

2010 非線性分析與最優化研討會

2010 Workshop on Nonlinear Analysis and Optimization

Department of Mathematics
National Taiwan Normal University
November 24-26, 2010

● Foreign Speakers

1. **Prof. Xiaojun Chen**, Department of Applied Mathematics, The Hong Kong Polytechnic University.
2. **Prof. Chek Beng Chua**, Department of Mathematical Sciences, Nanyang Technological University, Singapore.
3. **Prof. Jong-Soo Jung**, Department of Mathematics, Dong-A University, Korea.
4. **Prof. Do Sang Kim**, Department of Applied Mathematics, Pukyong National University, Korea.
5. **Prof. Defeng Sun**, Department of Mathematics, National University of Singapore, Singapore.
6. **Prof. Wataru Takahashi**, Tokyo Institute of Technology & Keio University, Japan

● Local Speakers

1. 李是男教授 (Shyh-Nan Lee), 中原大學應用數學系。
2. 林來居教授 (Lai-Jiu Lin), 彰化師範大學數學系。
3. 苗新河博士 (Xinhe Miao), 天津大學數學系&台灣師範大學數學系。
4. 侯瑞琳教授 (Juei-Ling Ho), 台南應用科技大學財金系。
5. 徐洪坤教授 (Hong-Kun Xu), 中山大學應用數學系。
6. 許瑞麟教授 (Ruey-Lin Sheu), 成功大學數學系。
7. 陳慧如博士 (Hui-Ju Chen), 成功大學數學系。
8. 陳鵬文教授 (Peng-Wen Chen), 台灣大學數學系。
9. 黃延安教授 (Yan-An Hwang), 東華大學應用數學系。
10. 黃淑琴教授 (Shue-Chin Huang), 東華大學應用數學系。
11. 張毓麟教授 (Yu-Lin Chang), 台灣師範大學數學系。
12. 賴漢卿教授 (Hang-Chin Lai), 中原大學應用數學系。
13. 龐金宗教授 (Chin-Tzong Pang), 元智大學資訊管理學系。

● Sponsors

College of Science, National Taiwan Normal University.

Mathematics Division, National Center for Theoretical Sciences, (Taipei Office).

● Organizers

施茂祥 (Mau-Hsiang Shih), E-Mail: mhshih@math.ntnu.edu.tw

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● Place

台北市文山區汀州路四段八十八號台灣師大數學系 M210

November 24, Wednesday

09:10-09:50 Prof. Defeng Sun (孫德鋒)

An introduction to a class of matrix cone programming

09:50-10:30 Prof. Peng-Wen Chen (陳鵬文)

A novel kernel correlation model with the correspondence estimation

10:50-11:30 Prof. Lai-Jiu Lin (林來居)

Variational relation problems and equivalent forms of generalized Fan-Browder fixed point theorems with applications to Stampacchia equilibrium problems

11:30-12:10 Prof. Chin-Tzong Pang (龐金宗)

Asymptotic stability of interval systems

Lunch Break

14:00-14:40 Prof. Jong-Soo Jung

Some results on a general iterative method for κ -strictly pseudo-contractive mappings

14:40-15:20 Prof. Shyh-Nan Lee (李是男)

Large maximal IC-colorings for $K_{1,m,n}$

15:40-16:20 Prof. Juei-Ling Ho (侯瑞琳)

A combinatorial fixed point theorem in Boolean algebra

16:20-17:00 Prof. Do Sang Kim

Duality relations for nondifferentiable fractional multiobjective programming problems

November 25, Thursday

09:10-09:50 Prof. Wataru Takahashi

Fixed point and nonlinear ergodic theorems for generalized hybrid mappings

09:50-10:30 Prof. Xiaojun Chen (陳小君)

Nonsmooth, nonconvex optimization with applications

10:50-11:30 Prof. Chek Beng Chua (蔡哲明)

Target-following framework for symmetric cone programming

11:30-12:10 Prof. Ruey-Lin Sheu (許瑞麟)

Duality and solutions for quadratic programming over single non-homogeneous quadratic constraint

Lunch Break

14:00-14:40 Prof. Hang-Chin Lai (賴漢卿)

Complex minimax programming with complex variables

14:40-15:20 Prof. Shue-Chin Huang (黃淑琴)

A hybrid extragradient method for asymptotically strict pseudo-contractions in the intermediate sense and inverse-strongly monotone mappings

15:40-16:20 Prof. Yan-An Hwang (黃延安)

Consistency of the Hirsch-index

16:20-17:00 Prof. Hong-Kun Xu (徐洪坤)

Stochastic Fejer-monotonicity and its applications

November 26, Friday

09:10-09:50 Prof. Yu-Lin Chang (張毓麟)

Stationary point conditions for the FB merit function associated with symmetric cones

10:00-10:40 Dr. Xinhe Miao (苗新河)

The column-sufficiency and row-sufficiency of the linear transformation on Hilbert spaces

10:50-11:30 Dr. Hui-Ju Chen (陳慧如)

Convergence rate analysis on interval-type algorithms for generalized fractional programming