

Friday, September 19

- 8:30– 9:15 Registration
- 9:15– 9:30 Welcoming remarks
- 9:30–10:00 Clark Dohrmann, Sandia National Laboratories
The Reinvigoration of a Coarse Space
- 10:00–10:30 Xiao-Chuan Cai, University of Colorado at Boulder
Nonlinear Overlapping Domain Decomposition Methods
- 10:30–11:00 Susanne Brenner, Louisiana State University
Fast Solvers for C^0 Interior Penalty Methods
- 11:00–11:30 Tea/coffee break
- 11:30–12:00 Xuemin Tu, University of California at Berkeley
A Three-level BDDC Algorithm for Saddle Point Problems
- 12:00–12:30 Frédéric Nataf, Université Pierre et Marie Curie, Paris
*Optimal Domain Decomposition Methods
(Neumann-Neumann or FETI Types) for Systems of PDEs*
- 12:30–13:00 Daniel Szyld, Temple University
*Very Fast Convergence of Algebraic Optimizable Schwarz
Methods and Preconditioners*
- 13:00–14:30 Lunch (on your own)
- 14:30–15:00 Hyea Hyun Kim, Chonnam National University, South Korea
*A New FETI-DP Formulation for the Stokes Problem
without Coarse Pressure Components*
- 15:00–15:30 Max Dryja, Warsaw University
*FETI-DP Method for DG Discretization of Elliptic Problems
with Discontinuous Coefficients*
- 15:30–16:00 Marcus Sarkis, Worcester Polytechnic Institute
*FETI-Mortar-Multilevel Preconditioners for the Hessian System
in Elliptic Optimal Control Problems*
- 16:00–16:30 Tea/coffee break
- 16:30–17:00 Oliver Rheinbach, Universität Duisburg-Essen
Extending the Parallel Scalability of FETI Domain Decomposition Methods
- 17:00–17:30 Jing Li, Kent State University
*An Extension of Dual-Primal FETI Methods to a Type of
Fluid-Structure Interaction Problems*
- 17:30–18:00 Ulrich Langer, Johannes Kepler University, Linz
Coupled Data-Sparse Boundary and Interface-Concentrated FETI Methods
- 18:00–22:00 Reception for participants and guests, 13th floor lounge

Saturday, September 20

- 9:00– 9:30 Axel Klawonn, Universität Duisburg-Essen
*Simulations of Arterial Walls Using Dual-Primal FETI
Domain Decomposition Methods*
- 9:30–10:00 Luca Pavarino, University of Milan
Multilevel Schwarz Preconditioners for Cardiac Reaction-Diffusion Models
- 10:00–10:30 Tarek Mathew
*A Computational Basis for Approximating the Conductivity
in Electrical Impedance Tomography*
- 10:30–11:00 Tea/coffee break
- 11:00–11:30 David Keyes, Columbia University
Advancing Energy through Algorithms
- 11:30–12:00 Radek Tezaur, Stanford University
*The Discontinuous Enrichment Method for Multiscale Wave Propagation
and Transport Problems and its Associated Domain Decomposition Solver*
- 12:00–12:30 Barry Smith, Argonne National Laboratory
Software Paradigms for Multi-Physics Solvers
- 12:30–14:00 Lunch (on your own)
- 14:00–14:30 Yves Achdou, Université Paris 7
Trace Results in Ramified Domains with Self-Similar Fractal Boundaries
- 14:30–15:00 Raymond Chan, The Chinese University of Hong Kong
Unified Tight Frame Approach for Missing Data Recovery in Images
- 15:00–16:30 Tea, Coffee, and Poster session, 13th floor lounge
- 16:30–17:00 Barbara Wohlmuth, Universität Stuttgart
Variational Inequalities in Applications and Numerical Solution Strategies
- 17:00–17:30 Yvon Maday, Université Pierre et Marie Curie, Paris
*The Parareal in Time Algorithm for Fast Simulations of Time Dependent
PDEs: Basics Recent Advances and Future Directions*
- 17:30 *Olof's academic family* (Luca Pavarino and David Keyes)
- 19:00–22:00 Banquet at Turkish Kitchen (advanced ticket required)