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## ASSOCIATE PROFESSOR DR.TANAKIT THIANWAN

### CURRENT POSITION

- Vice-Dean for Academic Affairs and Quality Assurance
- Lecturer in Mathematics
- Researcher Code (TRON): 39714

### FIELD OF EXPERTISE

Fixed Point Theory and Applications, Geometric Property of Banach Spaces, Functional Analysis, Optimization, Signal and image processing.

### RESEARCH INTERESTS

Earlier main interests are in the fixed point theory and applications, Mathematical optimization and Signal processing and image restoration. 2000 Mathematics Subject Classification: 46T99 · 47H09 · 47H10 · 47J25 · 49M37 · 54H25

### PERSONAL

- Date of birth: March 19, 1979
- Place of birth: Nakhonsawan, Thailand
- Married to: Mrs. Sita Thianwan (2 children)
- Son: Chonnatat Thianwan
- Daughter: Kemjira Thianwan

### CAREER TO DATE

Career as the Lectuere in Mathematics at University of Phayao on May 1, 2003

### WORK HISTORY

- Lecturer in Mathematics Department
- Assistant to the Head of School of science, University of Phayao: in Research and Quality Assurance
- Head of Mathematical Programs, University of Phayao
- Research Director of Phayao University: in Administration
- Mathematical Power of Senior High School: M.P.S. Program (Coordinator)
- Deputy dean of School of science since, 2010 -2013
- Board of Directors Faculty of Science, 2017-2019
- Vice-Dean for Academic Affairs and Quality Assurance, 2020

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## HONOURS AND AWARDS

- The Grant support of the year 2006 from The Graduate School of Chiang Mai University, Thailand
- The honorable mention Thesis Award of the year 2008 from the National Research Council of Thailand on his graduation with a Ph.D. from Chiang Mai University, Thailand (Inventor's Day and International Inventor's Day Convention 2009)
- 2000 Outstanding Intellectuals of the 21st Century 2009/2010: TOP 100 EDUCATORS 2009 (The International Biographical Centre is a trading name of Melrose Press Ltd (registered in Great Britain No. 965274) Registered Office at St Thomas' Place, ELY, Cambridgeshire, CB7 4GG, GREAT BRITAIN)
- Outstanding personnel award, science and technology, University of Phayao, year 2020

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## EDUCATION

### PRIMARY SCHOOL

Photisan Suksa School, Nakhonsawan, Thailand, 1985 – 1990

### SECONDARY SCHOOL

Photisan Suksa School, Nakhonsawan, Thailand, 1985 – 1990

### BSC (MATHEMATICS)

GPA:= 3.27 - Naresuan University, Phitsanuloke, Thailand, 1997 – 2001

### MSC (MATHEMATICS)

GPA:= 3.95 - Chiang Mai University, Chiang Mai, Thailand, 2001 – 2003

### PHD (MATHEMATICS)

GPA:= 4.00 - Chiang Mai University, Thailand, 2004 – 2007

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## MEMBERSHIPS/COMMITTEE

### MEMBERSHIPS

- Naresuan University Journal, Naresuan University, Thailand
- Center for Promotion of Mathematical Research of Thailand (CEPMART)

### COMMITTEE

- International Program and Local Organizing Committees The 11th Asian Conference on Fixed Point Theory and Optimization 2020 (ACFPTO2020) will be held at Siam Bayshore, Pattaya, Thailand, during July 15 – 18, 2020
- Associate Editors, UP International Journal of Science and Technology (UPJST)

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## COURSES TAUGHT

### BACHELOR DEGREE

- Mathematics I, Code: 252111: 2003 – 2004
- Introductory of Mathematics, Code: 252111: 2003 – 2007
- General Mathematics, Code: 001142: 2003 – 2004

- Business Mathematics, Code: 231100: 2003 – 2004
- Discrete Mathematics, Code: 252351: 2003 – 2008
- Introduction to Complex Variables, Code: 252313: 2007 – 2009
- Calculus II, Code: 252183: 2007 – 2008
- Calculus II, Code: 252183: 2012
- Calculus I, Code: 252182: 2008 – 2010
- Analysis I, Code: 252312: 2009 – 2012
- Essential Mathematics for Life in the Information Age, Code: 1101:2009
- Mathematics and Statistics, Code: 1101: 2009
- Group Theory, Code: 252423: 2009 – 2012
- Introduction to Topology, Code: 252461, 241431: 2011 – 2017
- Seminar, Code: 252491, 241421: 2011 – 2020
- Mathematics I, Code: 241111: 2012 – 2020
- Mathematical Analysis I, Code: 241222: 2013 – 2017
- Mathematics II, Code: 241112: 2014
- Professional Training, Code: 252494, 241442: 2014 – 2021
- Senior Project, Code: 241422: 2015 – 2021
- Independent Study, Code: 241441: 2014 – 2021
- Introduction to Complex Variables, Code: 241322: 2016 – 2017
- Introduction to Complex Analysis, Code: 252314: 2014
- Discrete Mathematics, Code: 241334: 2018 – 2019
- Principles of Mathematics, Code: 241121: 2020
- Computational Fundamentals, Code: 241121: 2021

#### **MASTER'S DEGREE**

- Real Analysis, Code: 241711: 2014 – 2021
- Thesis, Code: 241751: 2015 – 2019
- Seminar II, Code: 241751: 2015 – 2019
- Banach Space Theory, Code: 241713: 2017 – 2019
- Fixed Point Theory and Applications, Code: 241714: 2014 – 2020
- Iterative Methods for Fixed Point Problems in Hilbert Spaces, Code: 241714: 2019 – 2021
- Thesis, Code: 241751: 2018 – 2020
- Selected Topics in Analysis, Code: 241717: 2019 – 2020
- Seminar II, Code: 241742: 2019 – 2020

#### **DOCTOR OF PHILOSOPHY PROGRAM**

- Selected Topics in Advanced Mathematics, Code: 241801: 2019-2021
- Fixed Point Theory and Applications, Code: 241813: 2019 – 2020
- Optimization Methods and Applications, Code: 241812: 2019 – 2020

- Iterative Methods for Fixed Point Problems in Hilbert Spaces, Code: 241714: 2019 – 2020
- Optimality Conditions in Convex Optimization, Code: 241811: 2020
- Dissertation, Code: 241851: 2019 – 2021
- Seminar II, Code: 241842: 2019
- Seminar III, Code: 241843: 2020
- Seminar IV, Code: 241844: 2020
- Thesis, Code: 241751: 2018 – 2021

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SCHOLARSHIP / GRANT  
SUPPORT OF  
MATHEMATICAL PROJECTS

- The Centre of Excellence in Mathematics Research Fund, 2010 – 2013 “Fixed Point Theorems and Convergence Theorems for Nonexpansive and Generalized Nonexpansive Mappings with Applications” (Supported by the Centre of Excellence in Mathematics and the Commission on Higher Education, Thailand)
- Higher Education Research Promotion: HERP (R020054316001), 2011 – 2012 “Convergence Criteria of Modified Noor Iterations with errors for Three Asymptotically Nonexpansive Nonself-Mappings” (Supported by the Commission on Higher Education, Thailand)
- Research Grant for New Scholar Young Researcher (MRG5380226), 2010 – 2012 “Iterative algorithms for finding common solutions of equilibrium problems, variational Inequality problems and fixed point problems” (Supported by the Thailand Research Fund and the Commission on Higher Education, Thailand)
- Phayao University Research Fund, 2010 – 2011 “Weak and Strong Convergence of an Implicit Iteration Process for a Finite Family of Asymptotically Quasi Nonexpansive Mappings” (Supported by Phayao University, Thailand)
- Research Grant for New Scholar Young Researcher (MRG5180036), 2008 – 2010 “Iterative Schemes for Approximation of Fixed Points of Nonexpansive and Asymptotically Nonexpansive Mappings in a Banach Space” (Supported by the Thailand Research Fund and the Commission on Higher Education, Thailand)
- Phayao University Research Fund, 2008 – 2009 “Weak and Strong Convergence Theorems of Fixed Point Iterations for Nonexpansive and Asymptotically Nonexpansive Mappings in a Banach Space” (Supported by Phayao University, Thailand)
- The Thailand Research Fund (RGJ Project), The Royal Golden Jubilee Grant PHD/0160/2004, 2004 – 2006 “Fixed Point Iterations for Nonexpansive and Asymptotically Nonexpansive Mappings in a Banach Space (Supported by the Thailand Research Fund)
- Scholarship University Developing Commissions (UDC) Grant, Ministry of University Affairs, Thailand, 2004 – 2006 (Supported by the Commission on Higher Education and Phayao University, Thailand)

- Scholarship University Developing Commissions (UDC) Grant, Ministry of University Affairs, Thailand, 2001 - 2002 (Supported by the Commission on Higher Education and Phayao University, Thailand)
- Phayao University Research Fund, 2008
- TRF Research Grant for New Scholar Year 2008
- Phayao University Research Fund, 2010
- TRF Research Grant for New Scholar Year 2010
- Higher Education Research Promotion: HERP (R020054316001), 2011
- The Centre of Excellence in Mathematics Research Fund, 2010
- National Research Council of Thailand (R020058216001), 2015
- National Research Council of Thailand (RD60062), 2017
- Research group in fixed point theory and mathematical analysis, 2018
- Unit of Excellence in mathematics (UoE60001), 2018
- National Research Council of Thailand (project code: 52331), 2021

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#### VISITING PROFESSOR

2007 Granted for a 2-month research fellow scholarship working with Professor Wataru Takahashi (Supported by The Thailand Research Fund): Department of Mathematical and Computing Sciences, Tokyo Institute of Technology Meguro, Tokyo 152-8552, JAPAN

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#### ACADEMIC ACTIVITIES

- A Ph.D. dissertation committee 2009: Iterative Methods for Fixed Point Problems of Nonlinear Mappings and Mixed Equilibrium Problems, Department of Mathematics, Chiang Mai University, Chiang Mai, Thailand
- A Ms.C. dissertation committee 2010: Noor Iterations for Asymptotically Nonexpansive Mappings in  $CAT(0)$ , Department of Mathematics, Chiang Mai University, Chiang Mai, Thailand
- A Ms.C. dissertation committee 2015 – 2019 : University of Phayao, Phayao, Thailand
- Supervisor of undergraduate project, 2010-2012
- Supervisor of graduate project (MSc), Fixed Point iterations for asymptotically nonexpansive maps in  $CAT(0)$  space and Banach spaces, 2015
- Supervisor of graduate project (MSc), Fixed point algorithms for nonself generalized asymptotically quasi-nonexpansive mappings and G-nonexpansive mappings, 2019

- Supervisor of graduate project (PhD), 2019
- Ms.C. and Ph.D. dissertation, University of Phayao, Phayao, Thailand.

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**POSITIONS IN  
INTERNATIONAL JOURNALS/  
COMMITTEE:**

- Associate Editors of UP International Journal of Science and Technology
- Lead Guest Editor: Prof. Tanakit Thianwan (Journal of Inequalities and Special Functions) Special issue on “International Conference on Mathematical Analysis and its Application” Dedicated to Professor M. Mursaleen Journal of Inequalities and Special Functions, ISSN 2217-4303
- International Program and Local Organizing Committees The 11th Asian Conference on Fixed Point Theory and Optimization 2020 (ACFPTO2020) will be held at Siam Bayshore, Pattaya, Thailand, during July 15 – 18, 2020
- Organizing Committees: The international workshop on Digital Image Processing and Machine Learning 2021 (IWDM2021), 20-21 August 2021, Virtual Workshop

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**REVIEWER OF THE  
FOLLOWING JOURNALS:**

- Journal of Applied Mathematics and Computing (Scopus/WoS)
- Computers & Mathematics with Applications (Scopus/WoS)
- Journal of Computational and Applied Mathematics (Scopus/WoS)
- Journal of Inequalities and Applications (Scopus/WoS)
- Applied Mathematics-A Journal of Chinese Universities (Scopus/WoS)
- Thai Journal of Mathematics (Scopus/WoS)
- International Journal of Computer Mathematics (Scopus/WoS)
- Abstract and Applied Analysis (Scopus)
- Journal of Nonlinear Analysis and Optimization: Theory & Applications (MathSciNet/TCI/zbMATH)
- Applied Mathematics Letters (Scopus/WoS)
- Journal of Mathematics and Mathematical Sciences (Scopus/ESCI/MathSciNet)
- Journal of Nonlinear and Convex Analysis (Scopus/WoS)
- Numerical Algorithms (Scopus/WoS)
- Nonlinear Functional Analysis & Applications (Scopus)
- Results in Nonlinear Analysis (DOAJ)
- Journal of Function Spaces (Scopus)
- Springer Maths Proceedings (Scopus Indexed)

NATIONAL AND  
INTERNATIONAL  
PROFESSIONAL ACTIVITY

**NATIONAL PROFESSIONAL ACTIVITY**

- The 1st Naresuan Research Conference, Naresuan University (Thailand, 2005)
- RGJ – Ph.D. Congress VII (Thailand, 2006)
- The 1st Conference on Fixed Point Theory and Applications 2006, Burapha University (Thailand, 2006)
- The Twelfth Annual Meeting in Mathematics 2007, Burapha University (Thailand, 2007)
- The 24th Annual Meeting in Mathematics (AMM 2019) will be held at Central Laboratory, Faculty of Science, Burapha University, Chonburi, Thailand, during May 15-17, 2019. Invited Speaker
- Workshop on Fixed Point Theory and Applications, Chiang Mai University (Thailand, 2007)
- The 13th Annual Meeting in Mathematics 2008, Srinakharinwirot University (Thailand, 2008)
- The 5th Naresuan Research Conference, Naresuan University (Thailand, 2009)
- The 9th TRF-CHE Research Conference, Holiday Inn Resort Regent Beach Cha-Am, Petchburi, October 15-19, 2009 (Thailand, 2009)
- Workshop on Fixed Point and Nonlinear Analysis, Chiang Mai University (Thailand, 2010)
- The 15th Annual Meeting in Mathematics (AMM2010), King Mongkut's University of Technology North Bangkok, March 11-12, 2010 (Thailand, 2010)
- The 10th TRF-CHE Research Conference, Holiday Inn Resort Regent Beach Cha-Am, Petchburi, October 14-16, 2010 (Thailand, 2010)
- National Science and Technology Development Agency :NN. NSTDA Conference, January 27, 2012, Empress International center, Empress Hotel, Chiang Mai (Thailand, 2012)
- The 12th TRF-CHE Research Conference, Holiday Inn Resort Regent Beach Cha-Am, Petchburi, October 10-12, 2012 (Thailand, 2012)
- The 5th Science Research Conference, March 4-5, 2013, University of Phayao (Thailand, 2013)
- Annual Pure and Applied Mathematics Conference 2017, June 28 – 30, 2017 Chulalongkorn University, Bangkok (Thailand, 2006)
- The Workshop on Fixed Point Theory and Optimization (WFPTO), 17-18 January 2020, Department of Mathematics, Faculty of Science, Chiang Mai University (Thailand, 2010)
- Invited speaker in the 12th National Science Research Conference 6-7 May 2021, Naresuan university, Phitsanulok Province, Thailand.

### **INTERNATIONAL PROFESSIONAL ACTIVITY**

- The Asian Mathematical Conference 2005 (AMC2005), National University of Singapore (NUS) (Singapore, 2005)
- International Conference on Mathematical Analysis and Applications (ICMAA 2006), Chulalongkorn University, Bangkok (Thailand, 2006)
- The 5th International Conference on Nonlinear Analysis and Convex Analysis (NACA2007), National TsingHuaUniversity, Hsinchu (Taiwan, 2007)
- The 8th international conference on fixed point theory and its applications (ICFPTA2007), Chiang Mai University, Chiang Mai (Thailand, 2007)
- The 9th International Conference on Nonlinear Functional Analysis and Applications (ICNFAA2007), Kyungnam University and Gyeongsang National University (Korea, 2007), Invited Speaker
- 2007 RIMS International Workshop on Nonlinear Analysis and Convex Analysis and Japan -Thailand Joint Seminar on Fixed Point Algorithms Optimization, Research Institute for Mathematical Sciences, Kyoto (Japan, 2007)
- The 2nd conference on fixed point theory and applications (CFPTA 2008), Rajabhat University, Chantaburi (Thailand, 2008)
- The Sixth International Conference on Nonlinear Analysis and Convex Analysis (NACA2009), Tokyo Institute of Technology, Tokyo (Japan, 2009)
- The 4th Conference on Fixed Point Theory and Applications (FPTA2010), King Mongkut's University of Technology Thonburi (KMUTT), Bangkok, July 23-24, 2010 (Thailand 2010), Committee & Invited Speaker
- The Second Asian Conference on Nonlinear Analysis and Optimization (NAO-Asia 2010) September 9-12, 2010, Royal Paradise Hotel & Spa Patong beach, Phuket (Thailand, 2010)
- the 10th Asian Conference on Fixed Point Theory and Optimization 2018 (ACFPTO2018) July 16-18, 2018, Empress International center, Empress Hotel, Chiang Mai (Thailand, 2018)
- the 6th Asian Conference on Nonlinear Analysis and Optimization (NAO-Asia 2018) held at Onnason in Okinawa, Japan and in the period November 5–9, 2018
- Plenary talk in "International Conference on Mathematical Analysis and its Applications (ICMAA-2019)" which will be held at South Asian University, New Delhi-110021, India during December 14-16, 2019
- The 2nd International Workshop on Applied Nonlinear Analysis (IWANA2019), 12-14 September 2019, Chonburi, Thailand



- Participated in Workshop on Nonlinear Analysis Involving Convex Programming and Applications to Optimization Problems” October, 22 (2019), School of Science, University of Phayao, Phayao, Thailand
- Oral presentation: International e-Conference on Fixed Point Theory and Its Application to Real World Problems (FPTARWP2020), June 27, 2020, Department of Mathematics, Government Post Graduate Collrgr Maldevta, Raipur, Dehradun (Uttarakhand), India
- Invited speaker: The 12th National Science Research Conference, May 6-7, 2021, Naresuan University, Thailand
- Oral presentation: The 24th international annual symposium on computational science and engineering (ANSCSE24), April 28-30, 2021, Kasetsart University, Kamphaeng Saen Campus, Nakhon Pathom, Thailand

## PUBLICATIONS

### \*CORRESPONDING AUTHOR

- **Sornsak Thianwan**, A Regular Matrix Transformations of Vector-Valued Sequence Spaces. *Thai Journal of Mathematics*, 2003; 1(2): 129-135.
- **Sornsak Thianwan**, Narin Petrot, Suthep Suantai, New Approximation Schemes for Nonexpansive Nonself-Mappings in a Banach Space. *Journal of Nonlinear and Convex Analysis*, 2006; 7(1): 83-93.
- **Sornsak Thianwan**, Suthep Suantai, Weak and Strong Convergence Theorems of New Iterations with Errors for Nonexpansive Nonself-Mappings. *Journal of the Science Society of Thailand (ScienceAsia)*, 2006; 32: 167-171.
- **Sornsak Thianwan**, Suthep Suantai, Convergence Criteria of a New Three-Step Iterations with Errors for Nonexpansive Nonself-Mappings. *Computers & Mathematics with Applications*, 2006; 52: 1107-1118.
- **Sornsak Thianwan**, Suthep Suantai, Weak and Strong Convergence of and Implicit Iteration Process for a Finite Family of Nonexpansive Mappings. *Scientiae Mathematicae Japonicae*, 2007; 66(1): 221-229.
- Saard Youyen, Suthep Suantai, **Sornsak Thianwan**, Some Convexity Properties of Orlicz-Direct Sums of Banach Spaces. *Journal of Mathematical Analysis and Approximation Theory*, 2007; 2(1): 60-71.
- **Sornsak Thianwan**, Approximating Common Fixed Points of Finite Family of Nonexpansive Nonself-Mappings in a Banach Space. *Journal of Mathematical Sciences: Advances and Applications*, 2008; 1(1): 37-60.
- **Sornsak Thianwan**, Weak and Strong Convergence Theorems for New Iterations with Errors for Nonexpansive Nonself-Mapping. *Thai Journal of Mathematics*, 2008; 6(3): 27-38.

- **Sornsak Thianwan**, New Iterations for Approximation of Common Fixed Points of Two Asymptotically Nonexpansive Nonself-Mappings. *Lobachevskii Journal of Mathematics*, 2009; 30(1): 89-95.
- **Sornsak Thianwan**, Common fixed points of new iterations for two asymptotically nonexpansive nonself-mappings in a Banach space. *Journal of Computational and Applied Mathematics*, 2009; 224(2): 688-695.
- **Sornsak Thianwan**, Strong convergence theorems by hybrid methods for a finite family of nonexpansive mappings and inverse-strongly monotone mappings. *Nonlinear Analysis: Hybrid Systems*, 2009; 3(4): 605-614.
- Wariam Chuayjan and **Sornsak Thianwan\***, Strong convergence of a hybrid projection algorithm for equilibrium problems, variational inequality problems and fixed point problems in a Banach space. *Abstract and Applied Analysis*, Volume 2009, Article ID 613524, 22 pages. doi:10.1155/2009/613524.
- **Sornsak Thianwan**, Existence and iterative approximation of fixed points of nonexpansive and asymptotically nonexpansive mappings. *Naresuan University Journal*, 2009; 17(2): 185-190.
- **Sornsak Thianwan**, Approximating Common Fixed Points of Three Asymptotically Quasi-Nonexpansive Mappings in a Banach Space. *Far East Journal of Applied Mathematics*, 2009; 37(1): 1-21.
- **Sornsak Thianwan**, A general iterative algorithm for a finite family of nonexpansive mappings in a Hilbert Space. *Journal of Applied Mathematics and Informatics*, 2010; 28(1-2): 13-30.
- **Sornsak Thianwan**, New fixed point iterations with errors for nonexpansive nonself-mapping. *Chamchuri Journal of Mathematics*, 2010; 2(1): 11–29.
- **Sornsak Thianwan**, Weak and Strong Convergence of an Implicit Iteration Process for a Finite Family of Asymptotically Quasi Nonexpansive Mappings. *Thai Journal of Mathematics*, 2010; 8(3): 105-120.
- Wariam Chuayjan, **Sornsak Thianwan\***, and Boriboon Novaprateep, Strong convergence Theorems for a Finite Family of Asymptotically Quasi-Nonexpansive-Type Nonself-Mappings in Banach Spaces. *Nonlinear Functional Analysis and Applications : NFAA.*, 2010; 15(2): 285-305.
- **Sornsak Thianwan**, New iterations with errors for approximating common fixed points for two generalized asymptotically quasi-nonexpansive nonself –mappings. *Mathematical Notes*, 2011; 89(3): 410–423.
- **Sornsak Thianwan**, A general iterative algorithm for finding common solutions of equilibrium problems, variational inequality problems

and fixed point problems in a Hilbert space. *Proceedings of the 6<sup>th</sup> International Conference on Nonlinear Analysis and Convex Analysis (NACA2009)*, Tokyo, Japan, 2009, 377-402.

- **Tanakit Thianwan**, A general iterative algorithm for equilibrium problems and variational inequality problems in a Hilbert space. *Asian-European Journal of Mathematics*, 2010; 3(4): 687–707.
- **Tanakit Thianwan**, Weak Convergence of the Projection Type Ishikawa Iteration Scheme for Two Asymptotically Nonexpansive Nonself-Mappings. *Abstract and Applied Analysis*, vol. 2011, Article ID 745451, 19 pages, 2011. doi:10.1155/2011/745451.
- **Tanakit Thianwan**, Strong convergence of shrinking projection method for generalized equilibrium problems, variational inequality problems and common fixed points problems in Banach spaces, *Journal of Nonlinear and Convex Analysis*, 2012; 13(2): 233–255.
- **Tanakit Thianwan**, Convergence criteria of modified Noor iterations with errors for three asymptotically nonexpansive nonself-mappings, *Journal of Nonlinear Sciences and Applications*, Volume 6, Issue 3, Pages 152-233 (2013).
- **Tanakit Thianwan**, Strong convergence of a general iterative algorithm for mixed equilibrium, variational inequality and common fixed point problems, *Advances in Pure Mathematics*, 2013, 3, 83-98.
- **Tanakit Thianwan**, Common fixed points iteration processes for two asymptotically pointwise nonexpansive mappings in a Hadamard space, *Journal of Nonlinear and convex analysis*, Volume 16, Number 12, Pages 2441-2451, 2015.
- Nattanawan Pivma and **Tanakit Thianwan\***, "New approximation schemes for two asymptotically perturbed nonexpansive nonself mappings," *Thai Journal of Mathematics*, Volume 14 (2016) Number 2 : 399–416.
- **Tanakit Thianwan**, Convergence theorems for a new iteration scheme for mixed type asymptotically nonexpansive mappings, *J. Fixed Point Theory Appl.*, 20:145, 2018, <https://doi.org/10.1007/s11784-018-0625-3>.
- **Tanakit Thianwan** and Damrongsak Yambangwai, Convergence analysis for a new two-step iteration process for G-nonexpansive mappings with directed graphs, *J. Fixed Point Theory Appl.*, (2019) 21:44 doi.org/10.1007/s11784- 019-0681-3.
- Damrongsak Yambangwai, Sukanya Aunruean and **Tanakit Thianwan\***, A new modified three-step iteration method for G-nonexpansive mappings in Banach spaces with a graph, *Numer. Algor.*, (2019). <https://doi.org/10.1007/s11075-019-00768-w>.
- Kritsadaphiwat Wongyai, **Tanakit Thianwan\***, Projection type Ishikawa iteration with perturbations for common fixed points of two nonself

generalized asymptotically quasi-nonexpansive mappings, *Thai Journal of Mathematics*, Volume 17, Number 3, 843–859.

- Prasit Cholamjiak, **Tanakit Thianwan**, Lanchakorn Kittiratanawasin, Damrongsak Yambangwai, Chonjarern Chairatsiripong, Modified SP-iteration for solving fixed point problem of continuous functions. *Nonlinear Functional Analysis and Applications*, Vol. 24, No. 4 (2019), pp. 735-745.
- Damrongsak Yambangwai, Watcharaporn Cholamjiak, **Tanakit Thianwan**, Hemen Dutta, On a Weight Tri-diagonal Iterative Method and Its Applications. *Soft Computing*, 2020, <https://doi.org/10.1007/s00500-020-05181-3>.
- Chonjaroen Chairatsiripong, Damrongsak Yambangwai, **Tanakit Thianwan\***, Numerical reckoning fixed points for nonexpansive mappings via a faster iteration process and its application to constrained minimization problems, split feasibility problems and image deblurring problems. *Thai Journal of Mathematics*, Volume 18 Number 3 (2020), Pages 1323–1342.
- **Tanakit Thianwan**, Mixed type algorithms for asymptotically nonexpansive mappings in hyperbolic spaces. *European Journal of Pure and Applied Mathematics*, 2021, 14(3), 650–665.
- **Tanakit Thianwan**, A new iteration scheme for mixed type asymptotically nonexpansive mappings in hyperbolic spaces, *Journal of Nonlinear Functional Analysis*, 2021 (2021), Article ID 21, 1–13.
- Damrongsak Yambangwai, **Tanakit Thianwan\***, Convergence point of G-nonexpansive mappings in Banach spaces endowed with graphs applicable in image deblurring and signal recovering problems. *Ricerche mat* (2021). <https://doi.org/10.1007/s11587-021-00631-y>
- Damrongsak Yambangwai, **Tanakit Thianwan\***,  $\Delta$ -Convergence and Strong Convergence for Asymptotically Nonexpansive Mappings on a CAT(0) Space. *Thai Journal of Mathematics* Volume 19 Number 3 (2021) Pages 813–826

• **Another Article will be updated.**

Last Up-dated: September 13, 2021