

CASCADE Computational and Applied Mathematics Seminar

April 5, 2014,

Oregon State University, Corvallis, OR

Presentations

1. Gopalakrishnan, Jay, Portland State, Polynomial Extensions
2. Bokil, Vrushali, OSU MATH, A Spatiotemporal Model for Vectored Transmission of a Plant Pathogen in Grasslands
3. Graf, Isabell, Simon Fraser University, Sap flow in maple trees: Fine view and coarse view
4. Costa, Tim, OSU MATH, Analysis of Jump Conditions for Heterojunction Problems in Semiconductors
5. Preston, Serge, Portland State, Supplementary Balance laws and the Exterior Differential Systems
6. Higdon, Robert, OSU MATH, Discontinuous Galerkin Methods and Ocean Circulation
7. Cheng, Haiyan, Willamette University, Quantify and Reduce Uncertainties to Improve the Model Predictability
8. De Leenheer, Patrick, OSU MATH, Dynamics of the dead
9. Olivares, Nicole, Portland State, Dispersive and Dissipative Errors in the DPG Method With Scaled Norms for Helmholtz Equation
10. McGregor, Duncan, OSU MATH, Dispersion Optimized Edge Elements for 2nd Order Maxwell's Equations
11. Nguyen, Mau Nam, Portland State, Nonsmooth Algorithms and Smoothing Techniques for Location Problems
12. Medina, Patricia, OSU MATH, Hyperbolic systems for adsorption
13. Daescu, Dacian, Portland State, "The observation value in big data assimilation: significance, challenges & research opportunities"
14. Gibson, Nathan, OSU MATH, Polynomial Chaos Approach for Maxwell's Equations in Dispersive Media
15. Owall, Jeff, Portland State, Robust estimates for hp-adaptive approximations of non-self-adjoint eigenvalue problems
16. Vasyukivska, Veronika, OSU MATH, Reliability-constrained Robust Design Optimization for Multi-reservoir River Systems
17. Jiang, Bin, Portland State, Development of RCWA Algorithm and Numerical Simulation of Biomimetic Antireflection Coatings
18. Peszynska, Malgorzata, OSU MATH, Time-stepping for a methane-hydrate model

