

Summer School on BOUNDARY ELEMENT METHODS

	Friday, 24.6.2022	Saturday, 25.6.2022	Sunday, 26.6.2022	Monday, 27.6.2022	Tuesday, 28.6.2022	
9:00-10:30	BIE, mathematical basis (Steinbach)	BEM, mathematical basis (Steinbach)	BEM for dynamic problems: Helmholtz, time domain (Schanz)	BEM for Maxwell (Wolf)	BEM in industrial applications (Rain)	
Break						
11:00-12:30	BIE, mathematical basis (Steinbach)	BEM, mathematical basis (Steinbach)	BEM for dynamic problems: Helmholtz, time domain (Schanz)	BEM for Maxwell (Wolf)	New trends in BEM (Steinbach)	
Lunch						
14:30-16:00	BEM numerical realisation with BEM++, Laplace problem (Betcke)	Basics fast BEM: H-Matrices, ACA, FMM (Betke)	Hike	Equation solver: theory (Steinbach)	Exams (if required)	
Break				Break		
16:30-18:00	BEM numerical realisation with BEM++, Screen problem (Betcke)	Basics fast BEM: H-Matrices, ACA, FMM (Betke)		Equation solver: numerical experience (Steinbach)		
Dinner						
19:30-21:00			Open problems from participants			