

Week 4 of the Thematic Programme on
“Differential Complexes: Theory, Discretization, and Applications”

May 11 - 15, 2026

organized by

Andreas Cap (U of Vienna), Ralf Hiptmair (ETH Zurich), Kaibo Hu (U of Oxford),
Joachim Schöberl (TU Wien)

- **Monday, May 11th, 2026**

09:00 – 09:30 **Registration**

09:30 – 10:45 **Joachim Schöberl (TU Wien)**

Minicourse on “Elasticity and Curvature” by M. Neunteufel and J. Schöberl

Part I: Modeling

10:45 – 11:00 **Coffee Break**

11:00 – 12:00 **Joachim Schöberl (TU Wien)**

Part II: Mixed Methods

12:00 – 14:00 **Lunch Break**

14:00 – 15:15 **Michael Neunteufel (TU Wien)**

Part III: Plates

15:15 – 15:30 **Coffee Break**

15:30 – 16:15 **Hands on exercises with NGSolve**

- **Tuesday, May 12th, 2026**

09:30 – 10:45 **Joachim Schöberl (TU Wien)**

Part IV: Mapping of Vectorfields

10:45 – 11:00 **Coffee Break**

11:00 – 12:00 **Joachim Schöberl (TU Wien)**

Part V: Preconditioning

12:00 – 14:00 **Lunch Break**

14:00 – 15:15 **Michael Neunteufel (TU Wien)**

Part VI: Nonlinear Solids and Shells

15:15 – 15:30 **Coffee Break**

15:30 – 16:15 **Hands on exercises with NGSolve**

- **Wednesday, May 13th, 2026**

09:30 – 10:45 **Michael Neunteufel (TU Wien)**

Part VII: Extrinsic Curvature

10:45 – 11:00 **Coffee Break**

11:00 – 12:00 **Michael Neunteufel (TU Wien)**

Part VIII: Riemann Curvature

12:00 – 14:00 **Lunch Break**

14:00 – 15:00 **Joachim Schöberl (TU Wien)**

Part IX: 2-Complex

15:00 – 15:30 **Coffee Break**

- **Thursday, May 14th, 2026**

09:00 – 17:00 **Public Holiday in Austria**

The ESI will be closed

All talks take place at ESI Boltzmann Lecture Hall!