July 9, 2015

9:30-9:40	Opening	
9:40-10:25	**Plenary 1, Benzi:** Updating and Downdating Techniques for Optimizing Network Communicability	
10:25-10:55	Coffee	
10:55-12:35	**Contributed Session (4), Preconditioning 1** Bosch: *Preconditioning for a Coupled Cahn--Hilliard/Navier--Stokes System* Onwunta: *Block-diagonal preconditioning for optimal control problems constrained by PDE{s} with uncertain inputs* Bräckle: *Combining Similar LS-Systems in Sparse Approximate Inverse Preconditioners* Huckle: *Incomplete Sparse Approximate Decompositions*	**Contributed Session (4), Tensors** Khoromskij: *Towards numerical (multi) linear algebra in logarithmic complexity: QTT tensor approximation of highly-varying functions and operators* Khoromskaia: *Superfast tensor method for grid-based algebraic summation of long range potentials on large 3D lattices* Gautier: *Perron-Frobenius Theorem and Power Method for l^{p_1, ... ,p_m} singular vectors of non-negative Tensors.* Schneider: *Approximation rates of hierarchical tensors for the solution of operator equations*
12:35-14:05	Lunch	
14:05-14:50	**Plenary 2, Tischendorf:** *Structural characterization of eigenvalue problems for network DAEs*	
14:50-15:15	**Contributed Session (1), DAEs** Mehrmann: *Equivalence of general descriptor systems to port Hamiltonian systems*	
15:15-15:45	Coffee	
15:45-17:00	**Contributed Session (3), MatrixEquations/Functions** Schweitzer: *Error Bounds and Estimates for Krylov Subspace Approximations of Stieltjes Matrix Functions* Bujanović: *A Low-Rank Quadratic ADI Algorithm for Algebraic Riccati Equations* Kürschner: *Low-rank approximations of frequency-limited Gramians.*	**Contributed Session (3), Approximation/MOR** Zimmermann: *An Accelerated Greedy Missing Point Estimation Procedure* Sirković: *A Reduced Basis approach to large-scale pseudospectra computation* Kressner: *Low-rank approximation with the Lanczos method*
17:00-18:00	**GAMM ANLA Business Meeting**	
19:00- …	**Conference Dinner at Sichtbar Magdeburg**	

July 10, 2015

9:30-10:15	**Plenary 3, Estrada:** Communicability Geometry of Networks	
10:15-10:45	Coffee	
10:45-12:25	**Contributed Session (4), Eigenvalues** Galgon: *Auto-tuning FEAST-like Projection-based Eigensolvers* Liang: *Variational Principles and their Applications for Hyperbolic Quadratic Eigenvalue Problems* Mach: *An extended Hamiltonian QR algorithm* Shayanfar: *Computing the Newton-Hermite interpolant using the differentiation matrix*	**Contributed Session (4), Preconditioning 2** Le Borne: *H-FAINV: Hierarchically Factored Approximate Inverse* Sokolović: *Multigrid Methods with Tensor Techniques* *Qiu: Multilevel Sequentially Semiseparable Preconditioners and their Applications to Wind Farm Control* Rafiei: *Pivoting strategy for the right-looking version of RIF-Ns preconditioner*
12:25-14:00	Lunch	
14:00-14:50	**Contributed Session (2), Special Matrices** Tudisco: *Finding communities in networks using generalized modularity matrices* Strabić: *Anderson Acceleration of the Alternating Projections Method for Computing the Nearest Correlation Matrix*	**Contributed Session (2), Misc.** Liesen: *Walsh's lemniscatic conformal maps and their applications* Litsarev: *Low-rank computation of the Feynman-Kac path integrals*
14:50-15:00	Closing	