

Taiwan-Japan Joint Conference on Inverse Problems and Related Topics

2015 台灣日本逆問題及相關課題聯合研討會

Time: Nov. 21 (Sat.) to Nov. 23 (Mon).      Venue: Lecture Room 202 Astro. Math

2015 \_\_\_\_\_

Building.

National Taiwan University

Nov 21 (Sat)	
8:20-8:50	Registration
8:50-9:00	Opening
9:00-9:50	Wen-Yih Isaac Tseng 曾文毅 <b>Diffusion MRI of complex axonal fibers</b>
9:50-10:10	Break
10:10-10:40	Shinpei Okawa 大川晋平 {Fundamental studies on quantitative biomedical photoacoustic imaging}
10:40-11:10	Matthew Lin 林敏雄 Inverse Data Recovery and Its Application
11:10-11:30	Break
11:30-12:00	Koh Hashimoto 橋本 康 An iterative reconstruction method for optical tomography and detection of tumor in human neck
12:00-12:30	Chun-Kong Law 羅春光 A trigonometric identity related to an inverse spectral problem on graphs
12:30-14:00	Lunch
14:00-14:50	Pengwen Chen 陳鵬文 FOURIER PHASE RETRIEVAL WITH A SINGLE MASK BY DOUGLAS-RACHFORD ALGORITHM.
14:50-15:10	Break
15:10-15:40	Naoshi Nishimura 西村直志

	Determining scatterers using topological optimisation methodology and boundary integral method for wave equation in 3D
15:40-16:10	Yu-Cheng Shu 舒宇宸 Applications of the Signals Recorded by Infrared Fingertip Devices
16:10-16:30	Break
16:30-17:00	Daisuke Kawagoe 川越大輔 TBA
17:00-17:30	Kuo-Ming Lee 李國明 Inverse scattering problem from an impedance crack
17:30-18:00	Hiroshi Fujiwara 藤原宏志 Development of Multiple-Precision Arithmetic on MATLAB for Numerical Computations of Ill-Posed Problems
18:30	Reception (水源會館)

Nov 22 (Sun)	
9:00-9:50	Tomoyuki Higuchi 樋口知之 Data Assimilation: Challenge for Big Data through Numerical Simulation
9:50-10:10	Break
10:10-10:40	Ching-Lung Lin 林景隆 Unique continuation property for the anomalous diffusion
10:40-11:10	Hiroshi Kato 加藤博司 Data Assimilation for Aeronautical Fluid Analysis
11:10-11:30	Break
11:30-12:00	Lunghui Chen 陳隆暉 On the Interior Transmission Problem and Its Applications
12:00-12:30	Ryuji Endo 遠藤龍司

	TBA
12:30-14:00	Lunch
14:00-14:50	Masahiro Yamamoto 山本昌宏 TBA
14:50-15:10	Break
15:10-15:40	Gi-Ren Liu 劉聚仁 Phase retrieval problem with random illumination
15:40-16:10	Hitoshi Imai 今井仁司 Numerical computation for checking smoothness
16:10-16:30	Break
16:30-17:00	Yi-Cheng Hsu 徐義程 Significant feed-forward connectivity revealed by high frequency components of BOLD fMRI signals
17:00-17:30	Yuusuke Iso 磯 祐介 TBA
17:30-18:00	Yi-Hsuan Lin 林奕亘 Strong Unique Continuation for a Residual Stress System with Gevrey Coefficients
18:00-18:10	Closing
18:40	Banquet (invited only)

The total number of speakers is 4 (50-min)+18 (30-min).

\*\* Schedule of Nov. 23 (Mon.)

- Academic visit of Palace Museum (Japanese participants)
- Free Discussion (1:30 p.m.-4:30 p.m.)

\*\* Prof. Takaaki Nishida will give a Special Lecture on Nov. 23 (Monday) 4:30

PM-5:30PM at NCTS, 2F, Astro. Math Building, National Taiwan University.

