

November 5 (Monday)
(OIST)

TIME	Auditorium AU			
14:00 14:30	Opening Ceremony			
14:30	Plenary			
15:50	Keynote (MAO1AU)			
TIME	Meeting Room 1	Meeting Room 2	Meeting Room 3	Meeting Room 4
16:05 17:20	Regular (MAO2M1)	Regular (MAO2M2)	Special Session [†] (MAO2M3)	Special Session [‡] (MAO2M4)
17:40 19:30	Welcome Party			

November 5 (Monday), Afternoon

[MAO1AU] Plenary (chair: Wataru Takahashi).

- (1) **R. T. Rockafellar** (p.93)
Achieving economic equilibrium by a process of optimization

Keynote

- (2) **Kazimierz Goebel** (p.22)
Retracting balls onto spherical caps

[MAO2M1] Regular Talks (chair: Akiko Yoshise).

- (1) **Chang-Ming Lin, Ko-Ying Tseng and Hsin-Yu Liu*** (p.66)
Chiller loading optimization by using two-stage differential evolution algorithm
- (2) **Hideo Yoshizato* and Hideaki Iiduka** (p.133)
Stochastic fixed point optimization algorithm for classifier ensemble with sparsity and diversity learning and its application
- (3) **Yu Kobayashi* and Hideaki Iiduka** (p.53)
Stochastic subgradient projection method for nonmonotone equilibrium problem and its application to multiclass classification

[MAO2M2] Regular Talks (chair: Yukio Takeuchi).

- (1) **Raweerote Suparatulorn* and Suthep Suantai** (p.110)
New self-adaptive algorithms with inertial effects for solving split common fixed point problems and its applications
- (2) **Pachara Jailoka* and Suthep Suantai** (p.33)
Split null point problems and common fixed point problems for a finite family of demicontractive multivalued mappings
- (3) **Preeyaporn Thongin* and Worapong Fupinwong** (p.118)
The fixed point property of a Banach algebra generated by an element with infinite spectrum

[MAO2M3] Special Session[†] (1) (chair: Yasuko Matsui).

Graph Theory and Combinatorial Optimization

- (1) **Tatsuoki Kato, Tomoki Nakamigawa and Tadashi Sakuma*** (p.99)
Pebble exchange group of graphs
- (2) **Shinya Fujita** (p.19)
How to make an edge-colored graph properly connected
- (3) **Ringi Kim** (p.49)
On tournaments with large chromatic number

[MAO2M4] Special Session[‡] (1) (chair: Shuyu Sun).

Diffuse Interface Methods for Modeling Multi-Phase Mixture

- (1) **Guangpu Zhu*, Jun Yao and Shuyu Sun** (p.136)
An energy stable scheme for a hydrodynamics coupled phase-field surfactant model
- (2) **Jisheng Kou** (p.57)
Entropy stable modeling of non-isothermal multi-component diffuse-interface two-phase flows

November 6 (Tuesday)

(ANA InterContinental Manza Beach Resort)

	Shell Beach Banquet Room	
TIME	Room A	
9:00	Plenary	
10:20	Keynote (TUA1SA)	
10:20	Conference Photo (1)	
10:50	Coffee break	
10:50	Keynote	Keynote
11:50	Regular (TUA2SA)	Special Session [†] (2) (TUA2SB)
11:50 14:00	Lunch (Karin)	
TIME	Room A	Room B
14:00	Keynote	Keynote
15:35	Regular (TUA3SA)	Regular (TUA3SB)
15:35 15:55	Coffee break	
15:55	Keynote	Keynote
17:20	Regular (TUA4SA)	Regular (TUA4SB)
17:45 19:45	Banquet (ORCHID)	

November 6 (Tuesday), Morning

[TUA1SA] Plenary (chair: Christiane Tammer).

- (1) **Kazuo Murota** (p.78)
DC programming in discrete convex analysis
Keynote
- (2) **Yuzhu Wang, Akihiro Tanaka and Akiko Yoshise*** (p.132)
Polyhedral approximations of the semidefinite cone and their applications

[TUA2SA] Keynote (chair: Kok Lay Teo).

- (1) **Xiaoqi Yang** (p.130)
On error bound Moduli and their applications
Regular Talk
- (2) **Hideaki Iiduka**[◇] (p.30)
Decentralized optimization and its applications

[TUA2SB] Special Talks (chair: Yasuko Matsui).

- (1) **Katsuhisa Yamanaka, Yasuko Matsui* and Shin-ichi Nakano** (p.72)
Enumerating all spanning subgraphs with edge-connectivity at least k
- (2) **Boram Park** (p.83)
Interval edge-coloring problems

November 6 (Tuesday), Afternoon

[TUA3SA] Keynote (chair: Yongdo Lim).

- (1) **Min Zhang, Jie Sun* and Honglei Xu** (p.108)
Two-stage quadratic games under uncertainty and their solution by progressive hedging algorithms
- (2) **Q. Chai, Z. Feng, Z. Gong, V. Rehbock, J. Lee, Bin Li, Q. Lin, C. Liu, R. Loxton, Kok Lay Teo*, C. Wu, C. Yu** (p.116)
Optimal control computation for nonlinear switched systems

Regular Talk

- (3) **Syuuji Yamada**[◇] (p.127)
Algorithm for calculating a gradual improvement target and its applications in DEA

[TUA3SB] Keynote (chair: Brailey Sims).

- (1) **Anthony T. Lau** (p.61)
Fixed point properties for semigroups of nonexpensive mappings on convex sets in dual Banach space
- (2) **N. Chuensupantharat, P. Kumam and S. Dhompongsa*** (p.17)
A short proof of the Brouwer fixed point theorem

Regular Talk

- (3) **Takanori Ibaraki**[◇] (p.29)
A shrinking projection method for nonlinear mappings of nonexpansive type with nonsummable errors

[TUA4SA]Keynote(chair: Shue-Chin Huang).

- (1) **In-Sook Kim** (p.47)
Semilinear problems with a set-valued nonlinear part

Regular Talks

- (2) **Jukrapong Tiammee* and Withun Phuengrattana** (p.119)
Proximal point algorithms for finding common fixed points of a finite family of quasi-nonexpansive multi-valued mappings in real Hilbert spaces
- (3) **Fumiaki Kohsaka**[◇] (p.54)
Fixed points of Chatterjea mappings with Bregman distances in Banach spaces

[TUA4SB]Keynote(chair: Koichiro Naito).

- (1) **Ching-Feng Wen** (p.123)
On second-order optimality conditions for nonsmooth vector optimization problems

Regular Talks

- (2) **Chia-Cheng Liu and Yung-Yih Lur*** (p.69)
On simultaneously nilpotent fuzzy interval matrix in max-min operation
- (3) **Chia-Cheng Liu and Yan-Kuen Wu*** (p.125)
An average-based approach to finding a minimal optimal solution for min-max programming problem

November 7 (Wednesday)
(OIST)

TIME	Auditorium AU			
9:00	Plenary (WEO1AU)			
10:05	Conference Photo (2)			
TIME	Meeting Room 1	Meeting Room 2	Meeting Room 3	Meeting Room 4
10:05	Special Session (WEO2M1)	Regular (WEO2M2)	Regular (WEO2M3)	Special Session [†] (WEO2M4)
	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
11:20	Regular (WEO2S1)	Regular (WEO2S2)	Regular (WEO2S3)	
11:20 11:45	Coffee Break			
TIME	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
11:45 12:55	Keynote (WEO3S1)	Keynote (WEO3S2)	Keynote (WEO3S3)	
12:55 14:30	Lunch (Grano@OIST)			
TIME	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
14:30 16:15	Keynote (WEO4S1)	Keynote (WEO4S2)	Keynote (WEO4S3)	
16:15 16:35	Coffee Break			
TIME	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
16:35	Regular (WEO5S1)	Regular (WEO5S2)	Regular (WEO5S3)	
	Meeting Room 1	Meeting Room 2	Meeting Room 3	Meeting Room 4
17:50	Regular (WEO5M1)	Regular (WEO5M2)	Regular (WEO5M3)	

November 7 (Wednesday), Morning

[WEO1AU] Plenary (chair: R. T. Rockafellar).

- (1) **Wataru Takahashi** (p.112)
New classes of nonlinear operators and weak and strong convergence theorems in Hilbert spaces and Banach spaces

[WEO2M1] Special Session (chair: Nobusumi Sagara).

Special Session on Mathematical Economics

- (1) **Yuhki Hosoya** (p.27)
Shephard's lemma and nonlinear partial differential equations
- (2) **Naoki Yoshihara* and Se Ho Kwak** (p.131)
Sraffian indeterminacy in general equilibrium
- (3) **Mitsunori Noguchi** (p.81)
Essential stability of purifiable alpha-core strategies of games with incomplete information

[WEO2M2] Regular Talks (chair: Aoi Honda).

- (1) **Kazuhiro Hishinuma* and Hideaki Iiduka** (p.23)
Convergence Property, Computational Performance, and Usability of Fixed Point Quasiconvex Subgradient Method
- (2) **Aliyu Muhammed Awwal* and Poom Kumam** (p.4)
A projection Hestenes-Stiefel-like method for monotone nonlinear equations with convex constraints
- (3) **Julalak Prabseang* and Kamsing Nonlaopon** (p.88)
Quantum Hermite-Hadamard inequalities for double integral and q -differentiable convex functions

[WEO2M3] Regular Talks (chair: Masahiro Inuiguchi).

- (1) **Kosuke Togashi and Hiroaki Mohri***[◇] (p.76)
Analysis for mechanism of commitment problems of separatist conflicts by 2 level game theory and coalition cooperation degree
- (2) **Hiroaki Mohri and Jun-ichi Takeshita*** (p.113)
Erlang distribution damage analysis on failures immediately after shocks by two factors
- (3) **Yi Chou Chen** (p.10)
A monopolist's optimal production rate

[WEO2M4] Special Session (2) (chair: Shuyu Sun).

Diffuse Interface Methods for Modeling Multi-Phase Mixture

- (1) **Shuyu Sun***, **Jisheng Kou** and **Zhonghua Qiao** (p.109)
Multi-scale simulation of two-phase flow with partial miscibility
- (2) **Yuanqing Wu***, **Jisheng Kou** and **Maoqing Ye** (p.126)
A Darcy-Brinkman-Forchheimer framework meeting Newton's second law in matrix acidization simulation
- (3) **Tao Zhang*** and **Shuyu Sun** (p.135)
Lattice Boltzmann method for phase field model with Peng- Robinson equation of state

[WEO2S1] Regular Talks (chair: Narin Petrot).

- (1) **Yirmeyahu Jeremy Kaminski** (p.37)
Equilibrium locus of the flow on circular networks of cells
- (2) **Seiichi Iwamoto**, **Yutaka Kimura***[◇] and **Toshiharu Fujita** (p.51)
Two dualities – complementary versus shift –
- (3) **Mitsuhiro Hoshino**[◇] (p.26)
Local behavior of monotonization and an index of ordering in learning processes of basic self-organizing maps

[WEO2S2] Regular Talks (chair: Daishi Kuroiwa).

- (1) **C. Castaing**, **C. Godet-Thobie***, **P. Dinh Phung** and **L. Xuan Truong** (p.21)
On fractional differential inclusions with nonlocal boundary conditions
- (2) **Panatda Boonman*** and **Rabian Wangkeeree** (p.6)
Levitin-Polyak well-posedness for parametric quasivariational inclusion and disclusion problems
- (3) **Mohammed Harunor Rashid** (p.91)
Convergence analysis of a restricted inexact Newton-type method for generalized equations

[WEO2S3] Regular Talks (chair: Yasunori Kimura).

- (1) **Prasit Cholamjiak** (p.13)
The modified forward-backward method with linesearches
- (2) **Mayumi Hojo*** and **Wataru Takahashi** (p.24)
Fixed point and weak convergence theorems for noncommutative two extended generalized hybrid mappings in Banach spaces
- (3) **Uamporn Witthayarat***, **Poom Kumam** and **Prasit Cholamjiak** (p.124)
On solving split equilibrium problem in real Hilbert spaces with its applications

[WEO3S1] Keynote (chair: Tomonari Suzuki).

- (1) **Ryszard Pluciennik** (p.87)
On some modifications of n -th von Neumann-Jordan constant in Banach spaces
- (2) **Kichi-Suke Saito***, **Naoto Komuro** and **Ryotaro Tanaka** (p.96)
On the symmetry of Banach spaces

[WEO3S2] Keynote (chair: Poom Kumam).

- (1) **Do Sang Kim** (p.46)
Strong second-order Karush–Kuhn–Tucker optimality conditions for vector optimization
- (2) **Daishi Kuroiwa** (p.60)
Duality for convex set optimization

[WEO3S3] Keynote (chair: Somyot Plubtieng).

- (1) **Yasunori Kimura** (p.50)
Convex minimization problems on complete geodesic spaces
- (2) **Satit Saejung** (p.94)
On Halpern’s iteration and related iterations

November 7 (Wednesday), Afternoon

[WEO4S1] Keynote (chair: Anthony T. Lau).

- (1) **Kenjiro Yanagi** (p.128)
Some kinds of Uncertainty relations for generalized quasi-metric adjusted skew informations and their applications
- (2) **Jun Kawabe** (p.40)
A perturbation method in the study of convergence theorems of nonlinear integrals
- (3) **Aoi Honda* and Yoshiaki Okazaki** (p.25)
Representation of Shapley value of cooperative game

[WEO4S2] Keynote (chair: Jein-Shan Chen).

- (1) **Koichiro Naito** (p.79)
Pseudorandom number generator by p -adic chaos and Ramanujan expander graphs
- (2) **Hidefumi Kawasaki** (p.41)
Completion of the proof of flat-foldability theorem for twist fold by KKM lemma
- (3) **Sangho Kum** (p.58)
Convergence of linearized proximal algorithms for convex composite optimization on Riemannian manifolds

[WEO4S3] Keynote (chair: Jong-Kyu Kim).

- (1) **Sehie Park** (p.84)
KKM Implies Hahn-Banach
- (2) **Andrzej Cegielski** (p.8)
On the regularity of the Landweber transformation
- (3) **Yukio Takeuchi** (p.114)
On Browder–Ray type theorems

[WEO5S1] Regular Talks (chair: Lai-Jiu Lin).

- (1) **Wei-Shih Du**[◇] (p.18)
New generalizations of fixed point theorems of Caristi type and Mizoguchi-Takahashi type and their applications
- (2) **Kamsing Nonlaopon** (p.82)
The distributional solutions of fractional differential equations related to Cauchy-Euler equation
- (3) **Jedsada Senasukh* and Satit Saejung** (p.103)
Some hyperstability results of cauchy functional equations via Brzdęk's fixed point theorem

[WEO5S2] Regular Talks (chair: Jong Soo Jung).

- (1) **Habib ur Rehman* and Poom Kumam** (p.92)
Fixed point theorems for α - ψ and α_μ - ψ condensing operators with application to functional integral equation
- (2) **Umar Yusuf Batsari* and Poom Kumam** (p.5)
Importance of fixed point sets of quantum operations in information preserving structures
- (3) **Sachiko Atsushiba**[◇] (p.3)
Convergence theorems for normally generalized hybrid sequences and hybrid-type mappings

[WEO5S3] Regular Talks (chair: Ruey-Lin Sheu).

- (1) **Nimit Nimana and Narin Petrot***[◇] (p.85)
Splitting proximal schemes for additive convex hierarchical minimization problems
- (2) **Shin-ya Matsushita**[◇] (p.73)
On a splitting method for maximal monotone operators
- (3) **Jutamas Kerdkaew* and Rabian Wangkeeree** (p.43)
Approximate optimality for quasi approximate solutions in nonsmooth semi-infinite programming problems, using convexificators

[WEO5M1] Regular Talks (chair: Yoshikazu Kobayashi).

- (1) **Gwan-Woo Jang* and Taekyun Kim** (p.34)
Differential equations associated with degenerate Changhee numbers of the second kind
- (2) **Rui Yang*, Inbo Sim and Yong-Hoon Lee** (p.129)
Lyapunov-type inequalities for one-dimensional Minkowski-curvature problems
- (3) **Basit Ali** (p.1)
Completeness of b-metric spaces and the existence of fixed point sets of generalized multivalued Ciric-Suzuki type quasi-contractions spectrum

[WEO5M2] Regular Talks (chair: Syuuji Yamada).

- (1) **Chih-Sheng Chuang** (p.15)
Hybrid algorithms and convergence theorems for the split DC program
- (2) **Yutaka Saito*, Shiori Kato, Yousuke Araya and Yutaka Kimura** (p.97)
On a robust Nash equilibrium of two-person zero-sum game
- (3) **Puchit Sariddichainunta* and Masahiro Inuiguchi** (p.102)
The application of revealed preference for minimax problem in sequential decision model

[WEO5M3] Regular Talks (chair: Gue Myung Lee).

- (1) **You-Young Cho* and Gyeong-Mi Cho** (p.11)
Interior-point algorithms for horizontal linear complementarity problems
- (2) **Jinjie Liu*, Weiyang Ding, Liqun Qi and Wennan Zou** (p.67)
Isotropic polynomial invariants of the Hall tensor
- (3) **Yousuke Araya*, Kaede Suzuki, Yutaka Saito and Yutaka Kimura** (p.2)
New sufficiency for global optimality of multi-objective programming problems via underestimators

November 8 (Thursday)

(OIST)

TIME	Meeting Room 1	Meeting Room 2	Meeting Room 3	Meeting Room 4
9:20	Regular (THO1M1)	Regular (THO1M2)	Regular (THO1M3)	
	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
10:35	Regular (THO1S1)	Regular (THO1S2)	Regular (THO1S3)	
10:35 11:00	Coffee Break			
TIME	Room C209	Room C210	Room B250	Auditorium
11:00 12:45	Keynote (THO2S1)	Keynote (THO2S2)	Keynote (THO2S3)	
12:45 14:15	Lunch (Grano@OIST)			
TIME	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
14:15 15:25	Keynote (THO3S1)	Keynote (THO3S2)	Keynote (THO3S3)	
15:25 15:45	Coffee Break			
TIME	Seminar Room C209	Seminar Room C210	Seminar Room B250	Auditorium
15:45	Regular (THO4S1)	Regular (THO4S2)		
	Meeting Room 1	Meeting Room 2	Meeting Room 3	Meeting Room 4
17:00	Regular (THO4M1)	Regular (THO4M2)	Regular (THO4M3)	

November 8 (Thursday), Morning

[THO1M1] Regular Talks (chair: Kenjiro Yanagi).

- (1) **Sumati P. Kumari, Jamnian Nantadilok* and Muhammad Sarwar** (p.80)
Fixed point theorems for a class of generalized weak cyclic compatible contractions
- (2) **Panisa Lohaweck*, Anchalee Kaewcharoen and Ali Farajzadeh** (p.68)
Algorithms for the common solution of the split variational inequality problems and fixed point problems with applications
- (3) **Warut Saksirikun* and Narin Petrot** (p.98)
Coincidence and common fixed point theorems for generalized cyclic multi-valued Suzuki type contraction

[THO1M2] Regular Talks (chair: Satit Saejung).

- (1) **Mayumi Hojo, Atsumasa Kondo* and Wataru Takahashi** (p.56)
Weak and strong convergence theorems for commutative normally 2-generalized hybrid mappings in Hilbert spaces
- (2) **Hiroko Manaka** (p.70)
Results with respect to fixed point theorems of an elastic nonlinear mapping in Banach spaces
- (3) **Somayya Komal* and Poom Kumam** (p.55)
A modified subgradient extragradient algorithm with inertial effects

[THO1M3] Regular Talks (chair: Hidefumi Kawasaki).

- (1) **Elias Munapo** (p.77)
New direction to the scheduling problem – A pre-processing integer formulation approach
- (2) **Julius Fergy T. Rabago* and Hideyuki Azegami** (p.89)
An efficient second-order method for the numerical resolution of the exterior Bernoulli problem via “partial” gradient
- (3) **Liguo Jiao* and Jae Hyoung Lee** (p.35)
Finding efficient solutions in multiple objective optimization with SOS-convex polynomials under uncertain data

[THO1S1] Regular Talks (chair: Andrzej Cegielski).

- (1) **Watcharaporn Chalamjiak*, Nattawut Pholasa and Suthep Suantai** (p.14)
A modified inertial shrinking projection method for solving inclusion problems and quasi-nonexpansive multivalued mappings
- (2) **Damrongsak Yambangwai, Sukanya Aunruean and Tanakit Thianwan*** (p.117)
A new modified three-step iteration method for G -nonexpansive mappings in Banach spaces with a graph
- (3) **Orawan Tripak* and Suthep Suantai** (p.120)
Strong convergence theorems for G -strictly pseudocontractive mappings on Hilbert spaces with a graph

[THO1S2] Regular Talks (chair: Rabian Wangkeeree).

- (1) **J. Martínez-Moreno** (p.71)
Convergence of an iterative procedure for monotone total asymptotically nonexpansive mappings in CAT(0) space
- (2) **Byoung Jin Choi** (p.12)
Convergence of projection algorithms in CAT(κ) spaces
- (3) **Kasamusuk Ungchittrakool*[◇] and Narongrit Puturong** (p.121)
Existence and convergence for fixed points of a strict pseudo-contraction via an iterative projection algorithm in CAT(0) spaces

[THO2S1] Keynote (chair: Sehie Park).

- (1) **Lai-Jiu Lin** (p.65)
Optimization for the sum of finite functions and quadratic signal recovering problems over split equality fixed point for finite families of countable nonlinear mappings with applications
- (2) **Shuechin Huang** (p.28)
KKM property in Riemannian manifolds
- (3) **Jinlu Li** (p.63)
Fixed point theorems (without continuity) on partially ordered Banach spaces and their applications

[THO2S2] Keynote (chair: Charles Castaing).

- (1) **Gue Myung Lee** (p.62)
On optimality theorems for robust optimization problems
- (2) **Yongdo Lim*, Rajendra Bhatia and Tanvi Jain** (p.64)
Strong convexity of sandwiched entropies and related optimization problems
- (3) **Alexander J. Zaslavski** (p.134)
Subgradient projection algorithm with computational errors

[THO2S3] Keynote (chair: Sompong Dhompongsa).

- (1) **Somyot Plubtieng* and Tadchai Yuying** (p.86)
New algorithms for split equilibrium problems and bilevel equilibrium problems
- (2) **Tomonari Suzuki** (p.111)
Recent results on contractive conditions and fixed point theory
- (3) **Parin Chaipunya and Poom Kumam*** (p.59)
Some proximal point algorithms for optimization in Hadamard spaces

November 8 (Thursday), Afternoon

[THO3S1] Keynote (chair: Jie Sun).

- (1) **Shinji Mizuno** (p.75)
The simplex method for LP and a path of the polyhedron
- (2) **Masahiro Inuiguchi** (p.31)
Flexible treatments of robust constraints with necessity measures in fuzzy linear programming

[THO3S2] Keynote (chair: Do Sang Kim).

- (1) **Jein-Shan Chen** (p.9)
Two approaches for absolute value equation by using smoothing functions
- (2) **Van-Bong Nguyen, Nguyen, Thi Ngan and Ruey-Lin Sheu*** (p.104)
Strong duality in minimizing a quadratic form subject to two homogeneous quadratic inequalities over the unit sphere

[THO3S3] Keynote (chair: Suthep Suantai).

- (1) **Jong-Kyu Kim** (p.48)
New Krasnoselski-Mann iterative method for finding a common solution of hierarchical fixed point problems and split mixed equilibrium problems
- (2) **Jong Soo Jung** (p.36)
Strong convergence of iterative algorithms for accretive operators and nonexpansive mappings in Banach spaces

[THO4S1] Regular Talks (chair: Ryszard Pluciennik).

- (1) **Yoshikazu Kobayashi*[◇] and Naoki Tanaka** (p.52)
Remarks on semigroups of Lipschitz operators in a metric space
- (2) **Kiyoko Furuya[◇]** (p.20)
On some idea to uniqueness of weak solutions to Navier-Stokes equation for large t
- (3) **Nobuyuki Kato[◇]** (p.39)
Linearized stability for abstract age-structured population equations with delay in Banach spaces

[THO4S2] Regular Talks (chair: Sangho Kum).

- (1) **Jutamas Kerdkaew and Rabian Wangkeeree*[◇]** (p.122)
Characterizing robust weak sharp solution sets of uncertain convex optimizations
- (2) **Suparat Kesornprom*, Nattawut Pholasa and Prasit Cholamjiak** (p.44)
On the convergence analysis of the gradient-CQ algorithms for the split feasibility problems
- (3) **Kunrada Kankam*, Nattawut Pholasa and Prasit Cholamjiak** (p.38)
Solving the multiple-sets split feasibility problem and the equilibrium problem by a new relaxed CQ algorithm

[THO4M1] Regular Talks (chair: Fumiaki Kohsaka).

- (1) **Phikul Sridarat* and Suthep Suantai** (p.106)
Common fixed point theorems for multi-valued weak contractive mappings in metric spaces with graphs and its applications
- (2) **Toshiharu Kawasaki** (p.42)
Fixed point and acute point theorems for new mappings in a Banach space
- (3) **N. Chuensupantharat*, P. Kumam, V. Chauhan, D. Singh and R. Menon** (p.16)
Graphic contraction mappings via Graphical b-Metric spaces with applications

[THO4M2] Regular Talks (chair: Kichi-Suke Saito).

- (1) **Hiroshi Miyashita** (p.74)
Convex functions related to graph invariants
- (2) **Eder Kikianty** (p.45)
Angular equivalence of normed spaces
- (3) **Naeem Saleem** (p.100)
Best proximity point results in fuzzy metric spaces

[THO4M3] Regular Talks (chair: Jun Kawabe).

- (1) **Amornrat Sangsuwan* and Kamsing Nonlaopon** (p.101)
The generalized solutions n -th order Cauchy-Euler equation
- Keynote**
- (2) **Hyun-Min Kim** (p.137)
Condition numbers for some different types of nonlinear matrix equation
 - (3) **Felicia Obiageli Isiogugu* and Chinedu Izuchukwu** (p.32)
New iteration scheme for the approximation of a common element of the set of fixed points of a finite family of multi-valued mappings in real Hilbert spaces

November 9 (Friday)

(ANA InterContinental Manza Beach Resort)

TIME	Shell Beach Banquet Room
9:00 10:45	Keynote (FRA1S)
11:05 12:15	Keynote (FRA2S)
12:15 —	Closing Ceremony
	Lunch (Karin)

November 9 (Friday), Morning

[FRA2S] Keynote (chair: Alexander J. Zaslavski).

- (1) **Christiane Tammer** (p.115)
Relationships between constrained and unconstrained multi-objective optimization and application in location theory
- (2) **Hyun-Min Kim** (p.137)
Condition numbers for some different types of nonlinear matrix equation
- (3) **M. Ali Khan and Nobusumi Sagara*** (p.95)
On some recent developments on the Lyapunov convexity theorem and the integration of multifunctions in infinite dimensions

[FRA1S] Keynote (chair: Kazimierz Goebel).

- (1) **Pachara Jairoka and Suthep Suantai*** (p.107)
Split null point problems and fixed point problems demicontractive multivalued mappings
- (2) **Brailey Sims** (p.105)
Douglas-Rachford; 60 years young

