

Sessions

The six-day technical program consists of keynotes, invited talks, and parallel sessions. The rooms of each lecture are as follows:

- The opening ceremony and plenary lectures on July 4: Hall P;
- Keynote lectures: Rooms A and B;
- Regular sessions and organized sessions: Rooms A, B, C, D, E, and F.

Each session has a four-letter code like (**TU1P**). The first two letters stand for the day:

TU: July 4, Tuesday,
WE: July 5, Wednesday,
TH: July 6, Thursday,
FR: July 7, Friday,
SA: July 8, Saturday,
SU: July 9, Sunday.

The third digit stands for the period of the session. The last letter corresponds to the hall/rooms to be held.

The symbol * indicates the presenter of the joint work. The number after author's name is the page of the abstract.

The invited talks are indicated by \diamond .

Plenary lectures are assigned 60min for each talk, and keynote lectures are assigned 40min. Invited talks are assigned 30min and other regular talks are assigned 25min, including questions and answers. For details, please ask the chairperson or the organizer of each special session.

July 4 (Tuesday), Afternoon

TIME	Hall P
14:00	Opening Ceremony
14:40	
14:40	Plenary Lecture (TU1P)
16:40	
17:00	Welcome Party
19:00	

[TU1P] Plenary Lecture (chair: Tamaki Tanaka).

(1) **Wataru Takahashi**

Strong convergence theorems for new classes of nonlinear operators in Banach spaces and open problems

(2) **Tyrrell Rockafellar**

The progressive decoupling of linkages in variational inequality problems

July 5 (Wednesday), Morning

TIME	Room A	Room B
09:30	Keynote (WE1A)	Keynote (WE1B)
10:50	Conference Photo (1)	
11:30		

[WE1A] Keynote Lecture (chair: Wataru Takahashi).

- (1) **Sehie Park**
Panoramic view of the kingdom of Ky Fan's 1952 lemma
- (2) **Sompong Dhompongsa**
A computation of Brouwer's fixed points

[WE1B] Keynote Lecture (chair: Tyrrell Rockafellar).

- (1) **Dalila Azzam-Laouir, Charles Castaing*, and M. D. P. Monteiro Marques**
Perturbed evolution problems with continuous bounded variation in time and applications

July 5 (Wednesday), Afternoon

TIME	Room A	Room B
13:30	Keynote (WE2A)	Keynote (WE2B)
14:10		

[WE2A] Keynote Lecture (chair: Sehie Park).

(1) **Jong Kyu Kim**

New hybrid variant of Mann and extragradient iteration methods for finding a common solution of a system of unrelated variational inequalities and fixed point problems

[WE2B] Keynote Lecture (chair: Charles Castaing).

(1) **Jein-Shan Chen**

Smoothing functions for absolute value equations

July 5 (Wednesday), Afternoon

TIME	Room A	Room B	Room C	Room D	Room E	Room F
14:25 15:45	Regular (WE3A)	Regular (WE3B)	Regular (WE3C)	Regular (WE3D)	Regular (WE3E)	Regular (WE3F)
16:00 17:45	Regular (WE4A)	Regular (WE4B)	Regular (WE4C)	Regular (WE4D)	Regular (WE4E)	Organized (WE4F)

[WE3A] Regular Session (chair: Shin-ya Matsushita).

- (1) \diamond **Koji Aoyama**
Approximation of zeros of accretive operators in a Banach space
- (2) **Oam Sthityanak* and Suthep Suantai**
Strong convergence theorem of three-steps iterations for multivalued mappings in Banach spaces
- (3) **Yun-Ho Kim, Jung-Hyun Bae*, and Jongrak Lee**
Existence of infinitely many solutions for p -Laplace type equations in \mathbb{R}^N

[WE3B] Regular Session (chair: Narin Petrot).

- (1) \diamond **Syuuji Yamada* and Tamaki Tanaka**
Algorithm for calculating a gradual improvement target and its applications in DEA
- (2) **Kenji Kimura**
On a vectorizing function for some convex sets and graphical features of vectorized functions
- (3) **Hideo Kanemitsu**
New definitions of saddle value set and classifications of objective functions in continuous optimization problem

[WE3C] Regular Session (chair: Satit Saejung).

- (1) \diamond **Sachiko Atsushiba**
Attractive point theorems and convergence theorems for nonlinear mappings
- (2) **Montira Suwannaprapa* and Narin Petrot**
Convergence theorems for split null point of the sum of monotone operators without prior knowledge of operator norms in Hilbert spaces
- (3) **Mayumi Hojo*, Satoru Takahashi, and Wataru Takahashi**
Attractive point and ergodic theorems for two nonlinear mappings in Hilbert spaces

[WE3D] Regular Session (chair: Daishi Kuroiwa).

- (1) \diamond **Sangho Kum**
Incremental gradient method for Karcher mean on symmetric cones
- (2) **Preeyanuch Chuasuk*, Ali Farajzadeh, and Anchalee Kaewcharoen**
Strong convergence theorems of modified Ishikawa iterations for total asymptotically strict quasi- ϕ -pseudo-contractions in Banach spaces
- (3) **Makoto Kanehara* and Daishi Kuroiwa**
Nash equilibria of repeated multi-objective games

[WE3E] Regular Session (chair: In-Sook Kim).

- (1) \diamond **Mitsuhiro Hoshino**
On input distributions and progress of ordering in basic self-organizing maps
- (2) **Young-Ho Kim**
A note on recent results in approximate solution for a special class of stochastic functional differential equation

- (3) **Wittaya Kongprasert, Apiwat Kruemuen, Chitchanok Mataynam, Jinda Chaichuay, and Nopparat Pochai***
Numerical simulation to approximating time of death

[WE3F] **Regular Session (chair: Yukio Takeuchi).**

- (1) \diamond **Kiyoko Furuya**
About some idea to uniqueness of weak solutions to Navier-Stokes equation for large t
- (2) **Nattapol Ploymaklam**
Numerical scheme for the reduced Burgers-Poisson equation
- (3) **Amornrat Sangsuwan and Kamsing Nonlaopon***
The generalized solutions of a certain n order Euler equations

[WE4A] **Regular Session (chair: Suthep Suantai).**

- (1) \diamond **Yukio Takeuchi**
Common fixed points of families of nonlinear mappings in strictly convex Banach spaces
- (2) **Pongsakorn Sunthrayuth* and Poom Kumam**
Iterative methods for zeros of sum of two accretive operators in q -uniformly smooth Banach spaces
- (3) **Shin-ya Matsushita**
On the convergence rate of the proximal point algorithm
- (4) **Gwang Hui Kim**
Hyperstability and stability of a four variables functional equation on semigroup

[WE4B] **Regular Session (chair: Syuuji Yamada).**

- (1) \diamond **Daishi Kuroiwa**
Set optimization and its duality idea
- (2) **Satoshi Suzuki**
Quasiconvex programming with a reverse quasiconvex constraint
- (3) **Li-Zhi Liao**
Interior point affine scaling continuous trajectories for convex semidefinite programming
- (4) **Kazuki Seto* and Daishi Kuroiwa**
A characterization of cone-quasiconvexity for set-valued maps

[WE4C] **Regular Session (chair: Sachiko Atsushiba).**

- (1) \diamond **Satit Saejung**
Some fixed point and stationary point theorems in geodesic spaces
- (2) **Ariana Pitea* and Andreea Bejenaru**
Fixed point and best proximity point theorems on partial metric spaces
- (3) **Narongsuk Boonsri* and Satit Saejung**
Some fixed point theorems for multivalued mappings in metric spaces
- (4) **Jedsada Senasukh* and Satit Saejung**
Some common fixed point theorem for generalized contractions

[WE4D] **Regular Session (chair: Sangho Kum).**

- (1) \diamond **Nimit Nimana and Narin Petrot***
Forward-backward algorithms of penalty type for additive monotone inclusion problems
- (2) **Jittiporn Tangkawiwetkul* and Narin Petrot**
Sensitivity analysis for the system of variational inequality problem on nonconvex sets

- (3) **Issara Inchan**
Iterative algorithm for solving nonconvex variational inequality problems with non-linear mapping
- (4) **Yeong-Cheng Liou**
Triple hierarchical variational inequalities with applications

[WE4E] Regular Session (chair: Kiyoko Furuya).

- (1) \diamond **In-Sook Kim**
Semilinear equations with a multi-valued nonlinear part
- (2) **Ninrat Promdee**
Synthesis related function for the explanation of distorted magnetotelluric responses
- (3) **Shuyu Sun**
Numerical modeling and simulation of immiscible and partially miscible two-phase flows
- (4) **Charles Castaing, Nicolas Marie, and Paul Raynaud de Fitte***
Sweeping process perturbed by an irregular signal

**[WE4F] Organized Session: Combinatorial Complexity and Randomness
(organizer/chair: Koichiro Naito).**

- (1) **Shuya Chiba**
Sufficient conditions for 2-factors with a prescribed number of cycles in graphs
- (2) **Shoichi Kamada**
Subset sum problems using fractional parts of real numbers and their complexity
- (3) **Koichiro Naito**
Randomness of p -adic discrete dynamical systems and its applications to cryptosystems

July 6 (Thursday), Morning

TIME	Room A	Room B
09:30	Keynote (TH1A)	Keynote (TH1B)
11:30		

[TH1A] Keynote Lecture (chair: Jong Kyu Kim).

- (1) **Mau-Hsiang Shih**
Flattening the octahedral sphere and multiscaling Sperner's lemma
- (2) **Suthep Suantai**
Best proximity point theorems and split common fixed point problems in Hilbert spaces
- (3) **Wataru Takahashi and Jen-Chih Yao***
A strong convergence theorem by the hybrid method for a new class of nonlinear operators in a Banach space and applications

[TH1B] Keynote Lecture (chair: Jein-Shan Chen).

- (1) **R. Tyrrell Rockafellar and Jie Sun***
Solving monotone stochastic variational inequalities and complementarity problems by progressive hedging
- (2) **Do Sang Kim**
Nonconvex minimax programming problems and its applications
- (3) **David Yost**
Twisted sums, intersecting balls and Chebyshev subspaces

July 6 (Thursday), Afternoon

Excursion

July 7 (Friday), Morning

TIME	Room A	Room B
09:30	Keynote (FR1A)	Keynote (FR1B)
11:30		

[FR1A] Keynote Lecture (chair: Mau-Hsiang Shih).

- (1) **Kazimierz Goebel* and Lukasz Piasecki**
On a classification of Lipschitz mappings
- (2) **Kan Buranakorn and Somyot Plubtieng***
An inertial forward backward penalty schemes for monotone inclusion problems
- (3) **Lai-Jiu Lin**
Common solutions of split variational inclusion problems with applications to optimization and signal recovery problems

[FR1B] Keynote Lecture (chair: Do Sang Kim).

- (1) **Marius Durea, Radu Strugariu, and Christiane Tammer***
On some methods to derive necessary and sufficient optimality conditions in vector optimization
- (2) **Hyun-Min Kim**
On some different types of nonlinear matrix equation
- (3) **Ryszard Pluciennik**
 λ -property and uniform λ -property in $L^1 \cap L^\infty$

July 7 (Friday), Afternoon

TIME	Room A	Room B
13:30	Keynote	Keynote
14:10	(FR2A)	(FR2B)
14:10	Conference Photo (2)	
14:25		

[FR2A] Keynote Lecture (chair: Kazimierz Goebel).

(1) **Koichiro Naito**

Unpredictability and randomness of p -adic symbolic dynamical systems

[FR2B] Keynote Lecture (chair: Hyun-Min Kim).

(1) **Hidefumi Kawasaki**

An application of theorems of alternatives to origami-twist fold

July 7 (Friday), Afternoon

TIME	Room A	Room B	Room C	Room D	Room E	Room F
14:35 15:55	Regular (FR3A)	Regular (FR3B)	Regular (FR3C)	Regular (FR3D)	Organized (FR3E)	Organized (FR3F)
16:10 17:30	Regular (FR4A)	Regular (FR4B)	Regular (FR4C)	Regular (FR4D)	Organized (FR4E)	Organized (FR4F)

[FR3A] Regular Session (chair: Anthony To-Ming Lau).

- (1) \diamond **Fumiaki Kohsaka**
The proximal point algorithm and its variants for convex functions in geodesic metric spaces
- (2) **Preeyalak Chaudchawna* and Anchalee Kaewcharoen**
Convergence theorems of Picard normal S-iteration process for total asymptotically quasi-nonexpansive mappings in hyperbolic spaces
- (3) **Shuechin Huang**
Moudafi iterations in Hadamard manifolds

[FR3B] Regular Session (chair: Kenjiro Yanagi).

- (1) \diamond **Jun Kawabe**
Convergence theorems of nonlinear integrals
- (2) **Jimbo H. Claver* and Ngongo I. Seraphin**
Moment problems in insurance mathematics: Ruin probability
- (3) **Arslan H. Ansari, Jamnian Nantadilok*, and Mohammad S. Khan**
Best proximity point of generalized cyclic weak (F, ψ, φ) -contraction in ordered metric spaces

[FR3C] Regular Session (chair: Messaoud Bounkhel).

- (1) \diamond **Kichi-Suke Saito*, Naoto Komuro, and Ryotaro Tanaka**
More on the class of Banach spaces with James constant $\sqrt{2}$
- (2) **Ken-Ichi Mitani*, Kichi-Suke Saito, and Yasuji Takahashi**
On the von Neumann-Jordan constant of generalized Banaś-Frączek spaces II
- (3) **Bancha Panyanak**
The demiclosed principle for multi-valued nonexpansive mappings in Banach spaces

[FR3D] Regular Session (chair: Hidefumi Kawasaki).

- (1) \diamond **Masamichi Kon**
Hierarchical clustering by a fuzzy distance
- (2) **Pinya Ardsalee* and Satit Saejung**
On some fixed point theorems of Caristi's type via w -distance
- (3) **Anuruk Noywiset* and Satit Saejung**
Some fixed point theorems in modular metric spaces

[FR3E] Organized Session: Optimization and Variational Analysis (1)

(organizer/chair: Nobusumi Sagara).

- (1) \diamond **Nobusumi Sagara**
Recursive variational problems in nonreflexive Banach spaces with an infinite horizon: An existence result
- (2) **Tan Cao* and Boris Mordukhovich**
Optimal control for a controlled sweeping process with applications to the crowd motion model

- (3) **Yuhki Hosoya***, **Susumu Kuwata**, and **Hiroyuki Ozaki**
The Hamilton-Jacobi-Bellman equation of macroeconomic dynamics

[FR3F] Organized Session: Tensor Analysis (1)
(organizer: **Liqun Qi**; chair: **Jingya Chang**).

- (1) **Yi Xu***, **Jinjie Liu**, and **Liqun Qi**
Moler tensors and their properties
- (2) **Shenglong Hu***
Spectral symmetry of uniform hypergraphs
- (3) **Chen Ouyang**
The first few unicyclic and bicyclic hypergraphs with largest spectral radii

[FR4A] Regular Session (chair: Fumiaki Kohsaka).

- (1) \diamond **Yasunori Kimura**
Convex functions defined on geodesic spaces and approximation of their minimizers
- (2) **Rapeepan Kraikaew*** and **Satit Saejung**
A split common fixed point problem revisited
- (3) **Chanitnan Jaipranop*** and **Satit Saejung**
Some weak convergence theorems for a family of certain pseudocontractive mappings in Hilbert spaces

[FR4B] Regular Session (chair: Masamichi Kon).

- (1) \diamond **Seiichi Iwamoto** and **Yutaka Kimura***
Semi-Fibonacci programming —Fibonacci optimal solution—
- (2) **Kazuhiro Hishinuma*** and **Hideaki Iiduka**
Flexible stepsize selection of subgradient methods for constrained convex optimization
- (3) **Nithirat Sisarat***, **Rabian Wangkeeree**, and **Gue Myung Lee**
Sequential optimality conditions in robust convex programming via perturbation approach

[FR4C] Regular Session (chair: Kichi-Suke Saito).

- (1) \diamond **Messaoud Bounkhel**
Generalised projections on closed nonconvex sets in Banach spaces and applications
- (2) **Jumpot Intrakul*** and **Phichet Chaoha**
Retraction from a unit ball onto its spherical cup
- (3) **Smith Iampiboonvatana*** and **Phichet Chaoha**
Fixed point sets of mean-type mappings

[FR4D] Regular Session (chair: Jun Kawabe).

- (1) \diamond **Kenjiro Yanagi**
Sum type uncertainty relations described by generalized quasi-metric adjusted skew informations
- (2) **Suthep Suantai**, **Uamporn Witthayarat***, **Yekini Shehu**, and **Prasit Cholamjiak**
A modified self-adaptive method for the split feasibility problem and the fixed point problem in Banach spaces
- (3) **Kritchapon Boonpoonmee*** and **Somsak Orankitjaroen**
Finite-order of distributional solutions of certain fractional differential equations

[FR4E] Organized Session: Optimization and Variational Analysis (2)
(organizer/chair: Nobusumi Sagara).

- (1) **Xiaojun Ma and Guolin Yu***
Vector variational-like inequalities involving the generalized second-order invex functions

[FR4F] Organized Session: Tensor Analysis (2)
(organizer: Liqun Qi; chair: Chen Ouyang).

- (1) **Jingya Chang**
Computing the p -spectral radii of uniform hypergraphs with applications

July 8 (Saturday), Morning

TIME	Room A	Room B
09:30	Keynote (SA1A)	Keynote (SA1B)
11:30		

[SA1A] Keynote Lecture (chair: Sompong Dhompongsa).

- (1) **Anthony To-Ming Lau**
The structure of fixed point sets in harmonic analysis
- (2) **Yaqin Wang, Tae Hwa Kim*, and Xiaoli Fang**
Weak and strong convergence theorems for the multiple-set split equality common fixed-point problems of demicontractive mappings
- (3) **Hang-Chin Lai**
Tensor product and multipliers for Banach function spaces on LCA group

[SA1B] Keynote Lecture (chair: Ryszard Pluciennik).

- (1) **Gue Myung Lee* and Pham Tien Son**
Generic properties for semialgebraic programs
- (2) **Hong-Kun Xu**
Projection methods for minimizing a finite sum of convex functions
- (3) **Shinji Mizuno**
The simplex method for degenerate and nondegenerate linear programming problems

July 8 (Saturday), Afternoon

TIME	Room A	Room B	Room C	Room D	Room E	Room F
14:00 15:45	Regular (SA3A)	Organized (SA3B)	Regular (SA3C)	Regular (SA3D)	Regular (SA3E)	Organized (SA3F)
16:00 17:15	Regular (SA4A)	Regular (SA4B)	Regular (SA4C)	Regular (SA4D)	Regular (SA4E)	Regular (SA4F)

[SA3A] Regular Session (chair: Tae Hwa Kim).

- (1) \diamond **Hiroshi Miyashita**
Use of subgradient method to solve the Lagrangian relaxation of circuit placement problems
- (2) **Yongdo Lim**
Multivariate non-expansive means and ergodic theorems on symmetric cones
- (3) **Jinlu Li**
Fixed point theorems on partially ordered Banach spaces and applications
- (4) **Toshiharu Kawasaki**
Fixed point theorems for widely more generalized hybrid mappings in a metric space, a Banach space and a Hilbert space

[SA3B] Organized Session: Nonlinear Scalarization and its Application in Set Optimization (organizer/chair: Tamaki Tanaka).

- (1) **Hui Yu***, **Xuefeng Liu**, and **Tamaki Tanaka**
Computational framework for sublinear-like scalarization in set optimization
- (2) **Koichiro Ike*** and **Tamaki Tanaka**
New comparison criteria of fuzzy sets from the viewpoint of set optimization
- (3) **Yuto Ogata*** and **Tamaki Tanaka**
A set approach to ε -optimality with respect to a convex cone for set optimization problems
- (4) **Hiroshi Kusumi***, **Yuto Ogata**, **Tamaki Tanaka**, and **Syuuji Yamada**
New approach on evaluation of mathematical modeling via set optimization

[SA3C] Regular Session (chair: Somyot Plubtieng).

- (1) **Kuo-Chih Hung**
Global bifurcation and exact multiplicity of positive solutions of a problem arising in porous-medium combustion
- (2) **Shin-Hwa Wang**
Classification and evolution of bifurcation curves for the one-dimensional perturbed Gelfand equation with mixed boundary conditions
- (3) **Romrawin Chumpu***, **Nirattaya Khamsemanan**, and **Cholwich Nattee**
Prediction of dengue incidences in Thailand using quasi-likelihood generalized linear model
- (4) **Nirattaya Khamsemanan** and **Cholwich Nattee***
Association rule mining among knowledge and skills from online OECD approved PISA problems

[SA3D] Regular Session (chair: Hiroaki Mohri).

- (1) **Nimit Nimana*** and **Narin Petrot**
A generalized prox-penalization method for hierarchical convex minimization: An enhanced technique for image inpainting

- (2) **Pakkapon Preechasilp* and Rabian Wangkeeree**
Hölder continuity of solution maps to a parametric weak vector equilibrium problem
- (3) **Kasamsuk Ungchittrakool* and Natthaphon Artsawang**
Characterizations of minimum and maximum principle sufficiency properties for nonsmooth variational inequalities and equilibrium problems
- (4) **Kan Buranakorn* and Somyot Plubtieng**
A primal dual algorithm with inertial effects for solving coupled systems of monotone inclusion problems

[SA3E] **Regular Session (chair: Mituhiro Fukuda).**

- (1) **Watcharin Chatbupapan and Kanit Mukdasai***
LMI approach to exponential stability analysis for certain neutral differential equation with interval non-differentiable discrete and distributed time-varying delays
- (2) **Watcharin Chatbupapan* and Kanit Mukdasai**
Exponential stability and H_∞ performance analysis for certain neutral differential equation with non-differentiable interval mixed time-varying delays
- (3) **Thongchai Botmart* and Wajaree Weera**
New hybrid pinning adaptive control for modified function projective synchronization of complex dynamical network with mixed time-varying and asymmetric coupling delays
- (4) **Presarin Tangsiridamrong* and Kanit Mukdasai**
Delay-range-dependent robust H_∞ performance for uncertain linear systems with non-differentiable interval time-varying delay and nonlinear perturbations

[SA3F] **Organized Session: Graph Theory and Combinatorial Optimization**
(organizer/chair: Yasuko Matsui).

- (1) \diamond **Yasuko Matsui**
A survey on safe sets
- (2) **Boram Park**
On the weighted information graph game
- (3) **Shinya Fujita**
On a partition problem in edge-colored graphs
- (4) **Tadashi Sakuma**
Minimally non-ideal clutters and ideal minimally non-packing clutters

[SA4A] **Regular Session (chair: Hiroshi Miyashita).**

- (1) **Issei Kuwano**
A characterization of N -person noncooperative multiobjective games
- (2) **Muhammad Adil Khan**
On majorization type inequalities for n -convex functions
- (3) **Auttawut Rangklang* and Kamsing Nonlaopon**
 q -fractional Hermite Hadamard inequalities for the new q -shifting operator via convex functions

[SA4B] **Regular Session (chair: Gue Myung Lee).**

- (1) **Zhe Hong*, Kwan Deok Bae, and Do Sang Kim**
On approximate solutions in convex multiobjective optimization problems
- (2) **Zaiyun Peng*, Xianjun Long, Xianfu Wang, and Yunbin Zhao**
Generalized Hadamard well-posedness for infinite vector optimization problems

[SA4C] Regular Session (chair: Jinlu Li).

- (1) **Sahar Mohamed Ali Abou Bakr* and Arslan Hojat Ansari**
On fixed point theorem of C -class function of generalized T -cyclic weak φ - ϕ -contraction operators
- (2) **Pooja Dhawan and Jatinderdeep Kaur***
Aggregation functions, Ψ -projective expansion and fixed points
- (3) **Parin Chaipunya* and Poom Kumam**
Proximal algorithms in Hadamard spaces

[SA4D] Regular Session (chair: Lai-Jiu Lin).

- (1) **Hiroaki Mohri* and Jun-ichi Takeshita**
Simple network recovery optimization problem with multiple types of failures
- (2) **Xuefeng Liu**
Cloud-computing based online computing system for scientific computing
- (3) **Susumu Shindoh**
Standard interference mappings and SIR feasibility problems

[SA4E] Regular Session (chair: Shinji Mizuno).

- (1) **Mituihiro Fukuda*, Takashi Nakagaki, and Makoto Yamashita**
An efficient nonmonotone spectral projected gradient method for semidefinite program with log-determinant and ℓ_1 -norm function
- (2) **Tsung-Lin Cheng* and Yi-Hao Chiu**
Optimal look-ahead stopping rule and its application to American option
- (3) **Parkpoom Phetpradap* and Phisipong Sonprathet**
Estimation of $3/2$ stochastic volatility model by particle filters

[SA4F] Regular Session (chair: Jie Sun).

- (1) **Narongsak Yotha*, Anucha Klamnoi, and Thongchai Botmart**
Function projective synchronization of neural networks with time-varying delay and mixed asymmetric uncertainties coupling via hybrid adaptive pinning control
- (2) **Valéry Covachev and Zlatinka Covacheva***
Existence and global exponential stability of a periodic solution of a Hopfield-type neural network with distributed delays and impulses
- (3) **Charuwat Chantawat* and Thongchai Botmart**
New analysis on robust H_∞ control for exponential stability of uncertain neural network with mixed time-varying delays via hybrid feedback control

July 9 (Sunday), Morning

TIME	Room A	Room B	Room C	Room D	Room E	Room F
9:30 10:45	Organized (SU1A)	Organized (SU1B)	Regular (SU1C)		Regular (SU1E)	Regular (SU1F)
11:00 11:20	Closing Ceremony					

[SU1A] Organized Session: Parametric Optimization and its Related Topics
(organizer/chair: Jein-Shan Chen).

- (1) **Yu-Lin Chang**
Some mean inequalities on second order cones
- (2) **Tone-Yau Huang* and Hang-Chin Lai**
Second-order parametric duality for a minimax fractional programming in complex spaces
- (3) **Chih-Fong Tsai* and Wei-Chao Lin**
Single and ensemble neural networks for bankruptcy prediction

[SU1B] Organized Session: Necessary Optimality Conditions and Algorithms in Set Optimization (organizer/chair: Christiane Tammer).

- (1) **Elisabeth Köbis*, Daishi Kuroiwa, and Christiane Tammer**
Generalized set relations and their numerical treatment
- (2) **Elisabeth Köbis, Thanh Tam Le*, Christiane Tammer, and Jen-Chih Yao**
Necessary optimality conditions for solutions of set optimization with respect to variable domination structures
- (3) **Yuto Ogata, Yutaka Saito, Tamaki Tanaka*, and Syuuji Yamada**
Sublinear-like scalarization scheme for sets and its applications

[SU1C] Regular Session (chair: Shuechin Huang).

- (1) **Jenwit Puangpee* and Suthep Suantai**
Fixed point theorems for multivalued nonself Kannan-Berinde contraction mappings in complete metric spaces
- (2) **Suthep Suantai and Phakdi Charoensawan***
Common fixed point and coupled coincidence point theorems for θ - ψ contraction mappings with two metrics endowed with a directed graph
- (3) **Suttisak Wisadwongsa**
Bivariate quadratic copula constructions

[SU1E] Regular Session (chair: Yutaka Kimura).

- (1) **Yousuke Araya**
Existence theorems of cone saddle-points in set optimization applying nonlinear scalarizations
- (2) **Yutaka Saito*, Yutaka Kimura, and Yousuke Araya**
A characterization of programming problems by a method of set-valued analysis

[SU1F] Regular Session (chair: Yasunori Kimura).

- (1) **Hiroko Manaka**
Fixed point theory for an elastic nonlinear mapping in Banach spaces