

GAMM-Workshop on Numerical Linear Algebra and Control Braunschweig, 12./13. September 2003

The workshop takes place in room SN 19.2 ("Altgebäude", Pockelsstraße 4), which is at the corner Schleinitzstraße/Pockelsstraße.

There are entries both from Schleinitzstraße and Pockelsstraße.



Location of the Workshop: SN 19.2

Program

Friday, 12.09.03

9:30 – 10:30	Sabine van Huffel	Numerical Linear Algebra in Computational Biosignal Processing
10:30 – 11:00	Coffee break	
11:00 – 11:30	Herrmann Matthies, Andreas Keese	Parallel Multilevel Solution of Stochastic Matrix Equations
11:30 – 12:00	Emil Catinas	Characterizing the high convergence orders of the successive approximations
12:00 – 12:30	Kolja Elssel	Multilevel Extended Algorithms in Vibrationanalysis in Structural Dynamics on Parallelcomputer Memoryarchitectures
12:30 – 14:00	Lunch	
14:00 – 15:00	Bernd Fischer	Medical Image Registration: A Challenge for Imaging and Numerical Linear Algebra
15:00 – 15:30	Coffee break	
15:30 – 16:00	Alicja Smoktunowicz, Iwona Wrobel	On Improving the Accuracy of Horner's and Goertzel's Algorithms
16:00 – 16:30	Marc Weilbeer	A Problem with a Small Exponential Vandermonde System
16:30 – 17:00	Jens-Peter M. Zemke	(Q)OR Krylov Methods in Finite Precision: Inherent Characteristics
17:00 – 17:30	Jörg Liesen	Convergence Analysis of GMRES for the SUPG Discretized Convection-diffusion Model Problem
17:30 – 18:00	Reinhard Nabben	A comparison of Deflation and Coarse Grid Correction Applied to Porous Media Flow
18:15 – 19:15	GAMM - Activity Group Meeting	
19:30	Dinner	

Saturday, 13.09.03

9:30 – 10:30	Christof Schütte	Numerik und Moleküldynamik: Diskretisierung von Operatoren im $\mathbb{R}^{300}$
10:30 – 11:00	Coffee break	
11:00 – 11:30	Kati Sternberg	Optimization of Chemotherapy
11:30 – 12:00	Viatcheslav Sokolov	On Accuracy in Computational Control Problems
12:00 – 12:30	Daniel Kressner	A two-sided Arnoldi Algorithm for Hamiltonian Matrices
12:30 – 13:00	Volker Mehrmann	Robust Methods for Robust Control
13:00	Lunch	