

## NOKO 2019 Program

### Friday, May 24

13:00	-	13:10	Opening
13:10	-	13:40	R. Mißfeldt, Lübeck A higher-order Runge-Kutta type scheme for the strong approximation for SPDEs
13:40	-	14:10	F. Bertrand, Berlin Equilibrated stress approximation and error estimation with application to solid mechanics
14:10	-	14:40	T. Richter, Magdeburg A parallel Newton-multigrid framework for 3d fluid-structure interactions
14:40	-	15:10	Coffee Break
15:10	-	15:40	K. Neymeyr, Rostock How nonnegative matrix factorizations can help to decompose spectral mixture data
15:40	-	16:10	M. Behr, P. Benner, J. Heiland, Magdeburg Differential Riccati Equation, A Galerkin Approach
16:10	-	16:40	K. Wicke, Greifswald Treebased networks -- an example of current research in mathematical phylogenetics
18:00	-	19:00	Guided Tour in Historic Old Town
19:00	-		Dinner at Restaurant "Alter Fritz"

### Saturday, May 25

09:00	-	09:30	K. Mang, Hannover Challenges in phase-field modeling of fractures in incompressible solids
09:30	-	10:00	M. Eden, Bremen Deriving Effective Double-Poroelasticity Models for Heterogeneous Media
10:00	-	10:30	C. Mehlmann, Magdeburg A goal oriented error estimator for partitioned solution approaches in a finite element framework
10:30	-	11:00	Coffee Break
11:00	-	11:30	R. Görmer, Hannover Analysis suitable T-Splines in three space dimensions
11:30	-	12:00	M. Youssef, Greifswald Polynomial Interpolation Using Orthogonal Polynomials
12:00	-	12:30	F. Perner, Greifswald Dynamical Differential Games and their solution concepts with application on pursuit-evasion games
12:30	-	12:40	Closing