

| Adaptivity & Beyond | | | | Schedule | | Schedule as of July 31, 2005 | |
|--------------------------------|----------|--|------------------------|-----------------|---|---|--|
| Wednesday, August 3 | | | | Talk | Name | Title | |
| 08:55 AM | | | Opening Remarks | | Ms Barbara Charlie, Elder of the Squamish Nation | | |
| | 09:20 AM | | | | Manfred Trummer | | |
| 09:20 AM | 09:50 AM | | | 4 | Chris Budd | <i>Who put the r into r-adaptivity?</i> | |
| 09:55 AM | 10:15 AM | | | 17 | Peter Jimack | <i>Anisotropic mesh refinement based upon sensitivity analysis of an a posteriori error estimate</i> | |
| 10:20 AM | 10:40 AM | | | 2 | Mike Baines | <i>Scale invariant moving mesh finite elements</i> | |
| 10:45 AM | 11:15 AM | | Coffee | | | | |
| 11:15 AM | 11:35 AM | | | 9 | Peter Deuffhard | <i>Affine similar convergence theorems for collocation methods</i> | |
| 11:40 AM | 12:00 PM | | | 30 | Weiwei Sun | <i>Collocation-type approximations to hypersingular integrals and hypersingular integral equations</i> | |
| 12:05 PM | 12:25 PM | | | 16 | Rolf Jeltsch | <i>Finite volume methods for partial differential equations with intrinsic constraints</i> | |
| 12:30 PM | 01:55 PM | | Lunch | | | | |
| 02:00 PM | 02:20 PM | | | 34 | Ewa Weinmüller | <i>Adaptive Grid Control for Singular BVPs</i> | |
| 02:25 PM | 02:45 PM | | | 3 | Jean-Paul Berrut | <i>Adaptive point shifts in the linear rational pseudospectral method</i> | |
| 02:50 PM | 03:10 PM | | | 31 | Manfred Trummer | <i>Adaptive Collocation for Boundary Layer Problems with Radial Basis Functions</i> | |
| 03:15 PM | 03:35 PM | | Coffee | | | | |
| 03:40 PM | 04:10 PM | | | 12 | Wayne Enright | <i>An Inexpensive Estimate of Arc Length and its use in Automatic Mesh Refinement</i> | |
| 04:15 PM | 04:35 PM | | | 29 | John Stockie | <i>On the mesh relaxation time in the moving mesh method</i> | |
| 04:40 PM | 05:00 PM | | | 8 | Shaohua Chen | <i>A Simple Moving Mesh Method for Blowup Problems</i> | |
| 07:30 PM | 09:30 PM | | Reception | | | | |
| Thursday, August 4 | | | | | | | |
| 08:00 AM | 08:20 AM | | | 25 | Matthew Piggott | <i>Applications of mesh adaptivity in ocean modelling</i> | |
| 08:25 AM | 08:45 AM | | | 21 | Ian Mitchell | <i>Adaptive Schemes for Static Hamilton-Jacobi</i> | |
| 08:50 AM | 09:10 AM | | | 22 | Adam Oberman | <i>Wide stencil schemes for nonlinear second order elliptic equations</i> | |
| 09:15 AM | 09:35 AM | | Coffee | | | | |
| 09:40 AM | 10:00 AM | | | 24 | Chris Paige | <i>Solving large sparse $Ax=b$: stopping criteria, and GMRES behaviour.</i> | |
| 10:05 AM | 10:25 AM | | | 33 | David Watkins | <i>Solving large Hamiltonian eigenvalue problems</i> | |
| 10:30 AM | 10:50 AM | | | 11 | Timo Eirola | <i>Krylov integrators for Hamiltonian systems</i> | |
| 10:55 AM | 11:15 AM | | Coffee | | | | |
| 11:20 AM | 11:40 AM | | | 23 | Benjamin Ong | <i>A hybrid h-refinement / r-refinement strategy</i> | |
| 11:45 AM | 12:05 PM | | | 18 | Jens Lang | <i>RH-Adaptive Finite Elements</i> | |
| 12:10 PM | 12:30 PM | | | 28 | Bruce Simpson | <i>How Efficient is Adaptive Delaunay Refinement?</i> | |
| 05:15 PM | 09:00 PM | | Dinner Cruise | | | | |
| Friday, August 5 | | | | | | | |
| 08:30 AM | 08:50 AM | | | 14 | Huaxiong Huang | <i>Optimal Control Problems from Finance and Engineering Applications</i> | |
| 08:55 AM | 09:15 AM | | | 10 | Luca Dieci | <i>Construction of smooth SVDs with applications</i> | |
| 09:20 AM | 09:40 AM | | | 32 | Erik Van Vleck | <i>Approximation of Lyapunov and Dichotomy Spectra</i> | |
| 09:45 AM | 10:05 AM | | | 13 | Daryl Hepting | <i>Personalized Adaptive Computational Experimentation</i> | |
| 10:10 AM | 10:45 AM | | Coffee | | | | |
| 10:50 AM | 11:10 AM | | | 15 | Weizhang Huang | <i>A three-dimensional adaptive moving mesh method based on MMPDEs</i> | |
| 11:15 AM | 11:35 AM | | | 7 | Weiming Cao | <i>An interpolation error estimate in R^2 based on anisotropic measure of higher order derivatives</i> | |
| 11:40 AM | 12:00 PM | | | 1 | Uri Ascher | <i>Artificial time and inverse problems</i> | |
| 12:05 PM | 12:25 PM | | | 6 | Antonio Cabal | <i>Mathematics in Industry: Things we don't learn in Graduate School</i> | |
| 12:30 PM | 01:55 PM | | Lunch | | | | |
| 02:00 PM | 02:20 PM | | | 5 | Chris Budd | <i>Moving meshes help your digestion</i> | |
| 02:25 PM | 02:45 PM | | | 19 | Colin Macdonald | <i>High-Order Embedded Runge-Kutta Pairs for the Time Evolution of Hyperbolic Conservation Laws</i> | |
| 02:50 PM | 03:10 PM | | | 20 | Tatiana Marquez Lago | <i>Numerical estimation of progesterone transcriptional activity in the EGFR pathway using Chemcell</i> | |
| 03:15 PM | 03:30 PM | | Coffee | | | | |
| 03:30 PM | 03:50 PM | | | 26 | Satish Reddy | <i>Pricing and Risk Analysis of Financial Instruments</i> | |
| 03:55 PM | 04:15 PM | | | 27 | Juan Restrepo | <i>Shallow Waves in an Evolving Basin</i> | |
| 07:00 PM | 11:00 PM | | Pub Night | | | | |