

The Second HKSIAM Biennial Meeting

Monday, 28th August 2023

8:30 - 9:00	Registration and Welcome Talk				
9:00 - 10:40	Plenary Session LT1	Bjorn Engquist Global convergence in unconstrained stochastic optimization			
	Chair: Jun Zou	Masahiro Yamamoto Recent results on uniqueness and stability for inverse problems for parabolic, Schrödinger and hyperbolic equations			
10:40 - 11:00	Coffee Break				
11:00 - 12:30	MS01, Room 201	MS12, Room 202	MS14, Room 203	MS17, Room 209A	MS11, Room 209B
	Yayan Lu	Xiaochuan Tian	Huibin Chang	Lina Zhao	David Gu
	Yi Zhu	Xiaobo Yin	Faming Fang	Kyungkeun Kang	Na Lei
	Guochuan Thiang	Yufeng Nie	Jun Liu	Seungchan Ko	Xiaoqun Zhang
12:30 - 14:30	Lunch Break				
14:30 - 15:20	Plenary Session LT1 Chair: Bjorn Engquist	Jong-Shi Pang On the minimization of piecewise functions: pseudo stationarity			
15:20 - 15:50	Coffee Break				
15:50 - 17:50	MS03, Room 201	MS04, Room 202	MS07, Room 203	MS11, Room 209A	MS13, Room 209B
	Jing Zhang	Zhi Zhou	Jiang YANG	Min Zhang	Andrej Brojatsch
	Yiqing Lin	Dong Wang	Beiping Duan	Gunay Dogan	Andreas Hauptmann
	Leonard Wong	Junxiong Jia	Seungchan Ko	Emil Saucan	Zeljko Kereta
	Shuoqing Deng	Marco Inglesia	Zhi Zhou		Remo Kretschmann

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9:00 - 10:40	Plenary Session LT1	Barbara Wohlmuth Multi-physics models with mixed dimensions: Bio-medical and seismic applications			
	Chair: Qiang Du	Zuowei Shen Deep Approximation via Deep Learning			
10:40 - 11:00	Coffee Break				
11:00 - 12:30	MS02, Room 201	MS06, Room 202	MS12, Room 203	MS14, Room 209A	MS15, Room 209B
	Atsushi Kawamoto	Shubin Fu	James Scott	Qiyu Jin	Xue Jiang
	Zhiyuan Li	Changqing Ye	Jieqiong Zhang	Zhi LI	Xiaokai Yuan
		Shan Jiang	Kuang Huang	Meng Ding	Maohui Lyu
12:30 - 14:30	Lunch Break				
14:30 - 15:20	Plenary Session LT1	Habib Ammari Mathematical foundations of subwavelength physics			
	Chair: Barbara Wohlmuth				
15:20 - 15:50	Coffee Break				
15:50 - 17:50	MS04, Room 201	MS07, Room 202	MS17, Room 203	MS09, Room 209A	MS10, Room 209B
	Tim Jahn	Kai Zhang	Yong Yu	In-Jee Jeong	Min Tang
	Sui Tang	Yonglin Li	Shu Ma	Donghyun Lee	Shuai Su
	Lingyun Qiu	Wei Gong	Hantaek Bae	Jinmyoung Seok	Chunmei Su
	Tianhao Hu	Shengfeng Zhu	Qiqi Rao	Young-Pil Choi	Jie Du

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Wednesday, 30th August 2023

9:00 - 10:40	Plenary Session LT1	Qiang Du Nonlocal models on bounded domains: formulation, analysis and computation				
	Chair: Habib Ammari	Mete Soner Eikonal Equations on Wasserstein Spaces				
10:40 - 11:00	Group Photo + Coffee Break					
11:00 - 12:30	MS01, LT1	MS02, 201	MS04, 202	MS11, 203	MS12, 209A	MS16, 209B
	Sanghyeon Yu	Michel Cristofol	Ye Zhang	Haixia Liu	Jiwei Zhang	Shuting GU
	Bryn Davies	Shumin Li	Yuling Jiao	Xiaohao Cai	Zuoqiang Shi	Li Shan
	Jiayu Qiu		Fengru Wang	Daoping Zhang		Shuonan Wu
12:30 - 14:30	Lunch Break					
14:30 - 19:00	Free Afternoon					
	HKSIAM Bi-Annual Meeting (15:30-17:30 LT1A)					
19:00 - 21:00	Banquet					

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Thursday, 31st August 2023

9:00 - 9:50	Plenary Session LT1 Chair: Jan Hesthaven	Chi-Wang Shu Inverse Lax-Wendroff Procedure for Numerical Boundary Conditions			
9:50 - 10:20	Coffee Break				
10:20 - 12:20	MS01, Room 201	MS03, Room 202	MS04, Room 203	MS09, Room 209A	MS10, Room 209B

Ludovic Tangpi	Jun Lai	Ruchi Guo	Jin Woo Jang	Kailiang Wu
Chao Zhou	Tao Yin	Wenbin Li	Gyoungun Ko	Yong Liu
Camilo Hernandez	Wangtao Lu	Xiliang Lu	Tak Kwong Wong	Qian Huang
	Erik Orvehed Hiltunen	Guozhi Dong	Seok-Bae Yun	Liwei Lu

12:30 - 14:30	Lunch Break				
14:30 - 15:20	Plenary Session LT1 Chair: Mete Soner	Kai King Chan Application of Mathematical Geometric Analysis on Pavement Defect Detection			
15:20 - 15:50	Coffee Break				
15:50 - 17:50	MS03, Room 201	MS05, Room 202	MS16, Room 203	MS10, Room 209A	MS08, Room 209B

Alex Tse	Bastian von Harrach	Xingding Chen	Haijin Wang	Tao Xiong
Yufei Zhang	Yifeng Xu	Shubin Fu	Qi Tao	Chang Yang
Yunzhang Li	Yi-Hsuan Lin	Ying Yang	Hui Yu	Shengtong Liang
Chenchen Mou	Siyu Cen	Haibiao Zheng	Jiwei Li	Yiwen Lin

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Friday, 1st September 2023

9:00 - 9:50	Plenary Session LT1 Chair: Chi-Wang Shu	Jan Hesthaven Neural Networks as Closure Models			
9:50 - 10:20	Closing Ceremony + Coffee Break				
10:20 - 12:20	MS08, Room 201	MS09, Room 202	MS05, Room 203	MS15, Room 209A	MS18, Room 209B
	Kunlun Qi	Gayoung An	Kwancheol Shin	Lei Zhang	Chenglong Bao
	Xiaoqian Xu	Sungbin Park	Daijun Jiang	Kristoffer Linder-Steinlein	Huangxin Chen
	Xuda Ye	Gi-Chan Bae	Jiahua Jiang	Jose Pinto	Hao Luo
		Beomjun Choi	Chang Min Hyun	Bo Wang	Sam Reynolds
12:30 - 14:30	Lunch Break				
14:30 - 16:30	MS06, Room 201	MS14, Room 202	MS16, Room 203	MS18, Room 209A	MS19, Room 209B
	Yat Tin Chow	Zhi-Feng Pang	Chen Cui	Bin Shi	Jinqiao Duan
	Yi Yu	Youwei Wen	Jie Peng	Jingrong Wei	Ting Gao
	Fuchen Chen	Tingting Wu	Feng Wang	Yuan Yao	Lihu Xu
	Sai-Mang Pun	Ke Yin	Junxian Wang	Xinyuan Zhao	Xiaopeng Chen