

Tuesday 02.07.2024:

Morning lecture block

10.00 – 10.30	Prediction of vibro-acoustic sound emissions based on mapped structural dynamics (Wurzinger)
10.30 – 11.00	Modelling and Simulation of the Vibro- and Aeroacoustic Signature of a Centrifugal Fan (Heidegger)
11.00 – 11.30	Comparing outdoor sound propagation simulations based on geometrical and numerical methods (Kraxberger)
11.30 – 12.00	What I have learned in Austria (Sugahara)

Lunch: 12.15 – 13.30

Afternoon lecture block

13.30 – 14.00	Mehrleiterprobleme 1982 – 2024 (Preis)
14.00 – 14.30	Revisiting the Dry Friction-Like Magnetic Vector Hysteresis Model (Sauseng)
14.30 – 15.00	Updates on ferromagnetic material modelling (Roppert)
15.00 – 15.30	<i>Snack and coffee</i>
15.30 – 16.00	Simulation Based Assessment of Electromagnetic Emissions of Electronic Systems (Riener)
16.00 – 16.30	Time domain investigations of reduced order models approximating H-Bridge PCB behaviour based on Darwin formulation (Kvasnicka)
16.30 – 17.00	Near Field Electromagnetic Interference Coupling-Mechanisms of Multilayer Ceramic Capacitors (Kreindl)
17.00 – 17.30	Broadband Modelling of Mutual Coupling between Surface-Mounted Devices (Bauernfeind)

Hiking tour till 19.30

Barbecue: starting at 20.00

Wednesday 3.07.2024

Morning lecture block

8.30 – 9.00	The Magnetoquasistatic H-Formulation (Domenig)
9.00 – 9.30	Inverse Scheme to Locally Determine Nonlinear Magnetic Material Properties (Gschwentner)
9.30 – 10.00	Data driven identification of magnetic permeability in steel sheets (Mušeljčić)
10.00 – 10.30	<i>Snack and coffee</i>
10.30 – 11.00	Explainable machine learning determines potential uncertainty factors related to tube impedance measurements of the sound absorption coefficient (Caizzo)
11.00 – 11.30	Whistling potentiality of pinhole apertures in confined flows (Boysen)
11.30 – 12.00	Acoustic investigation of buckling PMUTs (Mayrhofer)

Lunch: 12.15 – 14.00