

Program

Thursday, September 30, 2010	
15.00–16.20	Coffee
16.20–16.30	Opening
16.30–17.00	S. Hardesty (Houston) Optimization of shell structure acoustics
17.00–17.30	T. Betcke (Reading) Coercivity and numerical range of boundary integral operators
17.30–18.00	D. Lukas (Ostrava) Optimal TBETI for multi-body contact problems
18.00–18.30	G. Unger (Linz) A boundary element method for Laplacian eigenvalue problems
18.30	Dinner
Friday, October 1, 2010	
9.00–9.30	E. P. Stephan (Hannover) Fast solvers for the hp-version boundary element method and applications in electromagnetics
9.30–10.00	L. Weggler (Saarbrücken) Stabilized boundary element formulation for Maxwell
10.00–10.30	S. Engleder (Graz) Boundary element methods for low-frequency Maxwell problems
10.30–11.00	Coffee
11.00–11.30	C. Hofreither (Linz) L_2 error estimates for a BEM-based FEM
11.30–12.00	S. Weisser (Saarbrücken) Adaptive BEM based FEM on general polygonal meshes and residual error estimators
12.00–12.30	M. Feischl (Wien) Convergence of some adaptive FEM–BEM coupling
12.30	Lunch
15.00–15.30	S. Kurz (Tampere) Differential forms and boundary integral equations
15.30–16.00	M. Fleck (Saarbrücken) Discrete electromagnetism of higher polynomial degree
16.00–16.30	Coffee
16.30–17.00	M. Betcke (London) Image reconstruction for real time cone beam CT
17.00–17.30	S. Ferraz-Leite (Wien) A quadratic minimization problem in thin-film micromagnetics: non-local, non-linear, and infinite dimensional
17.30–18.00	M. Windisch (Graz) BETI methods for scattering problems
18.00–18.30	C. Jerez-Hanckes (Zürich) Multiple traces boundary integral formulations for Helmholtz transmission problems
18.30	Dinner

Saturday, October 2, 2010	
9.00–9.30	M. Schanz (Graz) Time domain BEM: Brief overview and trends
9.30–10.00	L. Banjai (Leipzig) Runge–Kutta convolution quadrature: New convergence results and applications to acoustic scattering
10.00–10.30	V. Gruhne (Leipzig) Approximation of convolution weights for 2D and dissipative wave equation
10.30–11.00	Coffee
11.00–11.30	J. Zechner (Graz) Application of hierarchical matrices to a BEM plasticity algorithm in tunneling
11.30–12.00	Ma. Messner (Graz) A fast directional multilevel summation method for oscillatory kernels based on Chebyshev interpolation and adaptive cross approximation
12.00–12.30	P. Urthaler (Graz) Comparison of boundary element methods for magnetostatic field problems
12.30	Lunch
13.30–18.00	Hiking Tour
18.30	Dinner
Sunday, October 3, 2010	
9.00–9.30	M. Karkulik (Wien) Application of interpolation theory to adaptive 3D–BEM
9.30–10.00	L. Raguin (Zürich) Spectral Galerkin method for surface integral equations on nanoparticles in three dimensions
10.00–10.30	N. Talebi (Teheran/Stuttgart) Generalized multipole technique for plasmonic waveguides and resonators: Symmetry considerations
10.30–11.00	Coffee
11.00–11.30	G. Karlis, L. Malinowski (Graz) Iterative coupling of DEM–BEM regions with an overlapping FEM zone
11.30–12.00	O. Steinbach (Graz) Variational inequalities and boundary element methods
12.00	Closing