

2008 台灣-日本逆問題聯合研討會

2008 Taiwan-Japan Joint Workshop on Inverse Problem

Time: Nov. 29 (Sat.) to Dec. 1 (Mon.), 2008 Location: Institute of Mathematics, Academia Sinica

November 29 (Saturday)

8:45~ Registration

09:15~09:30 Opening: Professor Tai-Ping Liu 劉太平

Chairman: Professor Tai-Ping Liu 劉太平

09:30~10:15 Prof. Yuusuke ISO 磯 祐介 (京都大学Kyoto University)

100 and more digits challenge for numerical treatments of ill-posed problems

10:15~11:00 Prof. Hitoshi IMAI 今井 仁司 (德島大学University of Tokushima)

On some difficulties in application of IPNS to inverse problems

11:00~11:15 Tea Break

Chairman: Professor Shiro KUBO 久保 司郎

11:15~12:00 Prof. Chin-Tien Wu 吳金典 (交通大學Chiao Tung University)

Reconstruction of inclusions in an elastic body

12:00~13:30 Lunch

Chairman: Professor Yuusuke Iso 磯 祐介

13:30~14:30 Prof. Ming-Chih Lai 賴明治 (交通大學Chiao Tung University)

Numerical methods for the simulations of two-dimensional dry foam and the motion of inhomogeneous grain boundaries

14:30~15:30 Prof. Shiro KUBO 久保 司郎 (大阪大学Osaka University)

Identification of Cracks and Defects by the Passive/Active Electric Potential CT Method

15:30~15:45 Tea Break

Chairman: Professor Ming-Chih Lai 賴明治

15:45~16:30 Dr. Shohei KIDERA 木寺 正平 (京都大学Kyoto University)

Extended Imaging Algorithms for Super-Resolution Radar Techniques

16:30~17:15 Prof. Ching-Lung Lin 林景隆 (成功大學Cheng Kung University)

Quantitative uniqueness for second order elliptic operators with strongly singular coefficients

17:15~17:45 Prof. Kuo-Ming Lee 李國明 (中正大學Chung Cheng University)

A linearized second order Newton's method in inverse scattering

17:45~18:15 Dr. Sei Nagayasu 永安聖 (台灣大學Taiwan University)

A reconstruction formula for an inverse problem for a one-dimensional multilayer medium

November 30 (Sunday)

Chairman: Professor Yutaka YAMAMOTO 山本 裕

09:00~09:45 Prof. I-Liang Chern 陳宜良 (台灣大學Taiwan University)

Coupling interface method and its applications

09:45~10:30 Prof. Naoshi NISHIMURA 西村 直志 (京都大学Kyoto University)

Recent developments of boundary integral equation methods for elastodynamics in time domain

10:30~10:45 Tea Break

Chairman: Professor Jenn-Nan Wang 王振男

10:45~11:30 Prof. Yueh-Cheng Kuo 郭岳承 (高雄大學University of Kaohsiung)

Solvability of regular pencils for quadratic inverse eigenvalue problems

11:30~12:30 Prof. Yutaka YAMAMOTO 山本 裕 (京都大学Kyoto University)

Digital signal processing via sampled-data control: a tutorial from sampled-data theory to signal processing (I)

12:30 Group Photo

12:40~14:00 Lunch

Chairman: Professor Naoshi NISHIMURA 西村 直志

14:00~15:00 Prof. Yutaka YAMAMOTO 山本 裕 (京都大学Kyoto University)

Digital signal processing via sampled-data control: a tutorial from sampled-data theory to signal processing (II)

15:00~15:45 Prof. Weichung Wang 王偉仲 (台灣大學 Taiwan University)

Surrogates for Costly and Complicated Response Surfaces in Computer Experiments

15:45~16:00 Tea Break

Chairman: Professor I-Liang Chern 陳宜良

16:00~16:45 Prof. Shinichi URAYAMA 浦山 慎一 (京都大学Kyoto University)

Inverse problems in MRI physics, which I want to know the solutions

16:45~17:30 Prof. Chung-Tsun Shieh 謝忠村 (淡江大學Tamkang University)

Inverse nodal and inverse spectral problems for discontinuous boundary value problems

December 01 (Monday)

Chairman: Professor Kazumi TANUMA 田沼 一実

09:00~10:00 Prof. Takashi TAKIGUCHI 滝口 孝志 (防衛大学校National Defense Academy of Japan)

Problems on uniqueness for the Radon transform

10:00~11:00 Prof. Shih-Hsien Yu 尤釋賢 (新加坡大學National Singapore University)

TBA

11:00~11:15 Tea Break

Chairman: Professor Hitoshi IMAI 今井 仁司

11:15~12:00 Prof. Hiroshi FUJIWARA 藤原 宏志 (京都大学Kyoto University)

Numerical Real Inversion of the Laplace Transform

12:00~13:30 Lunch

Chairman: Professor Jyh-Hao Lee 李志豪

13:30~14:30 Prof. Kazumi TANUMA 田沼 一実 (群馬大学Gunma University)

Perturbation and dispersion of Rayleigh waves in prestressed anisotropic elastic media

14:30~15:30 Prof. Yin-Tzer Shih 施因澤 (中興大學Chung-Hsing University)

New implementation of elliptic systems method for time dependent diffusion tomography with novel boundary treatment for back reflected and transmitted data

15:30~ Closing: Prof. Yuusuke Iso 磯 祐介, Prof. I-Liang Chern 陳宜良