非線形解析学と凸解析学の研究 2013 RIMS Workshop on Nonlinear Analysis and Convex Analysis

October 9–11, 2013

PROGRAM

Each name flagged with an asterisk is the speaker of the talk.

Oct. 9 (WED)	
9:00 ~ 9:20	Mayumi Hojo* (Niigata University, Japan) Weak and strong convergence theorems for generalized nonlinear mappings in Hilbert spaces
9:20 ~ 9:40	Jitsupa Deepho*, Poom Kumam (King Mongkut's University of Technology Thonburi, Thailand) Mann's type extragradient for solving split feasibility and fixed point problems of Lipschitzian continuous and asymptotically quasi-nonexpansive mappings
9:40 ~ 10:20	Tae Hwa Kim (Pukyong National University, Korea) Review on differentiability for the norms of Banach spaces
10:30 ~ 11:10	Jong Kyu Kim (Kyungnam University, Korea) Weak and strong convergence theorems of solutions to split feasibility problem for non-spreading type mapping in Hilbert spaces
11:10 ~ 11:50	Jong Soo Jung (Dong-A University, Korea)
13:00 ~ 13:40	Strong convergence of iterative methods for continuous pseudocontractive mappings Hang-Chin Lai (National Tsing Hua University, Taiwan) Multicriteria minimax theorems in two-person zero-sum dynamic game
13:40 ~ 14:20	Zenn-Tsun Yu (Nan Kai University of Technology, Taiwan), Lai-Jiu Lin* (National Changhua University of Education, Taiwan), Chih-Sheng Chuang (National Sun Yat-Sen University, Taiwan) Mathematical programming with multiple sets split monotone variational inclusion con-
14:20 ~ 15:00	straints Ruey-Lin Sheu (National Cheng Kung University, Taiwan) An SDP parametric approach for solving single ratio quadratic fractional programming
15:15 ~ 15:40	Yasunori Kimura (Toho University, Japan) Approximation of common fixed point by the shrinking projection method with errors
15:40 ~ 16:05	Hiromichi Miyake (Japan) On the existence of the mean values for certain order-preserving operators in L^1
16:05 ~ 16:30	Masashi Toyoda* (Tamagawa University, Japan), Toshiharu Kawasaki (Niigata University, Japan)
16:30 ~ 16:55	Kannan mapping theorems in partially ordered sets Shigeo Akashi* (Tokyo University of Science, Cisco Networking Academy, Japan), Satoshi Kodama, Yasutaka Yamamoto, Yuuta Watanabe (Tokyo University of Science, Japan) Collatz conjecture and topological dynamics
Oct. 10 (THU)	
9:10 ~ 9:35	Toshiharu Kawasaki (Nihon University, Japan) Existence and mean approximation of fixed points of generalized hybrid non-self mappings in Hilbert spaces
9:35 ~ 10:00	Sachiko Atsushiba (University of Yamanashi, Japan) Strong convergence theorems for nonlinear mappings by Halpern's type iterations
10:00 ~ 10:40	Mau-Hsiang Shih (National Taiwan Normal University, Taiwan) Dynamics of nonnegative matrices
10:50 ~ 11:15	Satoshi Kodama* (Tokyo University of Science, Japan), Shigeo Akashi (Tokyo University of Science, Cisco Networking Academy, Japan) Discontinuous-point-detecting method based on Fourier series and Cesaro summation

11:15 ~ 11:40	Jen-Tang Liu (Chung Yuan Christian University, Taiwan) Study on two-person zero-sum dynamic game
13:00 ~ 13:40	Do Sang Kim*, Jiao Liguo (Pukyong National University, Korea) Mixed duality for nonsmooth multiobjective fractional programming without a constraint qualification
13:40 ~ 14:20	Gue Myung Lee (Pukyong National University, Korea) On strong and weak SOS-convex polynomials
14:20 ~ 15:00	Sehie Park (Seoul National University, Korea) Recollecting basic theorems of the KKM theory
15:15 ~ 15:40	Hirohito Inoue, Koichiro Naito* (Kumamoto University, Japan) Simultaneous rational approximations of p-adic numbers by the LLL lattice basis reduction algorithm
15:40 ~ 16:05	Koji Aoyama (Chiba University, Japan) alpern iterations and hybrid steepest descent methods
16:05 ~ 16:45	Wataru Takahashi (Tokyo Institute of Technology, Keio Universiy, Japan; National Sun Yat-sen University, Taiwan) Weak and Strong Convergence Theorems for Semigroups of Not Necessarily Continuous Mappings
Oct. 11 (FRI)	
9:10 ~ 9:30	Yutaka Saito*, Tamaki Tanaka, Syuuji Yamada (Niigata University, Japan) Association of Fan-Takahashi and Ricceri Theorems Using a certain Map
9:30 ~ 9:55	Rieko Kubota (Yokohama So-gakukan High School, Japan), Wataru Takahashi (Tokyo Institute of Technology, Keio Universiy, Japan; National Sun Yat-sen University, Taiwan), Yukio Takeuchi* (Takahashi Institute for Nonlinear Analysis, Japan) On some properties of projection methods for variational inequality problems
9:55 ~ 10:20	Syuuji Yamada*, Tamaki Tanaka (Niigata University, Japan), Tetsuzo Tanino (Osaka University, Japan) Optimality conditions for a cone-dc vector optimization problem
10:30 ~ 10:55	Satoshi Suzuki*, Daishi Kuroiwa (Shimane University, Japan), Gue Myung Lee (Pukyong National University, Korea) Surrogate duality for quasiconvex programming under data uncertainty via robust opti-
10:55 ~ 11:15	mization Ryohei Harada*, Daishi Kuroiwa (Shimane University, Japan) Lagrange-type duality in DC programming and its application
11:15 ~ 11:35	Yusuke Saeki*, Daishi Kuroiwa (Shimane University, Japan) On some conjugates of convex functions
13:15 ~ 13:40	Mitsuhiro Hoshino (Akita Prefectural University, Japan) On variable learning rate in self-organizing maps on general input space
13:40 ~ 14:05	Toshikazu Watanabe*, Issei Kuwano, Syuuji Yamada, Tamaki Tanaka (Niigata University, Japan) On saddle point for convex programming in chain complete partially ordered vector sapces
14:05 ~ 14:30	Yousuke Araya (Ritsumeikan University, Japan) Minimal element theorems and Ekeland's variational principles in set optimization