

**The 10th Asian Conference on Fixed Point Theory and Optimizations**  
**Conference Program Overview**  
**16 July 2018**

<i>Time</i>	<i>Activities</i>
7.00-8.30	Registration
8.30-9.00	Opening Ceremony
9.00-9.45	Plenary Lecture 1 Prof. Tyrrell Rockafellar <i>University of Washington, USA</i>
9.50-10.30	Keynote Lectures
10.30-10.50	Break
10.50-12.00	Invited Talks and 3 Parallel Sessions
12.00-13.00	Lunch
13.00-13.45	Plenary Lecture 2 Prof. Wataru Takahashi <i>Tokyo Institute of Technology &amp; Keio University, Japan</i>
13.45-14.00	Group Photo
14.00-15.10	Invited Talks and 6 Parallel Sessions
15.10-15.30	Break
15.30-17.00	Invited Talks and 6 Parallel Sessions

**17 July 2018**

<i>Time</i>	<i>Activities</i>
9.00-9.40	Keynote Lectures
9.40-10.30	Invited Talks and 3 Parallel Sessions
10.30-10.50	Break
10.50-12.00	Invited Talks and 6 Parallel Sessions
12.00-13.00	Lunch
13.00-14.50	Invited Talks and 6 Parallel Sessions
14.50-15.10	Break
15.10-16.30	6 Parallel Sessions
18.00-21.00	Banquet

**18 July 2018**

<i>Time</i>	<i>Activities</i>
9.00-10.30	Invited Talks and 3 Parallel Sessions
10.30-10.50	Break
10.50-11.20	Plenary Lecture 3 Prof. Hung T. Nguyen <i>New Mexico State University, USA and Chiang Mai University, Thailand</i>
11.20-12.05	Plenary Lecture 4 Prof. Sompong Dhompongsa <i>KMUTT Thonburi and Chiang Mai University, Thailand</i>
12.05-12.20	Closing Ceremony
12.20-13.20	Lunch
13.30-18.00	Excursion (Extra costs need to be paid by participants)

**Monday 16th July 2018**

Time (Room 1-3)	Room 1	Room 2	Room 3
7.00-8.30	Registration		
8.30-9.00	Opening Ceremony		
9.00-9.45	Local Convergence of the Proximal Point Algorithm in Optimization <i>Tyrell Rockafellar</i>		
<b>Plenary Lecture</b>	Introduced by: S. Dhompongsa		
Chairs	S. Plubtieng	S. Suantai	N. Petrot
9.50-10.30	Higher-order optimality conditions under Holder metric subregularity <i>P. Q. Khanh</i>	On Recent Results on Inertial Algorithms for Nonlinear Problems with Applications <i>Y. J. Cho</i>	Nonsmooth minimax fractional optimization problems with applications <i>D. S. Kim</i>
<b>Keynote Lectures</b>			
10.30-10.50	Break		
Chairs	P.L. Combettes	P. Kumam	R. Wangkeeree
10.50-11.20	Douglas-Rachford a very versatile algorithm  <i>B. Sims</i>	A proximal minimization algorithm for structured nonconvex and nonsmooth problems  <i>R. I. Bot</i>	Proper efficiency in linear fractional vector optimization  <i>N.D. Yen</i>
<b>Invited Talks</b>			
11.20-11.40	An incremental mirror descent subgradient algorithm with random sweeping and proximal step  <i>A. Böhm</i>	Parallel Extragradient-Proximal Methods for solving split system of fixed point set constraint equilibrium problem in real Hilbert space  <i>A. G. Gebrie</i>	Constraint qualifications for uncertain convex optimization without convexity of constraint data uncertainty  <i>N. Sisarot</i>
11.40-12.00	Asymptotic Centers and Best Proximity Point Theorems  <i>L. Shanjit</i>	A modified iterative method for solving split equilibrium problem and fixed point problem in Hilbert spaces  <i>U. Witthayarat</i>	Weak and strong convergence of hybrid subgradient method for pseudomonotone equilibrium problem and two finite families of multivalued nonexpansive mappings in Hilbert spaces  <i>K. Rattanaseeha</i>
12.00-13.00	Lunch		
13.00-13.45	The Split Common Fixed Point Problem for New Demimetric Mappings in Banach Spaces <i>Wataru Takahashi</i>		
<b>Plenary Lecture</b>	Introduced by: T. Rockafellar		
13.45-14.00	Group Photo		
Chairs	B. Sims	A. Farajzadeh	L. Q. Anh
14.00-14.30	Alternating minimization algorithms for convex minimization problem with application to image deblurring and denoising  <i>P. Kumam</i>	Fixed point results for generalized cyclic compatible contractions  <i>J. Nantadilok</i>	Generalized KKM mappings in Hadamard manifolds  <i>S. Huang</i>
<b>Invited Talks</b>			
14.30-14.50	Fixed point theory for nonlinear mappings, generalized equilibrium problems and variational inequality problems by using hybrid method <i>B. Chalomyotphong</i>	A New Approximation Method for Common Fixed Points of a Finite Family of Nonexpansive Non-self Mappings in Banach Spaces <i>P. Yatakoat</i>	Berinde-Borcut best proximity points with cyclic type contraction  <i>P. Dechboon</i>
14.50-15.10	Fixed point theorems for $(\alpha, \beta) - (\phi, \psi)$ -rational contractive type mappings  <i>Y. Rohen</i>	A modified inertial shrinking projection method for solving inclusion problems and quasi-nonexpansive multivalued mappings  <i>W. Cholamjiak</i>	The viscosity method for the implicit double midpoint rule of nonexpansive mappings in Hilbert spaces  <i>S. Dhakal</i>
15.10-15.30	Break		
Chairs	A. Cegielski	Y. Kimura	S. Huang
15.30-16.00	Proximal Activation of Smooth Functions in Splitting Algorithms for Convex Minimization  <i>P.L. Combettes</i>	Thin sets of constant width  <i>D. Yost</i>	Recent works on the FPP of digital metric spaces  <i>S. E. Han</i>
<b>Invited Talks</b>			
16.00-16.20	Fixed point theorems for Meir-Keeler condensing operator via measure of noncompactness  <i>H. U. Rehman</i>	Strong convergence theorems for the split variational inclusion problem and common fixed point problem for a finite family of quasi-nonexpansive mappings in Hilbert spaces  <i>V. Boonyasri</i>	
16.20-16.40		Hybrid iterative method for split monotone variational inclusion problem and hierarchical fixed point problem for a finite family of nonexpansive mappings <i>M. Furkan</i>	Robust weak sharp solutions, Subdifferential, Uncertain convex optimization, and Weakly Robust weak sharp efficient solutions  <i>J. Kerdkaew</i>
16.40-17.00	Rapid gradient penalty schemes and convergence for solving constrained convex optimization problem in Hilbert spaces <i>N. Artsawang</i>	Approximation of common solutions to proximal split feasibility problems and fixed point problems in Hilbert spaces <i>W. Khuangsatung</i>	

**Monday 16th July 2018 (Cont.1)**

Time (Room 4-6)	Room 4	Room 5	Room 6
7.00-14.00			
<b>Chairs</b>	<b>C. Klin-eam</b>	<b>S. Phothi</b>	<b>A. Kaewcharoen</b>
14.10-14.30	Lim's Center and Fixed Point Theorems for Isometry Mappings  <i>S. Rajesh</i>	The Halpern iteration procedure with two kinds of mappings in CAT(1) spaces  <i>K. Nakagawa</i>	
14.30-14.50	Some results for generalized Suzuki type Z-contraction in $\eta$ -metric spaces  <i>P. Saipara</i>	The CQ projection method by a finite number of mappings in CAT(1) spaces  <i>S. Naiki</i>	Extragradient Subgradient Methods for Solving Bilevel Equilibrium Problems  <i>T. Yuying</i>
14.50-15.10	Convergence analysis of proximal point algorithms for minimization problems and fixed point problems in nonpositive curvature metric spaces <i>N. Pakkaranang</i>	Strong and $\Delta$ -convergence results for generalized multi-valued nonexpansive mappings in hyperbolic spaces <i>P. Chuadchawna</i>	Continuity properties of solution maps of parametric split equilibrium problems  <i>T. Bantaojai</i>
15.10-15.40	<b>Break</b>		
<b>Chairs</b>	<b>K. Nonlaopon</b>	<b>K. Rattanaseeha</b>	<b>T.Thianwan</b>
15.40-16.00	Fixed Point Results for Multivalued $F$ -Contraction Mappings in $b$ -Metric Like Spaces with Application <i>S. Phiangsungnoen</i>	Approximation of fixed points for Suzuki's generalized non-expansive mappings  <i>F. Ali</i>	Stability of solutions to set optimization problems  <i>D. V. Hien</i>
16.00-16.20		New hybrid algorithms for global minimization of common best proximity points of some generalized nonexpansive mappings in real Hilbert spaces  <i>J. Puangpee</i>	Well-posedness properties in the sense of Bednarczuk for optimization problems by set approach  <i>P. T. Vui</i>
16.20-16.40	Fixed Point Theorems for Generalized Weakly Contractive Mappings in $S$ -Metric Space  <i>S. Chaipornjareansri</i>	On solving the split feasibility problem and the fixed point problem in Banach spaces  <i>P. Sunthrayuth</i>	
16.40-17.00	Topological Structure of Quasi-partial $b$ -metric space and related fixed point theorems  <i>P. Gautam</i>		Algorithms and Convergence Theorems for The Split DC Program  <i>C. Chuang</i>

**Tuesday 17th July 2018**

Time (Room 1-3)	Room 1	Room 2	Room 3
Chairs	W. Takahashi	S. Suantai	D. S. Kim
9.00-9.40	Fixed point set for semigroup of mappings on Banach spaces related to harmonic analysis	Critical Multipliers in Variational Analysis	Existence and Approximation Theories for Quasi Variational Inequalities
<b>Keynote Lectures</b>	<i>A. T. Lau</i>	<i>B. S. Mordukhovich</i>	<i>C. Tammer</i>
9.40-10.10	On weak subdifferentials	On some classes of regular quasi-nonexpansive operators	Fixed points of vicinal mappings in complete CAT(1) spaces
<b>Invited Talks</b>	<i>A. Farajzadeh</i>	<i>A. Cegielski</i>	<i>F. Kohsaka</i>
10.10-10.30		Dynamical system of the split variational inequality problems on Hilbert space	On the Asian option approached by fixed point of generalized Banach contraction mappings
		<i>J. Tangkhawiwetkul</i>	<i>W. Sintunavarat</i>
10.30-10.50	Break		
Chairs	S. E. Han	R.I. Bot	D. Yost
10.50-11.20	Resolvents on complete geodesic spaces and iterative schemes	Studies on qualitative properties of solutions to set optimization problems	Posture-based Gait Recognition
<b>Invited Talks</b>	<i>Y. Kimura</i>	<i>L.Q. Anh</i>	<i>C. Nattee</i>
11.20-11.40	Coincidence point theorem and common fixed point theorem for nonself single-valued almost contractions	Convergence analysis for a new two-step iteration process for G-nonexpansive mappings with directed graphs	Auxiliary problem and algorithm for a generalized mixed equilibrium problem with fuzzy mappings in Hilbert spaces
	<i>P. Sridarat</i>	<i>T. Thianwan</i>	<i>J. Munkong</i>
11.40-12.00			A family of conjugate gradient projection method for nonlinear monotone equations with convex constraints
			<i>A. B. Abubakar</i>
12.00-13.00	Lunch		
Chairs	S. Saejung	B. S. Mordukhovich	C. Nattee
13.00-13.30	Genericity and Stability Results for Semi-Algebraic Variational Inequality Problems	Set-valued analysis, set-valued optimization, set-relations	Maximum Matching for Maximum Profit Multi-Capacitated Fleet Backhaul Management with Due Dates
<b>Invited Talks</b>	<i>G.M. Lee</i>	<i>D. Kuroiwa</i>	<i>C. Likasiri</i>
13.30-13.50	Hybrid Inertial Accelerated Algorithms for Split Fixed Point Problems of demicontractive Mappings and Equilibrium Problems	Proximal-type algorithms for structured nonsmooth nonconvex problem involving linear operator	A fixed point approach to hyperstability of bi Cauchy-Jensen functional equation in Banach spaces
	<i>A. Hanjing</i>	<i>D. Nguyen</i>	<i>P. Kaskasem</i>
13.50-14.10	Iterative process for fixed point theorem of generalized equilibrium problems without some conditions on a quasi-nonexpansive mapping	The proximal point algorithm in complete geodesic spaces with negative curvature	A New Ratio Estimator for Population total in the Presence of Nonresponse under Unequal Probability Sampling without Replacement
	<i>A. Sripattanet</i>	<i>T. Kajimura</i>	<i>C. Ponkaew</i>
14.10-14.30		Iterative sequences for a finite number of resolvent operators on a complete geodesic space	Minimal $S_\beta$ -open sets and Maximal $S_\beta$ -closed sets in topological spaces
		<i>K. Kasahara</i>	<i>A. Jongrak</i>
14.30-14.50		A new iteration scheme for nonexpansive mappings	On the Caratheodory's approximate solution to stochastic differential delay equation
		<i>I. Uddin</i>	<i>Y. Kim</i>
14.50-15.10	Break		
Chairs	I. Inchan	W. Sintunavarat	C. Likasiri
15.10-15.30		On best proximity point of tricyclic mappings	Pebbling in the Cartesian product of a graph and a complete bipartite graph
		<i>T. Sabar</i>	<i>N. Pleanmani</i>
15.30-15.50	Iteration Theorem for G-quasi nonexpansive on Hilbert Space	Best proximity point with presic type generalization	Heuristics for multiple depot vehicle routing problem with truck capacities and split demands
	<i>M. Maneekhat</i>	<i>R. Kenvat</i>	<i>S. Phonin</i>
15.50-16.10	Best proximity point for proximal Berinde nonexpansive mappings on starshaped sets	Existence Theorem and Convergence Theorem for Best Proximity Point of Proximal Multi-valued Nonexpansive Mappings	On convergence speed and local behavior on monotonization in basic self-organizing maps
	<i>N. Bunlue</i>	<i>P. Sarmmeta</i>	<i>M. Hoshino</i>
16.10-16.30			Fenchel-Moreau conjugates of inf-kernel-transforms
			<i>M. De Lara</i>
18.00-21.00	Banquet		

**Tuesday 17th July 2018 (Cont.)**

Time (Room 4-6)	Room 4	Room 5	Room 6
9.00-10.30			
10.30-11.00	Break		
Chairs	N.Ploymaklam	S. Tasena	T. Suksumran
11.00-11.20	Fixed Point Theorems in Partial $b_{v(s)}$ -Metric Spaces  <i>M. S. Abdullahi</i>	Weak convergence theorems for nonlinear hybrid mappings in Banach spaces  <i>S. Atsushiba</i>	Approximating common fixed points for two G-asymptotically nonexpansive mappings with directed graphs  <i>M. Wattanataweekul</i>
11.20-11.40			Two choice behavior of paradise fish investigated by the Banach fixed point theorem  <i>A. Turab</i>
11.40-12.00	Multivalued $(G - F - \Phi)$ Contractions Obtaining Common Fixed Points in G-Metric Spaces  <i>A. Panwar</i>		Weak and Strong Convergence of a Modified Extragradient Method for Variational Inequality Problems  <i>A. Tepphun</i>
12.00-13.00	Lunch		
Chairs	J. Ayaragarnchanakul	S.Phiangsungnoen	J. Nantadilok
13.10-13.30		A modified CQ algorithm for solving the multiple-sets split feasibility problem in Hilbert spaces.  <i>S. Kesornprom</i>	On the stability of a conditional mean value type functional equation with the fixed point method  <i>L. Aiemsomboon</i>
13.30-13.50	Approximate optimality for quasi approximate properly efficient solutions in multiobjective optimization  <i>C. Khanthre</i>	Self-adaptive algorithms with inertial effects for solving the split problem of the demicontractive operators  <i>R. Suparatulatom</i>	Approximate optimality and approximate duality for robust multiobjective problems  <i>T. Sirichunwijit</i>
13.50-14.10	Saddle Point Criteria in Multiobjective Fractional Programming Involving $(p, r)$ -Invex Functions  <i>S. C. Ho</i>	On the splitting method for solving the convex minimization problem  <i>P. Cholamjiak</i>	Existence of solutions for set-valued map quasi-equilibrium problems and fixed point problems on complete metric spaces  <i>N. Puturong</i>
14.10-14.30	Convergence analysis of S-iteration process for discontinuous operators  <i>K. Khammahawong</i>	The split common fixed point problem for multivalued demicontractive mappings and its applications <i>P. Jailoka</i>	Levitin-Polyak well-posedness by perturbations of strong vector mixed quasivariational inequality problems <i>P. Boonman</i>
14.30-14.50	Approximation fixed points of monotone $(\alpha, \beta)$ -nonexpansive mappings in ordered Banach spaces  <i>K. Muangchoo-in</i>	Parallel extragradient-proximal point methods with linesearch for multiple set split equilibrium problems of pseudomonotone mappings in Hilbert spaces <i>P. Chuasuk</i>	Sum of Ultra Maximal Monotone Operators and Operators of Type $(D)$ in Grothendieck Spaces  <i>S. Pattanaik</i>
14.50-15.10	Break		
Chairs	W. Anakkamatee	P.Cholamjiak	K.Ungchittrakool
15.10-15.30	Some fixed point results in b-metric spaces by using new modified R-functions and modified R-contractions with applications <i>O. Yamaod</i>	Fixed Point Optimization Method for Facial Recognition: Accelerations and its Convergence Results <i>N. Nimana</i>	Coincidence point results for mappings and relations via simulation functions with an application <i>K. Sawangsup</i>
15.30-15.50	Common best proximity point theorems for mappings concerning some control functions in non-Archimedean fuzzy metric-like spaces <i>A. Ninsri</i>	On the distributional solutions of fractional differential equations related to Cauchy-Euler equations <i>K. Nonlaopon</i>	Stability of a mixed type additive-quartic functional equation in non-Archimedean spaces  <i>A. Thanyacharoen</i>
15.50-16.10	On phi-fixed point theorem for some discontinuous control functions and its application  <i>P. Kumrod</i>	Numerical Solution to a One-dimensional Groundwater Pollution Measurement Model Through Heterogeneous Soil  <i>W. Timpitak</i>	An improved Hestenes-Stiefel conjugate gradient projection method for system of nonlinear monotone equations  <i>A. A. Muhammed</i>
16.10-16.30			
18.00-21.00	Banquet		

### Wednesday 18th July 2018

Time	Room 1	Room 2	Room 3
Chairs	Y. J. Cho	G. M. Lee	F. Kohsaka
9.00-9.30	Forward-backward algorithms for additive monotone inclusion problems	Characterizations of solution sets of convex optimization problems without convex representation	Fixed point and best proximity point theorems for mappings of Caristi type
<b>Invited Talks</b>	<i>N. Petrot</i>	<i>R. Wangkeeree</i>	<i>S. Saejung</i>
9.30-9.50	Fixed point theory as a tool in decision making	Rate of Convergence for Proximal Methods in Hadamard Spaces	Inducing strong convergence into the asymptotic behaviour of proximal splitting algorithms in Hilbert spaces
	<i>Y. U. Batsari</i>	<i>P. Chaipunya</i>	<i>D. Meier</i>
9.50-10.10	Fixed point theorems for $R$ -contraction mappings in $b$ -metric spaces	Iterative methods for balanced mappings on Hadamard spaces	Weak Convergence Theorem for Nonexpansive Mappings by an Extragradient Method without Monotonicity
	<i>A. Wiriyaopongsanon</i>	<i>T. Hasegawa</i>	<i>T. Seangwattana</i>
10.10-10.30	On Some Stability and Convergence Aspects of Logistic Map Using Iterative Procedures	Some fixed point theorems under $\omega$ -distance functions and its applications to nonlinear matrix equations	Convergence theorems for solving the multiple-sets split feasibility problems
	<i>R. Chugh</i>	<i>C. Mongkolkeha</i>	<i>P. Lohawech</i>
10.30-10.50	Break		
10.50-11.20	Fixed Points in Economics Hung T. Nguyen		
<b>Plenary Lecture</b>	Introduced by: P. Q. Khanh		
11.20-12.05	Work and Friendship Sompong Dhompongsa		
<b>Plenary Lecture</b>	Introduced by: H.T. Nguyen		
12.05-12.20	Closing ceremony		
12.20-13.20	Lunch		
13.20-18.00	Excursion (Extra costs need to be paid by participants)		