



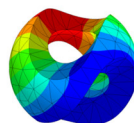
Open-source Scientific Computing in
Structural Dynamics

Summer School Program

August 3rd - 6th, 2026
Garching near Munich, Germany



OASIS Project
Open Acquisition System
for IEPE Sensors



www.opensdgermany.de

Monday, August 3rd 2026

8:30 – 9:00	Registration & Coffee
9:00 – 9:30	Summer School Opening <i>Lecturer: Daniel J. Rixen</i>
9:30 – 10:30	1.1 Python Ecosystem <i>Lecturer: Oliver M. Zobel</i>
10:30 – 11:00	Coffee Break
11:00 – 12:00	1.2 Python Programming Basics <i>Lecturer: Arian Kist</i>
12:00 – 13:30	Lunch Break
13:30 – 14:30	1.3 Essential Python Tools for Engineers <i>Lecturer: Arian Kist</i>
14:30 – 15:30	Lab Tour
15:30 – 16:00	Coffee Break
16:00 – 17:30	1.4 Project and Data Management with GIT <i>Lecturer: Johannes Maierhofer</i>
19:30 – 23:00	Opening Reception at Giesinger Brewery <i>Location: Giesinger Bräu Werk 2, Detmoldstraße 40, 80935 Munich</i>

Tuesday, August 4th 2026

8:30 – 9:00	Registration & Coffee
9:00 – 10:30	2.1 Finite Element Modeling & Numerical Modal Analysis <i>Lecturer: Johannes Maierhofer</i>
10:30 – 11:00	Coffee Break
11:00 – 12:30	2.2 Experimental Modal Analysis Theory <i>Lecturer: Johannes Maierhofer</i>
12:30 – 12:45	Group Photo
12:45 – 14:00	Lunch Break
14:00 – 15:30	2.3 Measurements with OASIS <i>Lecturer: Oliver M. Zobel</i>
15:30 – 16:00	Coffee Break
16:00 – 17:30	2.4 Evaluation of Experimental Modal Analysis Campaign <i>Lecturer: Oliver M. Zobel</i>
20:00 – 23:00	Summer School Dinner at Garchinger Augustiner <i>Location: Freisinger Landstr. 4, 85748 Garching near Munich</i>

Wednesday, August 5th 2026

8:30 – 9:00	Registration & Coffee
9:00 – 10:30	3.1 Frequency-Based Substructuring Theory Part 1 <i>Lecturer: Daniel J. Rixen</i>
10:30 – 11:00	Coffee Break
11:00 – 12:30	3.2 Frequency-Based Substructuring in Python <i>Lecturer: Francesco Trainotti</i>
12:30 – 14:00	Lunch Break
14:00 – 15:30	3.3 Frequency-Based Substructuring Theory Part 2 <i>Lecturer: Daniel J. Rixen</i>
15:30 – 16:00	Coffee Break
16:00 – 17:30	3.4 Virtual Point Transformation with pyFBS <i>Lecturer: Oliver M. Zobel</i>

Thursday, August 6th 2026

8:30 – 9:00	Registration & Coffee
9:00 – 10:30	4.1 Transfer Path Analysis Theory <i>Lecturer: Michael Häußler</i>
10:30 – 11:00	Coffee Break
11:00 – 12:30	4.2 Transfer Path Analysis with pyFBS <i>Lecturer: Francesco Trainotti</i>
12:30 – 12:45	Summer School Closing
12:45 – 14:00	Lunch Break