realizations of Laman Graphs	**Matthias Himmelmann** Homotopy Continuation Methods for Equilibration and the Computation of Deformation Paths	**What should the package contain?** *	**Discussions on the package: content meets the technical aspects** *
12:00 - 13:30	***Lunch Break***	***Lunch Break***	***Lunch Break***	***Lunch Break***	**Wrap up session & Good-bye**
13:30 - 14:30	**András Mihálykó** Global rigidity requires hypergraphs	**Ileana Streinu** Geometry and Matter: developing and applying rigidity code		**Louis Theran** * Leaning into rigidity	
14:30 - 15:00	**Péter Madarasi** Efficient implementations of algorithms for finding largest (k,l)-sparse subgraphs	**Joannes Vermant** Counting for rigidity in graphs of groups		**Discussions on Lean** *	
15:00 - 15:30	***Coffee Break***	***Coffee Break***	***15:30 Show Bakery "Jindrak"***	***Coffee Break***	
15:30 - 16:30	**Louis Theran** Good conjectures and proofs from bad rigidity software	**Oliver Clarke** Using toric degenerations to study the algebraic matroid of the Grassmannian		**Discussions on the package/Lean** *	
16:30 - 17:00	**Georg Grasegger** RigiComp - A mathematica package for rigidity computations	**Jan Legerský** * FlexRiLoG - constructing flexible realizations via edge colorings			
	17:00 Reception		***18:30 Dinner at Restaurant Keintzel***		

*** Own laptop might be useful**