

Official Program of Annual International Workshop on Nonlinear Analysis and Convex Analysis

KYOTO UNIVERSITY

Oiwake-chou Kita-Shirakawa, Sakyou-ku, Kyoto-shi

This Workshop is officially approved by Kyoto University and financially supported by Research Institute for Mathematical Sciences attached to Kyoto University.

Directed by Wataru Takahashi(Tokyo Institute of Technology)
and organized by Shigeo Akashi(Tokyo University of Science)

Date: The workshop begins at 9:00 on the 6th of September and ends at 16:45 on the 8th in 2004.

Place: This workshop is held at Room 420 till the end of the morning session on the 8th,
and it is held at Room 115 from the beginning of the afternoon session on the 8th.

Please refer to www.kurims.kyoto-u.ac.jp/kenkyubu/map/e-map.html.

September 6(Monday)

- 9:00 ~ 9:40 Hang-Chin Lai (Chung Yuan Christian University)
Mixed Type Duality on a Minimax Fractional Programming with Generalized Convex Set Functions
- 9:40 ~ 10:10 Wataru Takahashi (Tokyo Institute of Technology)
Weak and Strong Convergence Theorems for Nonlinear Operators and Applications
- 10:10 ~ 10:40 Akira Shimizu , Shogo Nishizawa and Tamaki Tanaka (Niigata University)
On Nonlinear Scalarization Methods in Set-Valued Optimization
- 10:40 ~ 10:55 Tea Break
- 10:55 ~ 11:35 Sen-Yen Shaw (Lunghwa University of Science and Technology)
Convergence of Ergodic Nets and Approximate Solutions of Linear Functional Equations
- 11:35 ~ 12:05 Koichiro Naito (Kumamoto University)
Recurrent Dimensions of Discrete Dynamical Systems

Lunch Time

- 13:20 ~ 13:50 Juei-Ling Ho (Tainan Woman's College of Arts and Technology)
Global Asymptotic Stability Problem in Neural Nets
- 13:50 ~ 14:20 Jun Kawabe (Shinshu University)
A Type of Prokhorov-LeCam's Compactness Criterion for Riesz Space-Valued Measures
- 14:20 ~ 14:50 Yasutaka Yamada (Kitakyushu College of Technology) , Yasuji Takahashi (Okayama Prefectural University) and Mikio Kato (Kyushu Institute of Technology)
On Some Inequalities Related to p -Uniform Smoothness and q -Uniform Convexity
- 14:50 ~ 15:05 Tea Break
- 15:05 ~ 15:45 Soon-Yi Wu (National Cheng Kung University)
Semi-infinite Convex Programming Problems
- 15:45 ~ 16:15 Toshihiko Nishishiraho (University of the Ryukyus)
Approximation by Equi-Uniform Summation Processes of Integral Operators in Banach Spaces
- 16:15 ~ 16:45 Saburou Saitoh (Gunma University)
Theory of Nonlinear Transforms and Reproducing Kernels

September 7th(Tuesday)

- 9:00 ~ 9:40 Mau-Hsiang Shih (National Taiwan Normal University)
Combinatorial Analogue of the Jacobian Problem in Automata Networks
- 9:40 ~ 10:10 Hidefumi Kawasaki (Kyushu University)
A Cooperative Game Induced from the Conjugate Point
- 10:10 ~ 10:40 Ken-ichi Mitani and Kichi-Suke Saito (Niigata University)
On ℓ_ψ -Spaces
- 10:40 ~ 10:55 Tea Break
- 10:55 ~ 11:35 Ngai-Ching Wong (National Sun Yat-sen University)
A Converse of the Strong Separation Theorem –A Supplement to James' Theorem
- 11:35 ~ 12:05 Sachiko Atsushiba (Shibaura Institute of Technology)
On Convergence of Iterative Sequences for Nonexpansive Mappings
- Lunch Time
- 13:20 ~ 13:50 Shyh-Nan Lee (Chung-Yuan Christian University)
Combinatorial Stokes' Theorem with Balanced Structure
- 13:50 ~ 14:20 Daishi Kuroiwa (Shimane University)
Properly Efficient Points in Set-Valued Analysis
- 14:20 ~ 14:50 Takayuki Tamura (Chiba University) , Mikio Kato (Kyushu Institute of technology)
and Kichi-Suke Saito (Niigata University)
Uniform non ℓ_1^n -ness of ψ -direct sums of Banach spaces
- 14:50 ~ 15:05 Tea Break
- 15:05 ~ 15:45 Jen-Chih Yao (National Sun Yat-sen University)
Modified Combined Relaxation Methods for Equilibrium Problems
- 15:45 ~ 16:15 Seiji Saito (Osaka University)
On Schauder's Fixed Point Theorem concerning Complete Metric Space of Fuzzy Numbers
- 16:15 ~ 16:45 Tetsuzo Tanino (Osaka University)
Convexity and Related Properties in Coalitional Games with Restrictions

September 8th(Wednesday)

- 9:00 ~ 9:40 Simeon Reich (The Technion - Israel Institute of Technology)
Hyperbolic Monotonicity in the Hilbert Ball
- 9:40 ~ 10:10 Sin-Ei Takahashi and Takeshi Miura (Yamagata University)
Reflection on Metricpoid Spaces and Mazur-Ulam's Theorem
- 10:10 ~ 10:40 Yasunori Kimura (Tokyo Institute of Technology)
Convergence of Resolvents for a Sequence Maximal Monotone Operators
- 10:40 ~ 10:55 Tea Break
- 10:55 ~ 11:35 Lai-Jiu Lin (National Changhua University of Education)
System of Generalized Vector Quasi-Equilibrium Problems with Applications to Fixed Point Theorems for a Family of Nonexpansive Multivalued Mappings
- 11:35 ~ 12:05 Tomonari Suzuki (Kyushu Institute of Technology)
Caristi's Fixed Point theorem and Its Generalizations
- Lunch Time
- 13:20 ~ 13:50 Hirobumi Kiuchi (Takushoku University)
Strong Convergence Theorems of Ishikawa Iterations with Errors for Nonexpansive Mappings
- 13:50 ~ 14:20 Yutaka Kimura (Akita Prefectural University)
An ε -Saddle Point of the Fractional Game
- 14:20 ~ 14:50 Masamichi Kon (Hirosaki University)
On Fuzzy Location Problems Using Triangular Norm: Part I
- 14:50 ~ 15:05 Tea Break
- 15:05 ~ 15:45 Masayo Fujimura (National Defense Academy)
Complex Dynamical Systems of the Quartic Polynomials

- 15:45 ~ 16:15 Mitsuhiro Hoshino (Akita Prefectural University)
Stationary States in Some Self-Organization
- 16:15 ~ 16:45 Shigeo Akashi and Masahiro Yamada (Tokyo University of Science)
A Relation between Hilbert's 13th Problem
and the Homeomorphism Problem of the Family of Analytic Function Spaces