

Sunday, 4 December 2011

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| 18:30-20:15 | Welcoming Reception and Early Registration | <u>Wonderland, NTT</u> |
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Monday, 5 December 2011

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| 08:30 | Registration and Morning Tea | | <u>Lam Woo Int'l Conf. Centre</u> |
| 08:45-09:30 | Opening Ceremony Group Photo | | <u>WLB103</u> |
| 09:30-10:15 | Plenary Session: Chair: Zhongci Shi 09:30 Nicholas Zabaras <i>Multi-Output Local Gaussian Process Regression for the Solution of Stochastic PDEs</i> | | <u>WLB103</u> |
| 10:15-10:45 | Coffee Break | | <u>Lam Woo Int'l Conf. Centre</u> |
| 10:45-12:15 | Plenary Session: Chair: Ian H. Sloan 10:45 Song Jiang <i>Recent Progress in Existence Theory for the 3D Steady Compressible Navier-Stokes Equations</i> 11:30 Peter Jimack <i>Development and Application of Efficient and Reliable Numerical Tools for the Simulation of Multiscale Phase-Change Problems</i> | | <u>WLB103</u> |
| 12:15-13:50 | Welcome Lunch | | <u>Renfrew Seafood Restaurant</u> |
| 14:00-15:10 | <u>WLB103</u> Chair: Aihua Wood 14:00 Jichun Li 14:30 Liping Gao 14:50 Xia Ji | <u>WLB104</u> Chair: Song Jiang 14:00 Ming-Chih Lai 14:30 Yana Di 14:50 Haijun Yu | <u>WLB109</u> Chair: Peter Jimack 14:00 Andreas Karageorghis 14:30 Chi-Tien Lin 14:50 Hehu Xie |
| 15:10-15:40 | Coffee Break | | <u>Lam Woo Int'l Conf. Centre</u> |
| 15:40-16:50 | <u>WLB103</u> Chair: Jichun Li 15:40 Aihua Wood 16:10 Joshua Du 16:30 Hongwei Li | <u>WLB104</u> Chair: Zhilin Li 15:40 Gustaaf Jacobs 16:10 Changhui Yao 16:30 Chensi Huang | <u>WLB109</u> Chair: Peijun Li 15:40 Yuhe Ren 16:10 Zhi-Qiang Shao 16:30 Tao Cui |

Tuesday, 6 December 2011

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| 08:30 | Morning Tea | | | <u>Lam Woo Int'l Conf. Centre</u> |
| 08:45-10:15 | Plenary Session: Chair: Nicholas Zabaras 08:45 Qiang Du <i>Analysis and Approximations of Nonlocal Diffusion and Peridynamic Models</i> 09:30 George Karniadakis <i>Stochastic Modeling in High Dimensions</i> | | | <u>WLB103</u> |
| 10:15-10:45 | Coffee Break | | | <u>Lam Woo Int'l Conf. Centre</u> |
| 10:45-12:15 | <u>WLB103</u> Chair: Haijun Wu 10:45 Ya Yan Lu 11:15 Bo Zhang 11:45 Jari Toivanen | <u>WLB104</u> Chair: George Karniadakis 10:45 Pierre Gremaud 11:15 Dongbin Xiu 11:45 Zhilin Li | <u>WLB109</u> Chair: Ming-Chih Lai 10:45 Ziqing Xie 11:15 Kazufumi Ito 11:45 Juan Cheng | |
| 12:15-13:20 | Light Lunch | | | |
| 13:30-15:00 | Plenary Session: Chair: Qiang Du 13:30 Patrick Joly <i>Modelling of Time Domain Electromagnetic Wave Propagation in Heterogeneous Lossy Coaxial Cables</i> 14:15 Yunqing Huang <i>The Approximations from Below for Eigenvalues of Elliptic Operators by Nonconforming Finite Element Methods</i> | | | <u>WLB103</u> |
| 15:00-15:30 | Coffee Break | | | <u>Lam Woo Int'l Conf. Centre</u> |
| 15:30-17:00 | <u>WLB103</u> Chair: Patrick Joly 15:30 Peijun Li 16:00 Xinming Wu 16:20 Xiufang Feng 16:40 Chenliang Li | <u>WLB104</u> Chair: Yunqing Huang 15:30 Zhijun Tan 15:50 Wanrong Cao 16:10 Liwei Xu 16:30 Yang Bai | <u>WLB109</u> Chair: Shoufu Li 15:30 Jennifer Ryan 16:00 Zhanwen Yang 16:20 Hui Liang 16:40 Boumediene Chentouf | |

Wednesday, 7 December 2011

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| 08:30 | Morning Tea | | <u>Lam Woo Int'l Conf. Centre</u> |
| 08:45-10:15 | Plenary Session: Chair: Hermann Brunner 08:45 Arieh Iserles <i>On Multiscale Splittings of the Exponential</i> 09:30 Evelyn Buckwar <i>Stability Issues for Numerical Methods for SDEs</i> | | <u>WLB103</u> |
| 10:15-10:45 | Coffee Break | | <u>Lam Woo Int'l Conf. Centre</u> |
| 10:45-12:15 | <u>WLB103</u> Chair: Hermann Brunner 10:45 Arvet Pedas 11:15 Kassem Mustapha 11:45 Shoufu Li | <u>WLB104</u> Chair: Kazufumi Ito 10:45 Adi Ditkowski 11:15 Weiyang Zheng 11:45 Haijun Wu | <u>WLB109</u> Chair: Leevan Ling 10:45 Yanping Chen 11:15 Heyu Wang 11:35 Ka Chun Cheung 11:55 Saeed Pishbin |
| 12:15-13:20 | Light Lunch | | |
| 13:30-15:00 | Plenary Session: Chair: Evelyn Buckwar 13:30 Stig Larsson <i>Finite Element Approximation of Stochastic Evolution Problems</i> 14:15 Gennadi Vainikko <i>Cordial Volterra Integral Equations and ODE Systems with Singularities</i> | | <u>WLB103</u> |
| 15:00-15:30 | Coffee Break | | <u>Lam Woo Int'l Conf. Centre</u> |
| 15:30-17:30 | <u>WLB103</u> Chair: Arieh Iserles 15:30 Xuenian Cao 16:00 Jingtang Ma 16:30 Ran Zhang 17:00 William Mclean | <u>WLB104</u> Chair: Yanping Lin 15:30 Hongjoong Kim 15:50 Palanikumar Shunmugaraj 16:10 Ravshan Ashurov 16:40 Kishore Kumar Naraparaju 16:50 Ali Tavakoli | |
| 18:30 | Banquet | | <u>Royal Plaza Hotel</u> |

Thursday, 8 December 2011

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|--------------------|-------------------------|--|-----------------------------------|
| 08:30 | Morning Tea | | <u>Lam Woo Int'l Conf. Centre</u> |
| 08:45-10:15 | Plenary Session: | | <u>WLB103</u> |
| | Chair: Raymond Chan | | |
| | 08:45 | Roger Ghanem | |
| | | <i>Reduced Order Models for Stochastic PDEs</i> | |
| | 09:30 | Wai Sun Don | |
| | | <i>High Order Weighted Essentially Non-Oscillatory WENO-Z schemes for Hyperbolic Conservation Laws and its Application to Shock-Particle Laden Flows</i> | |
| 10:15-10:45 | Coffee Break | | <u>Lam Woo Int'l Conf. Centre</u> |
| 10:45-12:05 | <u>WLB103</u> | <u>WLB104</u> | |
| | Chair: Michael Ng | Chair: Dongbin Xiu | |
| | 10:45 Hiller Tal-Ezer | 10:45 Zhengru Zhang | |
| | 11:15 Zhi-Zhong Sun | 11:15 Dongyang Shi | |
| | 11:45 Liangyue Ji | 11:45 Vivek Tiwari | |
| 12:05-13:20 | Light Lunch | | |
| 13:30-14:15 | Plenary Session: | | <u>WLB103</u> |
| | Chair: Roger Ghanem | | |
| | 13:30 | Donald Estep | |
| | | <i>A Computational Approach for Inverse Sensitivity Problems Using Set-Valued Inverses and Measure Theory</i> | |
| 14:15-14:30 | Coffee Break | | <u>Lam Woo Int'l Conf. Centre</u> |
| 14:30-16:00 | Plenary Session: | | <u>WLB103</u> |
| | Chair: Tao Tang | | |
| | 14:30 | Jean-Claude Nedelec | |
| | | <i>Variational Forms for the Inverses of Integral Logarithmic Operators Over an Interval</i> | |
| | 15:15 | Ian H. Sloan | |
| | | <i>PDE with Random Coefficients as a High Dimensional Problem</i> | |
| 16:00 | SCPDE Closing | | |