



June 20, 2025

Research Collaborative Network of the KMUTT FixedPoint Laboratory in Thailand and Beyond

Poom Kumam, Ph.D.

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King Mongkut's University of Technology Thonburi (KMUTT),
Bangkok, Thailand



Research Collaborative Network of the KMUTT Fixed Point Laboratory in Thailand and Beyond

Presentation by

Poom Kumam, Ph.D.

Fixed Point Theory and Application Research Group

King Mongkut's University of Technology Thonburi (KMUTT), Bangkok, Thailand

June 20, 2025



Overview

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- 2 KMUTT Fixed Point Lab: The Journey Begins
- 3 Modus Operandi of KMUTT Fixed Point Lab
- 4 Exploring the Romanian–KMUTT Fixed Point Lab Collaboration
- 5 Notable Achievements Through Global Collaboration
- 6 Beyond Research at the KMUTT Fixed Point Lab



The Journey of Fixed Point Theory Research Group in Thailand



Thailand FPTA Story Year 2000



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Fixed Point Research Lineage in Thailand

S. Dhompongsa

S. Suantai



S. Plubteing

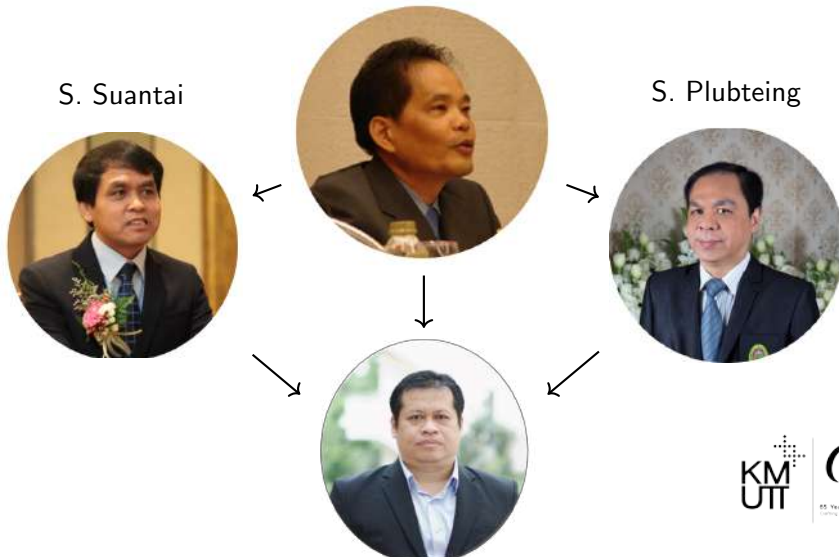


Fixed Point Research Lineage in Thailand

S. Dhompongsa

S. Suantai

S. Plubteing



Fixed Point Research Lineage in Thailand



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KMUTT Fixed Point Lab: The Journey Begins



25 Years: From Geometric Property to Applicable Opt.

Study (Since 2000)

Geometric Property and
Fixed Point Theory in
Modular Spaces



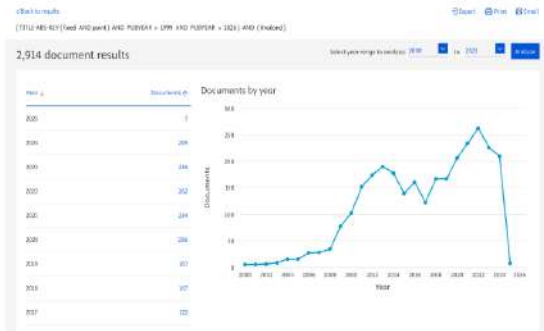
The Kick-up Progression Year: A Collaborative Journey



2003 Poland

A 25-Year Record of Fixed Point Progress in Thailand

2000-2025
(25 Years
Fixed Point
in Thailand)



Location of KMUTT Fixed Point Lab

KMUTTFixed Point Theory and Applications

Research Group



King Mongkut's University of Technology Thonburi

Faculty of Science, Department of Mathematics



Location of KMUTT Fixed Point Lab



**KMUTTFixed Point Research Laboratory,
KMUTT-Fixed Point Theory and Applications Research Group,
Science Laboratory Building, 8th floor, SCL 802 Fixed Point Laboratory
Department of Mathematics, Faculty of Science,
King Mongkut's University of Technology Thonburi (KMUTT),
126 Pracha Uthit Rd., Bang Mod, Thung Khru, Bangkok 10140, Thailand
Email: fixedpointlab@mail.kmutt.ac.th**

Collaboration: The Key to Success



Current Members of the Lab



Modus Operandi of KMUTT Fixed Point Lab

Family Affairs: Togetherness and Brotherhood

We engage in discussions on challenging topics and consider every issue critically. Persistent problems are brought to the chalkboard, where all minds come together to find solutions. We continually encourage one another in navigating the demanding path of academic pursuit.



Training the Young: A Vital Key to Sustained Growth



Family Engagement at the KMUTT Fixed Point Lab



New Year Celebration: A Cheerful Start to the Year



Recharging Through Sports: Boosting Focus and Vitality



Engaging with Prominent Researchers to Spark Ideas



Engaging with Prominent Researchers to Spark Ideas



Academic Engagement: Travel to Succeed



Travel and Networking: Reaching Experts for Academic Success



Travel and Networking: Reaching Experts for Academic Success



Annual Intern Conferences: Num Convex Anal Opt.



Biennial Conferences: Intern Workshop on Nonl. Anal



Sakura Program, Japan



Short-term Research Visits to Various Countries



Short-term Research Visits to Various Countries



Romania – Thailand/KMUTT Fixed Point Lab: A Collaborative Exploration

Building a **CaRe Global Network** for a Sustainable Future

10th

Minisymposium on Nonlinear Analysis
Celebrating 20 Years of Activity of
The Mathematics Doctoral School
in Baia Mare



Collaboration: The Key to Success

Vasile Berinde
2012-2025: 13
Years
Thai-Romania



65 Years of Wisdom
Celebrating 65th Anniversary

Collaboration: The Key to Success



Academic Exchange: Romania (2018)



Thailand – Romania Erasmus Partnership (2019)



Academic Exchange: Romania (2019)



Academic Exchange: Romania (2020-2022)



Academic Exchange: Romania (2023)







CaRe SMS Dinner Talk at Bangkok 2025

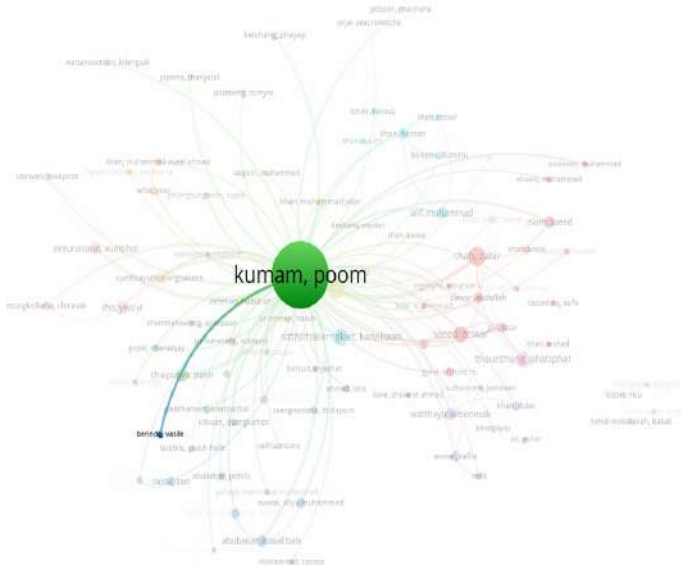
Updating the Existing Memorandum of Understanding



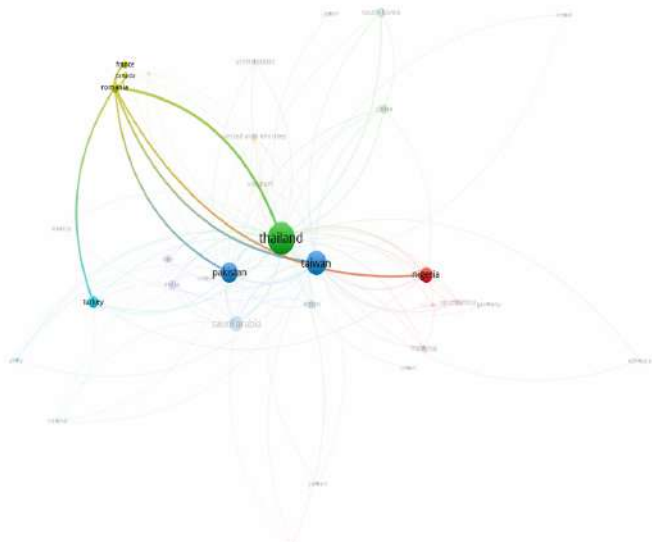
Notable Achievements Through Global Collaboration

A few cases of Romania

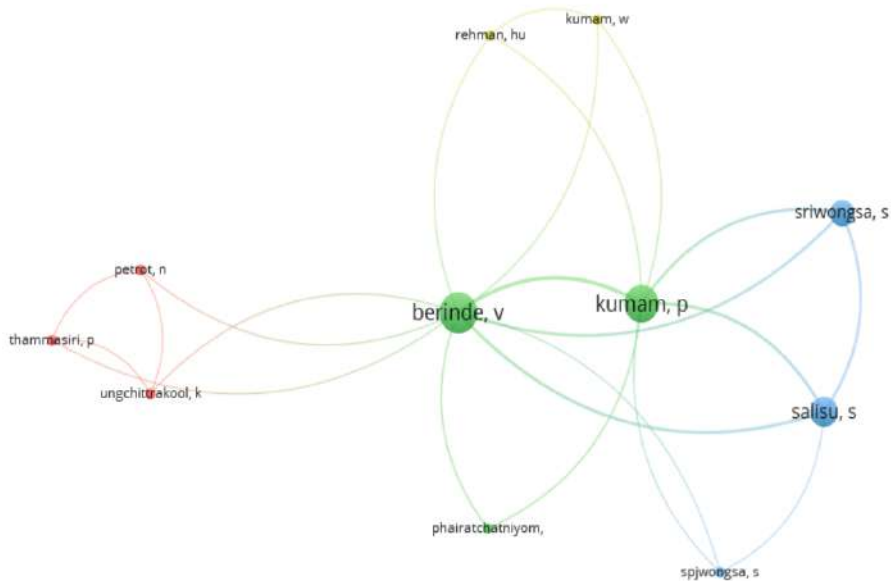
Notable Authors in Collaboration with KMUTT FPL



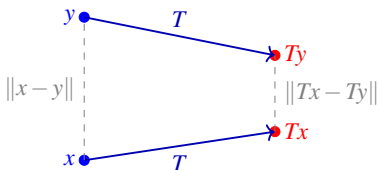
Countries with Substantial Contributions to the KMUTT FPL



Berinde's Research Partners in the KMUTT FPT Cycle



Enriched Nonexpansive Mappings in Linear Spaces



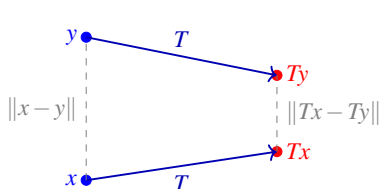
Nonexpansive Mapping

¹V. Berinde, Approximating fixed points of enriched nonexpansive mappings by Krasnoselskij iteration in Hilbert spaces, Carpathian J. Math. **35** (2019), no. 3, 293–304

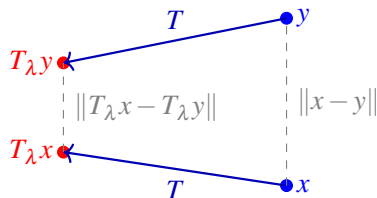
²V. Berinde and M. Păcurar, Approximating fixed points of enriched contractions in Banach spaces, J. Fixed Point Theory Appl. **22** (2020), no. 2, Paper No. 38, 10 pp.

³V. Berinde and M. Păcurar, Recent developments in the fixed point theory of enriched contractive mappings. A survey, Creat. Math. Inform. **33** (2024), no. 2, 137–159

Enriched Nonexpansive Mappings in Linear Spaces



Nonexpansive Mapping



Enriched Nonexpansive^{1,2,3}

$$\text{Enriched Nonex: } \|\alpha(x - y) + Tx - Ty\| \leq (\alpha + 1) \|x - y\|$$

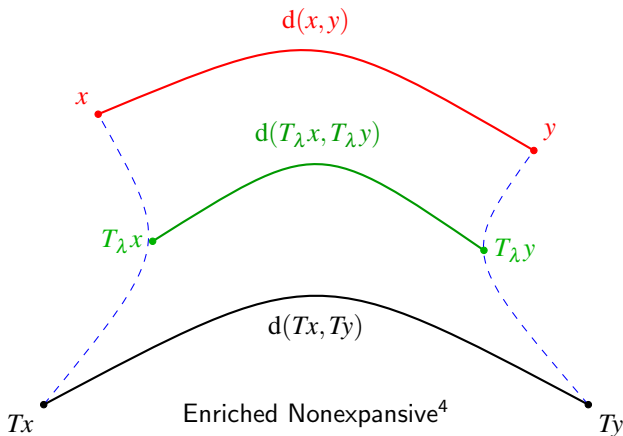
$$\text{Average Map: } T_\lambda x = (1 - \lambda)x + \lambda Tx$$

¹V. Berinde, Approximating fixed points of enriched nonexpansive mappings by Krasnoselskij iteration in Hilbert spaces, Carpathian J. Math. **35** (2019), no. 3, 293–304

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Enriched Nonexpansive in Geodesic Spaces



⁴S. Salisu, P. Kumam and S. Sriwongsa, On fixed points of enriched contractions and enriched nonexpansive mappings, Carpathian J. Math. **39** (2023), no. 1, 237–254

Enriched Nonexpansive Mappings: Our Core Investigations

♣⁵ Existence, uniqueness, and approximation of fixed points via Krasnosel'skii iteration

⁵S. Salisu, P. Kumam and S. Sriwongsa, On fixed points of enriched contractions and enriched nonexpansive mappings, Carpathian J. Math. **39** (2023), no. 1, 237–254

⁶Worapitponga, W., Chaipunyaa, P., Kumamb, P. and Salisub, S., Approximating fixed points of nonexpansive-type mappings in Hadamard spaces, J. Math. Computer Sci. **39** (2025), no. 1, 522–540

⁷S. Salisu et al., On approximating fixed points of strictly pseudocontractive mappings in metric spaces, Carpathian J. Math. **40** (2024), no. 2, 419–430

⁸S. Salisu et al., Approximating fixed points of demicontractive mappings in metric spaces by geodesic averaged perturbation techniques, AIMS Math. **8** (2023), no. 12, 28582–28600

⁹Boonyam et al. Proximal Methods For Equilibrium Problems Over the Set of Fixed Points of Enriched Nonexpansive Mappings, Optim. Eng. (In press)



Enriched Nonexpansive Mappings: Our Core Investigations

- ♣⁵ Existence, uniqueness, and approximation of fixed points via Krasnosel'skii iteration
- ♣⁶ Geometric properties of enriched nonexpansive mappings

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- ♣⁶ Geometric properties of enriched nonexpansive mappings
- ♣⁷ Pseudocontractive mappings as enriched nonexpansive mappings
- ♣⁸ Demicontractive mappings as enriched quasinonexpansive mappings

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- ♣⁶ Geometric properties of enriched nonexpansive mappings
- ♣⁷ Pseudocontractive mappings as enriched nonexpansive mappings
- ♣⁸ Demicontractive mappings as enriched quasinonexpansive mappings
- ♣⁹ Equilibrium problems over fixed point sets of enriched nonexpansive mappings

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Enriched Nonexpansive Mappings: Our Core Investigations

♣¹⁰ Saturation and unsaturation of such mappings

-
- ¹⁰S. Salisu et al., Fixed point properties of saturated and unsaturated contractive mappings in CAT(0) spaces, J. Anal. **33** (2025), no. 2, 903–925
- ¹¹S. Salisu et al., Enriched multi-valued nonexpansive mappings in geodesic spaces, Rend. Circ. Mat. Palermo (2) **73** (2024), no. 4, 1435–1451
- ¹²A. Y. Inuwa et al., Fixed point theorems for enriched Kannan mappings in CAT(0) spaces, Fixed Point Theory Algorithms Sci. Eng. **2023**, Paper No. 13, 21 pp.
- ¹³S. Salisu et al., Viscosity scheme with enriched mappings for hierarchical variational inequalities in certain geodesic spaces, Fixed Point Theory **26** (2025), no. 1, 293–308
- ¹⁴S. Salisu et al., Variational inequality and proximal scheme for enriched nonexpansive mappings in CAT(0) spaces, J. Nonlinear Convex Anal. **25** (2024), no. 7, 1759–1776
- ¹⁵S. Salisu, S. Sriwongsa and P. Kumam, Golden ratio method for solving monotone variational inequality problems in Hadamard spaces, Math. Methods Appl. Sci. **47** (2024), no. 12, 10101–10116



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- ♣¹² Fixed point properties of enriched Kannan and Bianchini-type mappings

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- ♣^{13, 14} Variational inequalities involving enriched nonexpansive
- ♣¹⁵ Perturbed average Methods for Variational inequalities involving enriched nonexpansive Mappings

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Thai–Romanian Collaboration: Recent Contributions

- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom. Fixed point properties of saturated and unsaturated contractive mappings in $CAT(0)$ spaces. J. Anal. 33 (2025), no. 2, 903–925

Thai–Romanian Collaboration: Recent Contributions

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- ♣ Salisu, Sani; [Berinde, Vasile](#); Sriwongsa, Songpon; [Kumam, Poom](#). On approximating fixed points of strictly pseudocontractive mappings in metric spaces. Carpathian J. Math. 40 (2024), no. 2, 419–430.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Salisu, Sani; [Berinde, Vasile](#); Sriwongsa, Songpon; [Kumam, Poom](#). Fixed point properties of saturated and unsaturated contractive mappings in $CAT(0)$ spaces. J. Anal. 33 (2025), no. 2, 903–925
- ♣ Salisu, Sani; Sriwongsa, Songpon; [Kumam, Poom](#); [Berinde, Vasile](#). Viscosity scheme with enriched mappings for hierarchical variational inequalities in certain geodesic spaces. Fixed Point Theory 26 (2025), no. 1, 293–308.
- ♣ Salisu, Sani; [Berinde, Vasile](#); Sriwongsa, Songpon; [Kumam, Poom](#). On approximating fixed points of strictly pseudocontractive mappings in metric spaces. Carpathian J. Math. 40 (2024), no. 2, 419–430.
- ♣ Salisu, Sani; Sriwongsa, Songpon; [Kumam, Poom](#); [Berinde, Vasile](#). Variational inequality and proximal scheme for enriched nonexpansive mappings in $CAT(0)$ spaces. J. Nonlinear Convex Anal. 25 (2024), no. 7, 1759–1776.



Thai–Romanian Collaboration: Recent Contributions

- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom.
On approximating fixed points of strictly pseudocontractive mappings
in metric spaces. Carpathian J. Math. 40 (2024), no. 2, 419–430.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom.
On approximating fixed points of strictly pseudocontractive mappings in metric spaces. Carpathian J. Math. 40 (2024), no. 2, 419–430.
- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom.
Approximating fixed points of demicontractive mappings in metric spaces by geodesic averaged perturbation techniques. AIMS Math. 8 (2023), no. 12, 28582–28600.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom. On approximating fixed points of strictly pseudocontractive mappings in metric spaces. Carpathian J. Math. 40 (2024), no. 2, 419–430.
- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom. Approximating fixed points of demicontractive mappings in metric spaces by geodesic averaged perturbation techniques. AIMS Math. 8 (2023), no. 12, 28582–28600.
- ♣ Phairatchatniyom, Pawicha; Kumam, Poom; Berinde, Vasile. A modified Ishikawa iteration scheme for b -enriched nonexpansive mapping to solve split variational inclusion problem and fixed point problem in Hilbert spaces. Math. Methods Appl. Sci. 46 (2023), no. 12, 13243–13261.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom. On approximating fixed points of strictly pseudocontractive mappings in metric spaces. Carpathian J. Math. 40 (2024), no. 2, 419–430.
- ♣ Salisu, Sani; Berinde, Vasile; Sriwongsa, Songpon; Kumam, Poom. Approximating fixed points of demicontractive mappings in metric spaces by geodesic averaged perturbation techniques. AIMS Math. 8 (2023), no. 12, 28582–28600.
- ♣ Phairatchatniyom, Pawicha; Kumam, Poom; Berinde, Vasile. A modified Ishikawa iteration scheme for b -enriched nonexpansive mapping to solve split variational inclusion problem and fixed point problem in Hilbert spaces. Math. Methods Appl. Sci. 46 (2023), no. 12, 13243–13261.
- ♣ Rehman, Habib Ur; Kumam, Poom; Berinde, Vasile; Kumam, Wiyada. A family of monotonic iterative methods for solving ρ -demicontractive fixed point problems and variational inequalities involving pseudomonotone operators. J. Nonlinear Convex Anal. 24

Thai–Romanian Collaboration: Recent Contributions

- ♣ Taddele, Guash Haile; [Kumam, Poom](#); [Berinde, Vasile](#). An extended inertial Halpern-type ball-relaxed CQ algorithm for multiple-sets split feasibility problem. Ann. Funct. Anal. 13 (2022), no. 3, Paper No. 48, 38 pp.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Taddele, Guash Haile; [Kumam, Poom](#); [Berinde, Vasile](#). An extended inertial Halpern-type ball-relaxed CQ algorithm for multiple-sets split feasibility problem. Ann. Funct. Anal. 13 (2022), no. 3, Paper No. 48, 38 pp.
- ♣ Pakkaranang, Nuttapol; [Kumam, Poom](#); [Berinde, Vasile](#); and Suleiman, Yusuf I. Superiorization methodology and perturbation resilience of inertial proximal gradient algorithm with application to signal recovery. The Journal of Supercomputing 76 (2020), no. 12, 9456-9477.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Taddele, Guash Haile; [Kumam, Poom](#); [Berinde, Vasile](#). An extended inertial Halpern-type ball-relaxed CQ algorithm for multiple-sets split feasibility problem. *Ann. Funct. Anal.* 13 (2022), no. 3, Paper No. 48, 38 pp.
- ♣ Pakkaranang, Nuttapol; [Kumam, Poom](#); [Berinde, Vasile](#); and Suleiman, Yusuf I. Superiorization methodology and perturbation resilience of inertial proximal gradient algorithm with application to signal recovery. *The Journal of Supercomputing* 76 (2020), no. 12, 9456-9477.
- ♣ Kitkuan, Duangkamon; [Kumam, Poom](#); [Berinde, Vasile](#); Padcharoen, Anantachai. Adaptive algorithm for solving the SCFPP of demicontractive operators without a priori knowledge of operator norms. *An. Științ. Univ. “Ovidius” Constanța Ser. Mat.* 27 (2019), no. 3, 153–175

Thai–Romanian Collaboration: Recent Contributions

- ♣ Thammasiri, Purit; [Berinde, Vasile](#); [Petrot, Narin](#), and Kasamsuk Ungchittrakool. Double Tseng's Algorithm with Inertial Terms for Inclusion Problems and Applications in Image Deblurring. *Mathematics* 12 (2024), no. 19, 3138.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Thammasiri, Purit; [Berinde, Vasile](#); [Petrot, Narin](#), and Kasamsuk Ungchittrakool. Double Tseng's Algorithm with Inertial Terms for Inclusion Problems and Applications in Image Deblurring. *Mathematics* 12 (2024), no. 19, 3138.
- ♣ Jailoka, Pachara; [Berinde, Vasile](#); [Suantai, Suthep](#). Strong convergence of Picard and Mann iterations for strongly demicontractive multi-valued mappings. *Carpathian J. Math.* 36 (2020), no. 2, 269–276.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Thammasiri, Purit; [Berinde, Vasile](#); [Petrot, Narin](#), and Kasamsuk Ungchittrakool. Double Tseng's Algorithm with Inertial Terms for Inclusion Problems and Applications in Image Deblurring. *Mathematics* 12 (2024), no. 19, 3138.
- ♣ Jailoka, Pachara; [Berinde, Vasile](#); [Suantai, Suthep](#). Strong convergence of Picard and Mann iterations for strongly demicontractive multi-valued mappings. *Carpathian J. Math.* 36 (2020), no. 2, 269–276.
- ♣ Saksirikun, Warut; [Berinde, Vasile](#); [Petrot, Narin](#). Coincidence point theorems for cyclic multi-valued and hybrid contractive mappings. *Carpathian J. Math.* 35 (2019), no. 1, 85–94.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Thammasiri, Purit; [Berinde, Vasile](#); [Petrot, Narin](#), and Kasamsuk Ungchittrakool. Double Tseng's Algorithm with Inertial Terms for Inclusion Problems and Applications in Image Deblurring. *Mathematics* 12 (2024), no. 19, 3138.
- ♣ Jailoka, Pachara; [Berinde, Vasile](#); [Suantai, Suthep](#). Strong convergence of Picard and Mann iterations for strongly demicontractive multi-valued mappings. *Carpathian J. Math.* 36 (2020), no. 2, 269–276.
- ♣ Saksirikun, Warut; [Berinde, Vasile](#); [Petrot, Narin](#). Coincidence point theorems for cyclic multi-valued and hybrid contractive mappings. *Carpathian J. Math.* 35 (2019), no. 1, 85–94.
- ♣ [Berinde, Vasile](#); Sridarat, Phikul; [Suantai, Suthep](#). Coincidence point theorem and common fixed point theorem for nonself single-valued almost contractions. *Bull. Math. Soc. Sci. Math. Roumanie (N.S.)* 62(110) (2019), no. 1, 51–65.



Thai–Romanian Collaboration: Recent Contributions

- ♣ [Suantai, Suthep](#); Peeyada, Pronpat; [Fulga, Andreea](#); Cholamjiak, Watcharaporn. Heart disease detection using inertial Mann relaxed CQ algorithms for split feasibility problems. AIMS Math. 8 (2023), no. 8, 18898–18918.

Thai–Romanian Collaboration: Recent Contributions

- ♣ Suantai, Suthep; Peeyada, Pronpat; Fulga, Andreea; Cholamjiak, Watcharaporn. Heart disease detection using inertial Mann relaxed CQ algorithms for split feasibility problems. AIMS Math. 8 (2023), no. 8, 18898–18918.
- ♣ Sintunavarat, Wutiphol; Petrușel, Adrian; Kumam, Poom. Common coupled fixed point theorems for w^* -compatible mappings without mixed monotone property. Rend. Circ. Mat. Palermo (2) 61 (2012), no. 3, 361–383.

Thai–Romanian Collaboration: Recent Contributions

- ♣ [Suantai, Suthep](#); Peeyada, Pronpat; [Fulga, Andreea](#); Cholanjiak, Watcharaporn. Heart disease detection using inertial Mann relaxed CQ algorithms for split feasibility problems. AIMS Math. 8 (2023), no. 8, 18898–18918.
- ♣ Sintunavarat, Wutiphol; [Petrușel, Adrian](#); [Kumam, Poom](#). Common coupled fixed point theorems for w^* -compatible mappings without mixed monotone property. Rend. Circ. Mat. Palermo (2) 61 (2012), no. 3, 361–383.
- ♣ [Sintunavarat, Wutiphol](#); [Pitea, Ariana](#). On a new iteration scheme for numerical reckoning fixed points of Berinde mappings with convergence analysis. J. Nonlinear Sci. Appl. 9 (2016), no. 5, 2553–2562.

NDSU Mathematics Genealogy

Poom Kumam

[MathSciNet](#)

Ph.D. Naresuan University 2007



Dissertation: *On Random Approximations and Random Fixed Point Theorems*

Mathematics Subject Classification: 46—Functional analysis

Advisor: [Somyot Plubtieng](#)

Students:

Click [here](#) to see the students ordered by family name.

Name	School	Year	Descendants
Jaiboon, Chaichana	King Mongkut's University of Technology Thonburi	2009	
Wattanasitton, Kriengsak	King Mongkut's University of Technology Thonburi	2009	
Katchang, Phayap	King Mongkut's University of Technology Thonburi	2011	
Jitpeera, Thanyarat	King Mongkut's University of Technology Thonburi	2012	
Onjai-uea, Nawitcha	King Mongkut's University of Technology Thonburi	2012	
Saewan, Siwaporn	King Mongkut's University of Technology Thonburi	2012	
Sintunavarat, Wutiphol	King Mongkut's University of Technology Thonburi	2012	13
Chamnampun, Tanom	King Mongkut's University of Technology Thonburi	2013	
Mongkolkeha, Chirasak	King Mongkut's University of Technology Thonburi	2013	
Phuangphoo, Pongrus	King Mongkut's University of Technology Thonburi	2013	
Witthayarat, Uamporn	King Mongkut's University of Technology Thonburi	2013	



NDSU Mathematics Genealogy

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Katchang, Phayap	King Mongkut's University of Technology Thonburi	2011	
Jitpeera, Thanyarat	King Mongkut's University of Technology Thonburi	2012	
Onjai-uea, Nawitcha	King Mongkut's University of Technology Thonburi	2012	
Saewan, Siwaporn	King Mongkut's University of Technology Thonburi	2012	
Sintunavarat, Wutiphol	King Mongkut's University of Technology Thonburi	2012	13
Chamnampan, Tanom	King Mongkut's University of Technology Thonburi	2013	
Mongkolkeha, Chirasak	King Mongkut's University of Technology Thonburi	2013	
Phuangphoo, Pongrus	King Mongkut's University of Technology Thonburi	2013	
Witthayarat, Uamporn	King Mongkut's University of Technology Thonburi	2013	

Deepho, Jitsupa	King Mongkut's University of Technology Thonburi	2014	
Phiangsungnoen, Supak	King Mongkut's University of Technology Thonburi	2014	
Sunthrayuth, Pongsakorn	King Mongkut's University of Technology Thonburi	2014	
Wairojana, Nopparat	King Mongkut's University of Technology Thonburi	2014	
Wongkum, Kittipong	King Mongkut's University of Technology Thonburi	2015	
Promluang, Khanittha	King Mongkut's University of Technology Thonburi	2016	
Chalpunya, Parin	King Mongkut's University of Technology Thonburi	2017	9
Hunwisai, Darunee	King Mongkut's University of Technology Thonburi	2017	
Khaofong, Chatuphol	King Mongkut's University of Technology Thonburi	2017	
Saipara, Piem	King Mongkut's University of Technology Thonburi	2017	
Sukprasert, Pakeeta	King Mongkut's University of Technology Thonburi	2017	
Sumalai, Phumin	King Mongkut's University of Technology Thonburi	2017	
Komai, Somayya	King Mongkut's University of Technology Thonburi	2018	
Kongban, Chayut	King Mongkut's University of Technology Thonburi	2018	
Chuensupantharat, Nantaporn	King Mongkut's University of Technology Thonburi	2019	
Kitkuan, Duangkamon	King Mongkut's University of Technology Thonburi	2019	
Padcharoen, Anantachai	King Mongkut's University of Technology Thonburi	2019	
Yusuf, Umar	King Mongkut's University of Technology Thonburi	2019	

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Abdullahi, Muhammad	King Mongkut's University of Technology Thonburi	2020
Abubakar, Auwal	King Mongkut's University of Technology Thonburi	2020
Awwal, Aliyu	King Mongkut's University of Technology Thonburi	2020
Borisut, Piyachat	King Mongkut's University of Technology Thonburi	2020
Khammahawong, Konrawut	King Mongkut's University of Technology Thonburi	2020
Muangchoo, Kanikar	King Mongkut's University of Technology Thonburi	2020
Saelee, Sompob	King Mongkut's University of Technology Thonburi	2020
Yordson, Pasakorn	King Mongkut's University of Technology Thonburi	2020
Abubakar, Jamilu	King Mongkut's University of Technology Thonburi	2021
Ahmed, Idris	King Mongkut's University of Technology Thonburi	2021
Hongwiengjan, Wanrya	King Mongkut's University of Technology Thonburi	2021
Jirakitpuwapat, Wacharapong	King Mongkut's University of Technology Thonburi	2021
Khan, Muhammad	King Mongkut's University of Technology Thonburi	2021
Muangchoo-in, Khanitn	King Mongkut's University of Technology Thonburi	2021
Pakkaranang, Nuttapol	King Mongkut's University of Technology Thonburi	2021
Rehman, Habib	King Mongkut's University of Technology Thonburi	2021
Rilwan, Jewaidu	King Mongkut's University of Technology Thonburi	2021
Taddele, Guash	King Mongkut's University of Technology Thonburi	2021
Yimer, Seifu	King Mongkut's University of Technology Thonburi	2021
Aji, Sani	King Mongkut's University of Technology Thonburi	2022
Anwar, Talha	King Mongkut's University of Technology Thonburi	2022
Arfat, Yasir	King Mongkut's University of Technology Thonburi	2022

NDSU Mathematics Genealogy

Abdullahi, Muhammad	King Mongkut's University of Technology Thonburi	2020
Abubakar, Auwal	King Mongkut's University of Technology Thonburi	2020
Awwal, Aliyu	King Mongkut's University of Technology Thonburi	2020
Borisut, Piyachat	King Mongkut's University of Technology Thonburi	2020
Khammahawong, Konrawut	King Mongkut's University of Technology Thonburi	2020
Muangchoo, Kanikar	King Mongkut's University of Technology Thonburi	2020
Saelee, Sompob	King Mongkut's University of Technology Thonburi	2020
Yordorn, Pasakorn	King Mongkut's University of Technology Thonburi	2020
Abubakar, Jamilu	King Mongkut's University of Technology Thonburi	2021
Ahmed, Idris	King Mongkut's University of Technology Thonburi	2021
Hongwiengjan, Wananya	King Mongkut's University of Technology Thonburi	2021
Jirakitpuwapat, Wacharapong	King Mongkut's University of Technology Thonburi	2021
Khan, Muhammad	King Mongkut's University of Technology Thonburi	2021
Muangchoo-in, Khanitn	King Mongkut's University of Technology Thonburi	2021
Pakkaranang, Nuttapol	King Mongkut's University of Technology Thonburi	2021
Rehman, Habib	King Mongkut's University of Technology Thonburi	2021
Rilwan, Jewaldu	King Mongkut's University of Technology Thonburi	2021
Taddele, Guash	King Mongkut's University of Technology Thonburi	2021
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Aji, Sani	King Mongkut's University of Technology Thonburi	2022
Anwar, Talha	King Mongkut's University of Technology Thonburi	2022
Arfat, Yasir	King Mongkut's University of Technology Thonburi	2022

Dechboon, Premyuda	King Mongkut's University of Technology Thonburi	2022
Demba, Musa	King Mongkut's University of Technology Thonburi	2022
Ibrahim, Abdulkarim	King Mongkut's University of Technology Thonburi	2022
Onsod, Wudthichai	King Mongkut's University of Technology Thonburi	2022
Usman, Auwalu	King Mongkut's University of Technology Thonburi	2022
Astfa	King Mongkut's University of Technology Thonburi	2023
Amnuaykarn, Kittisak	King Mongkut's University of Technology Thonburi	2023
Phairatchatniyom, Pawicha	King Mongkut's University of Technology Thonburi	2023
Salisu, Sani	King Mongkut's University of Technology Thonburi	2023
Termkaew, Sakan	King Mongkut's University of Technology Thonburi	2023
Arif, Muhammad	King Mongkut's University of Technology Thonburi	2024
Deeppan, Urairat	King Mongkut's University of Technology Thonburi	2024
Inuwa, Adamu	King Mongkut's University of Technology Thonburi	2024
Khan, Dolat	King Mongkut's University of Technology Thonburi	2024
Murtaza, Saqib	King Mongkut's University of Technology Thonburi	2024
Ramzan, Muhammad	King Mongkut's University of Technology Thonburi	2024
Worapitpong, Wiparat	King Mongkut's University of Technology Thonburi	2024
Yodjai, Petcheraporn	King Mongkut's University of Technology Thonburi	2024
Arzuksa, Ibrahim	King Mongkut's University of Technology Thonburi	2025
Boonyam, Natthaya	King Mongkut's University of Technology Thonburi	2025
Salihu, Nasiru	King Mongkut's University of Technology Thonburi	2025

According to our current on-line database, Poom Kumam has 73 students and 86 descendants.

Most Influential Authors in FPT Research in Thailand¹⁶

R	Author Name	University	TP	TC	H	C/P	D3	D4
1	Kumam, P.	KMUTT	460	7,094	41	15.42	234	225
2	Sintunavarat, W.	Thammasat U	175	3,234	32	18.48	68	107
3	Suantai, S.	Chiang Mai U	175	1,816	22	10.38	59	116
4	Tariboon, J.	KMUTNB	165	2,061	24	12.49	33	132
5	Kangtunyakarn, A.	KMITL	82	413	10	5.04	26	56
6	Sitthiwiratham, T.	Suan Dusit U	75	628	15	8.37	10	65
7	Saejung, S.	Khon Kaen U	72	1,088	15	15.11	36	36
8	Cholamjiak, P.	U Phayao	72	855	11	11.88	31	41
9	Wangkeeree, R.	Naresuan U	67	443	12	6.61	56	11
10	Plubtieng, S.	Naresuan U	65	926	16	14.25	42	23
11	Panyanak, B.	Chiang Mai U	50	1,709	14	34.18	26	24
12	Sudstad, W.	Ramkhamhaeng U	49	540	15	11.02	9	40
13	Cholamjiak, W.	U Phayao	43	456	13	10.6	10	33
14	Sitthithakerngkiet, K.	KMUTNB	42	432	13	10.29	7	35
15	Petrot, N.	Naresuan U	42	320	10	7.62	21	21
16	Kaewcharoen, A.	Naresuan Uy	39	344	12	8.82	17	22
17	Phuengratana, W.	Nakhon Pathom Rajabhat U	38	519	8	13.66	14	24
18	Dhompongsa, S.	KMUTT	37	1,366	13	36.92	30	7
19	Kumam, W.	RMUTT	36	249	9	6.92	11	25
20	Charoensawan, P.	Chiang Mai U	36	84	7	2.33	16	30

¹⁶R = Rank; TP = Total papers; TC = Total citations; H = h-index; C/P = Cite/paper; D3 = 2005-2014; D4 = 2015-2024

Most Productive and Influential Thai Institutions in FPT¹⁷

R	Institution	TP	TC	H	C/P	D3	D4
1	KMUTT	512	7,563	42	14.77	238	270
2	Chiang Mai U	372	4,716	30	12.68	135	236
3	KMUTNB	331	3,655	29	11.04	41	290
4	Naresuan U	260	2,560	24	9.85	157	103
5	Thammasat U	177	1,804	22	10.19	42	135
6	Khon Kaen U	147	2,116	21	14.39	40	107
7	U Phayao	141	1,123	19	7.96	26	115
8	KMITL	96	721	11	7.51	25	71
9	Khon Kaen U	95	987	14	10.39	11	84
10	RMUTT	80	432	12	5.4	11	69
11	Chulalongkorn U	73	1,810	17	24.79	26	40
12	Mahidol U	71	1,517	21	21.37	24	46
13	Suan Dusit U	55	305	10	5.55	0	55
14	RMUT Lanna	48	264	9	5.5	30	18
15	Burapha U	46	525	10	11.41	0	36
16	Rambhai Barni Rajabhat U	45	524	11	11.64	0	35
17	Lampang Rajabhat U	38	85	5	2.24	0	37
18	Nakhon Pathom Rajabhat U	36	219	7	6.08	0	31
19	RMUT Rattanakosin	34	272	10	8.0	0	25
20	Prince Songkla U	25	160	7	6.4	0	18

¹⁷R = Rank; TP = Total papers; TC = Total citations; H = h-index; C/P = Cite/paper; D3 = 2005-2014; D4 = 2015-2024



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Collaboration with
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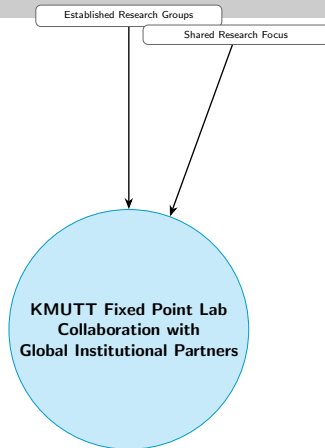
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Established Research Groups

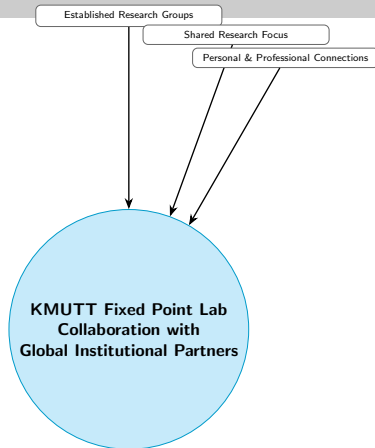


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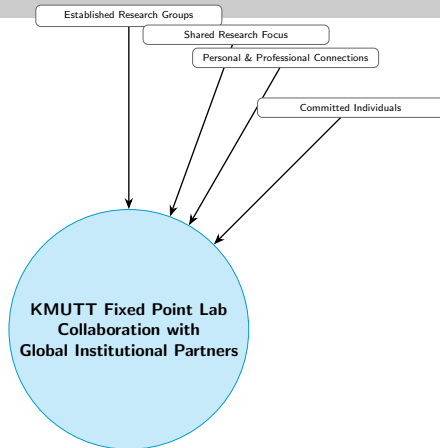
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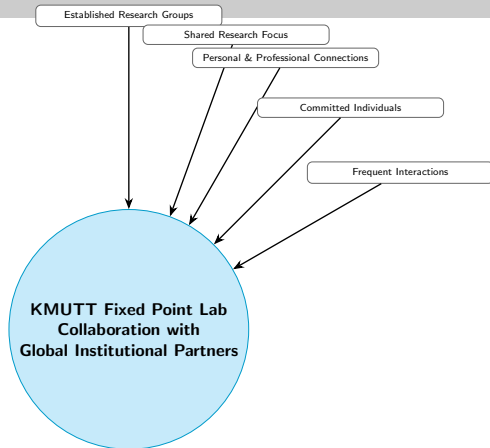
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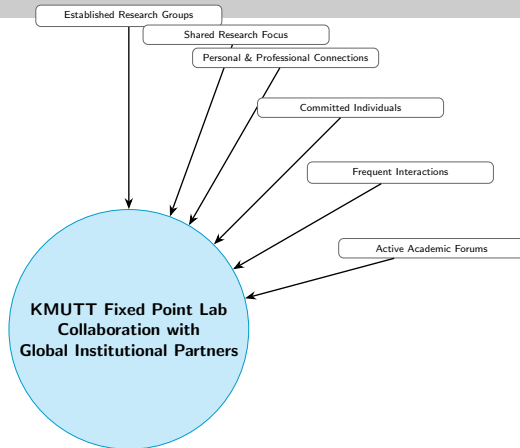
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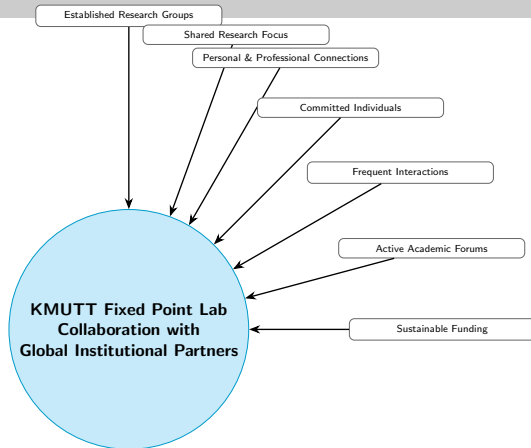
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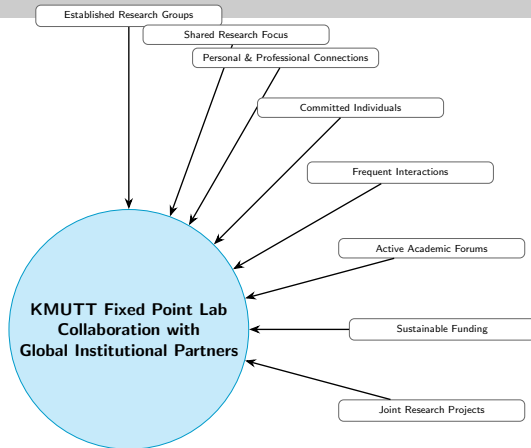
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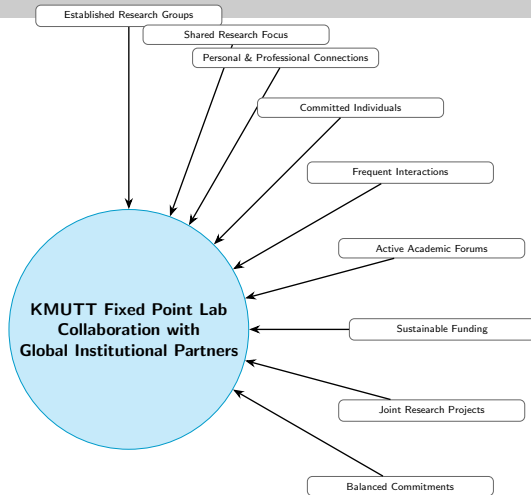
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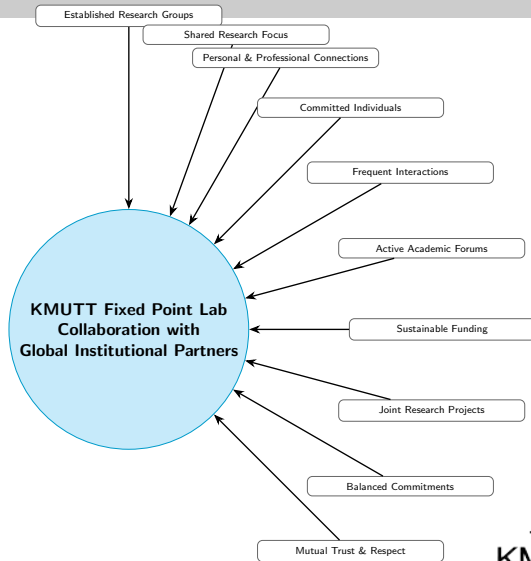
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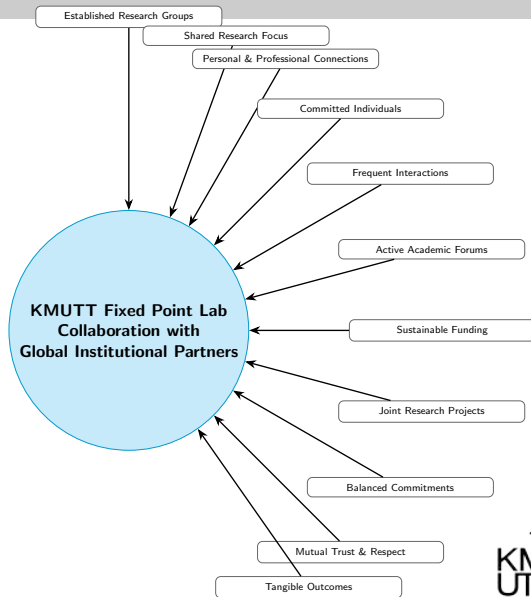
Strategic Achievements of the KMUTT FPL Partnerships



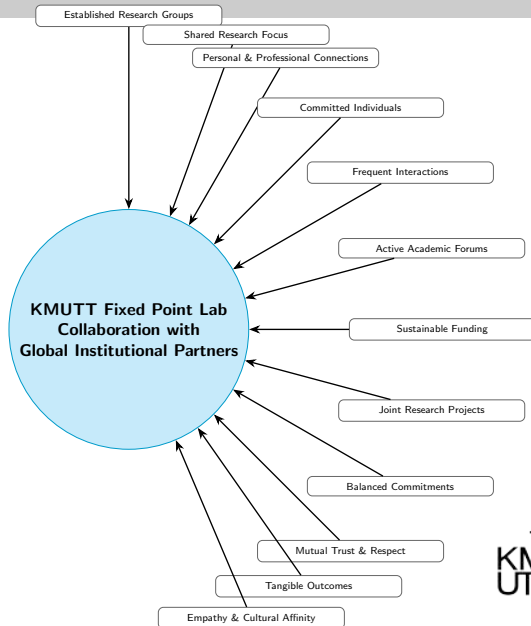
Strategic Achievements of the KMUTT FPL Partnerships



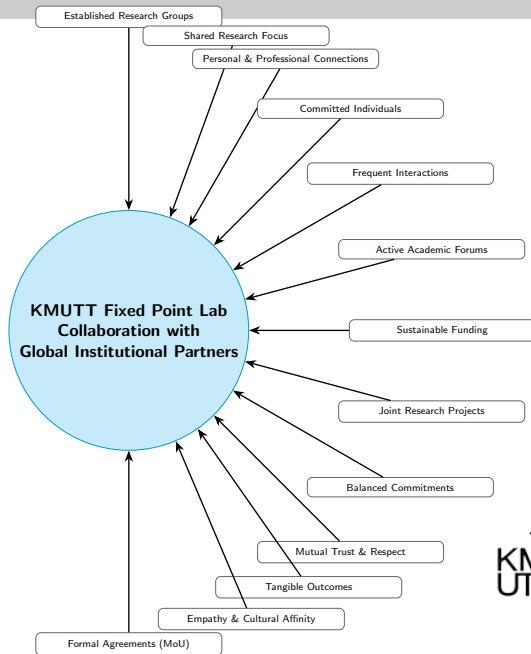
Strategic Achievements of the KMUTT FPL Partnerships



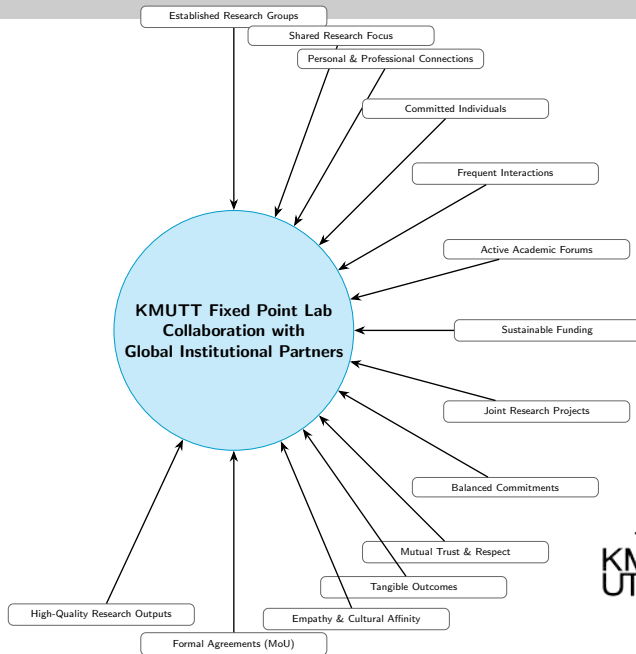
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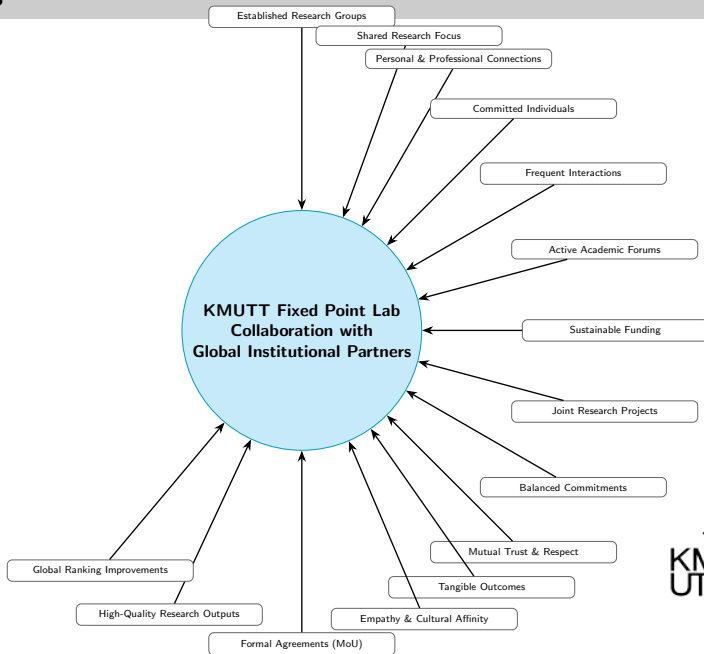
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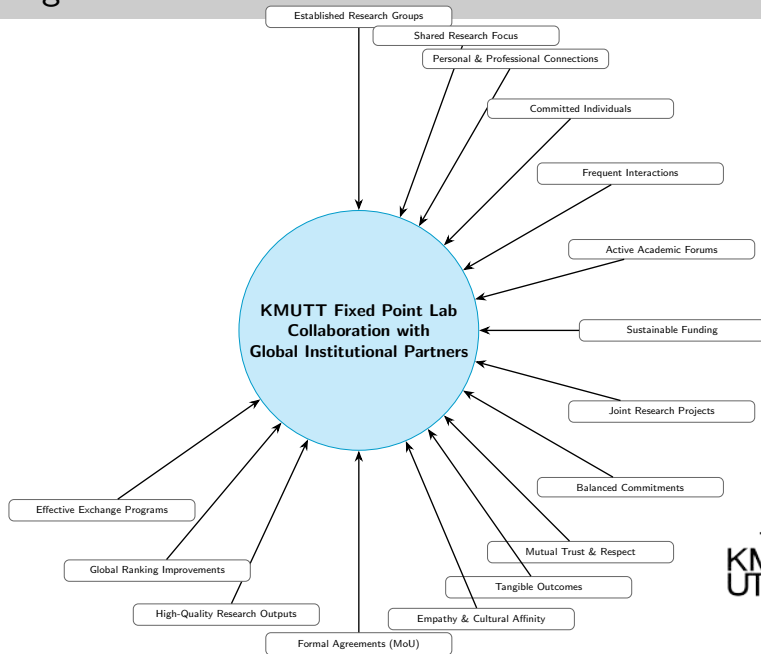
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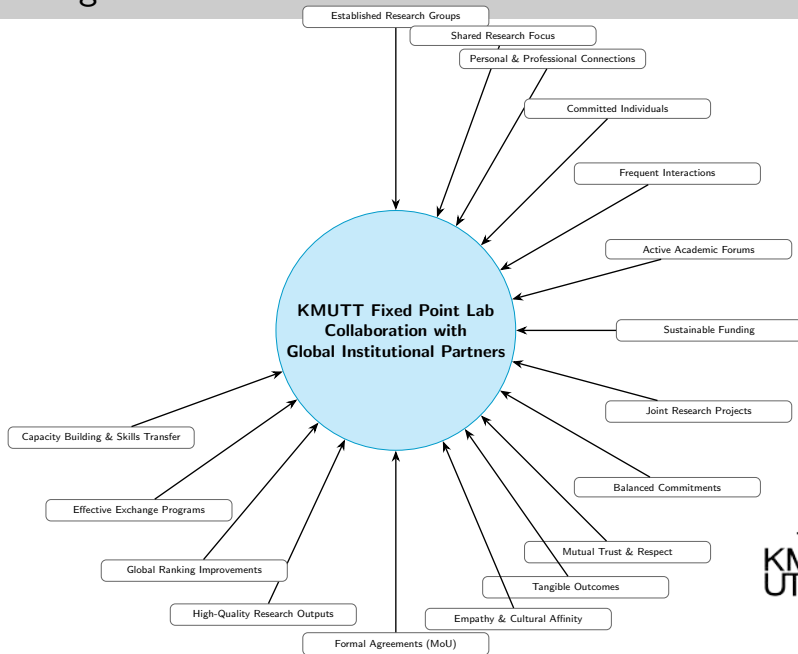
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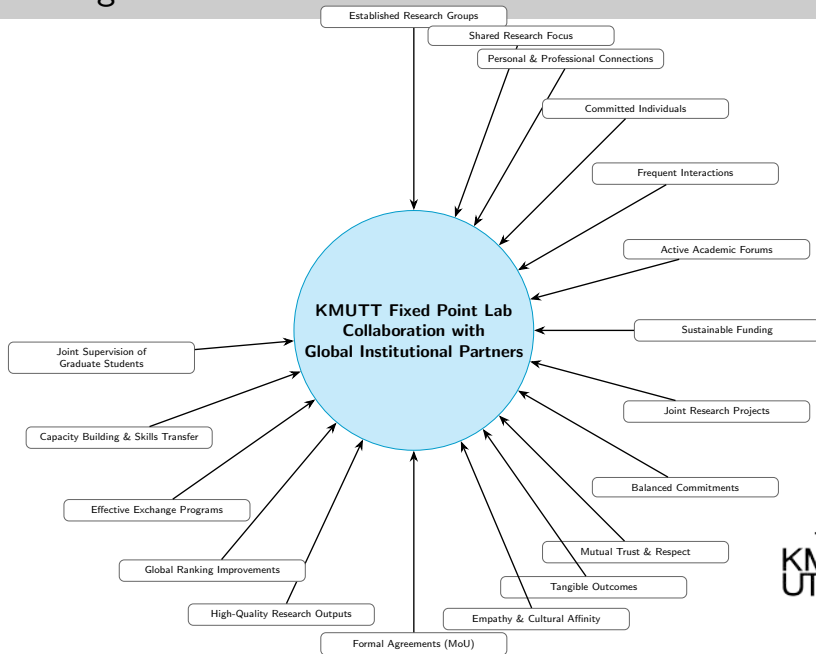
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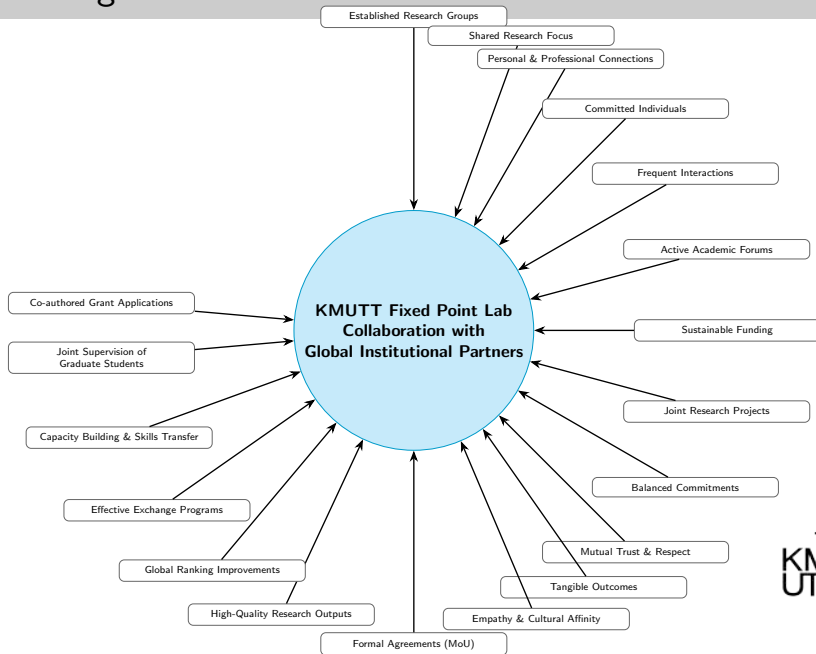
Strategic Achievements of the KMUTT FPL Partnerships



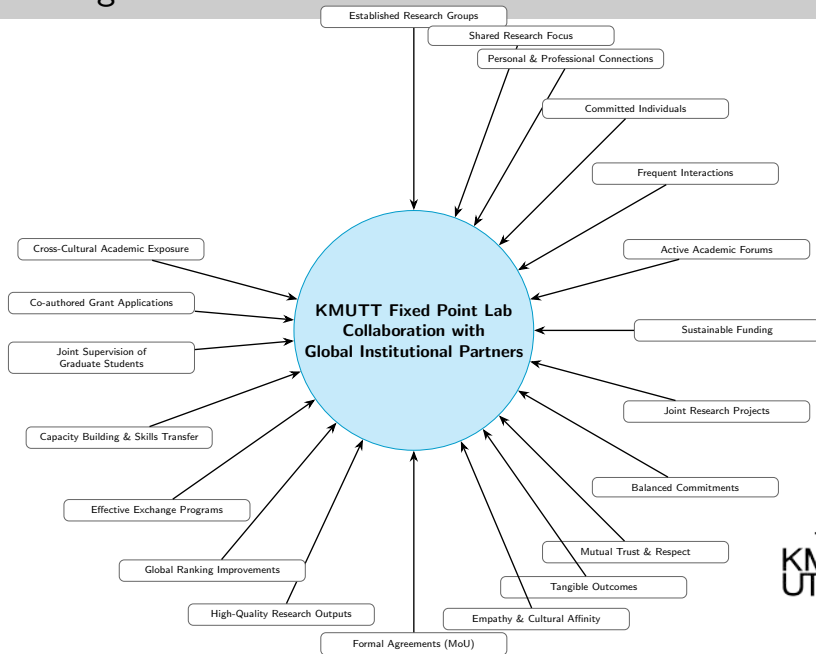
Strategic Achievements of the KMUTT FPL Partnerships



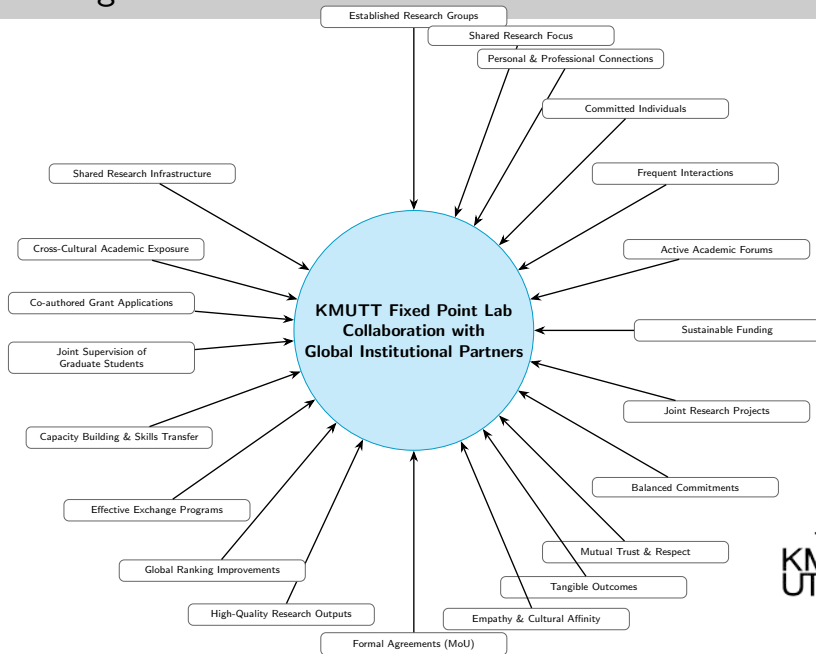
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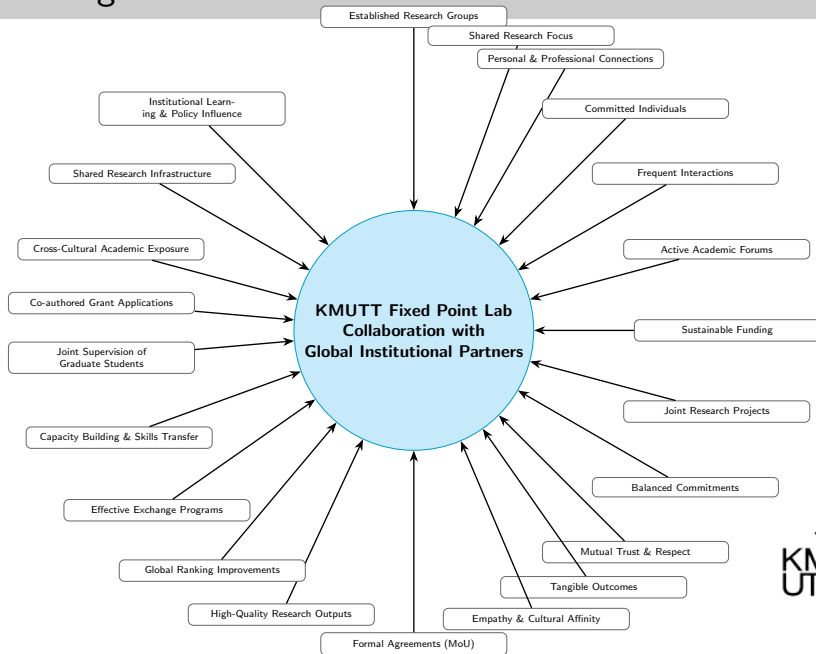
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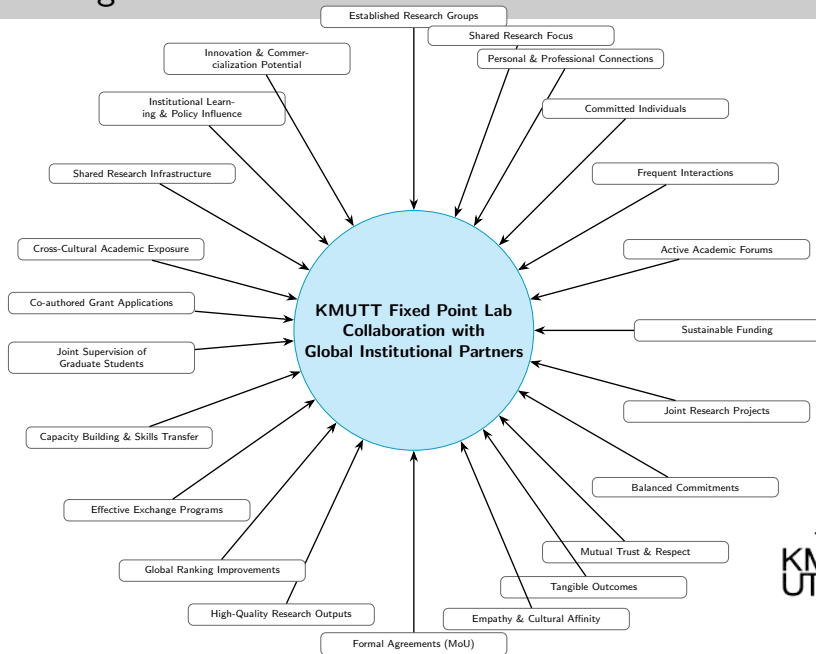
Strategic Achievements of the KMUTT FPL Partnerships



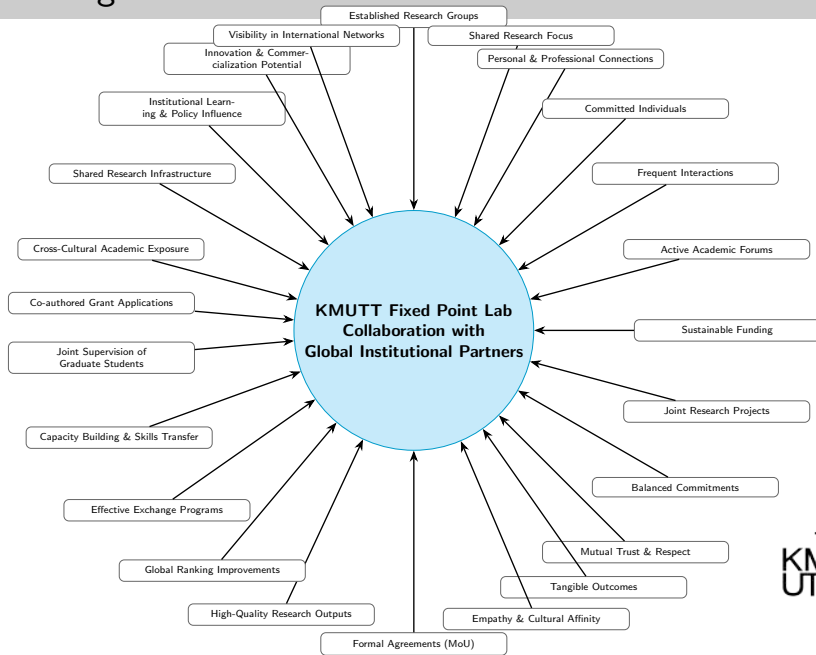
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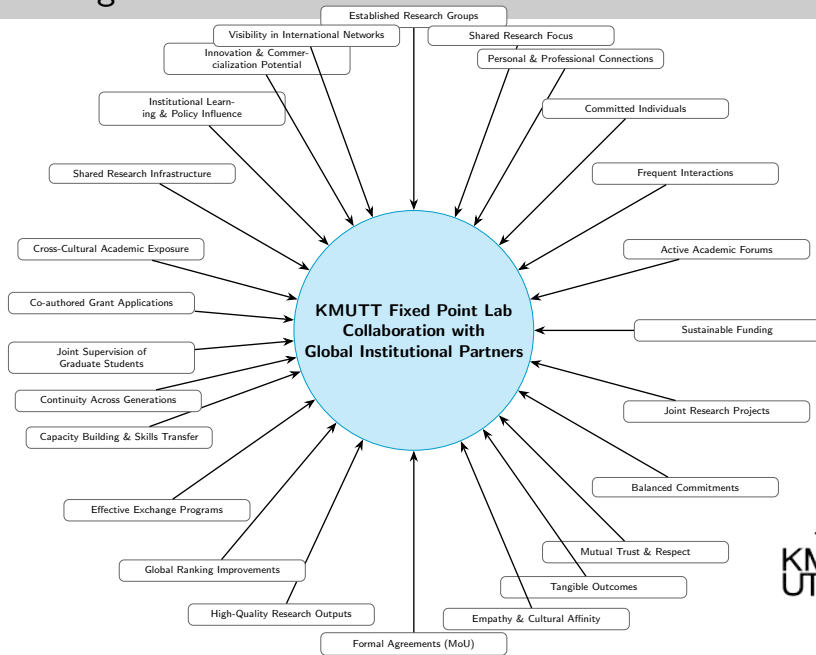
Strategic Achievements of the KMUTT FPL Partnerships



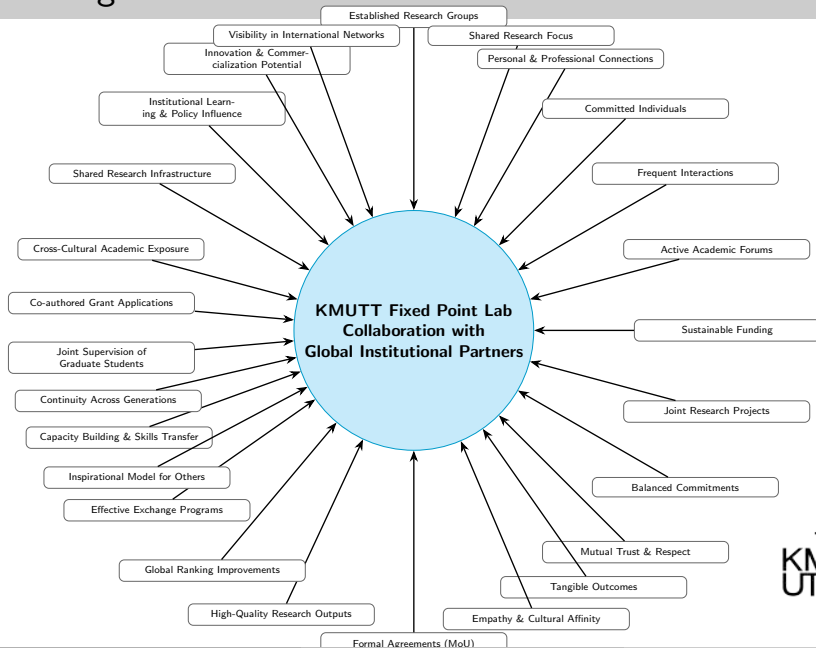
Strategic Achievements of the KMUTT FPL Partnerships



Strategic Achievements of the KMUTT FPL Partnerships



Strategic Achievements of the KMUTT FPL Partnerships



Beyond Research at the KMUTT Fixed Point Lab



CaRe Listening ★SMS★ *Successor Meet Supporter*



1 CANADA

- Prof. Dr. Anthony To-Ming Lau
University of Toronto
- Prof. Dr. Hani Mubashir Srivastava
University of Toronto
- Prof. Dr. Huiyong Zhu
University of Toronto
- Prof. Dr. Babak Mahd-Moharrah
University of Toronto
- Prof. Dr. Kengyan Lin
University of Toronto

2 USA

- Prof. Dr. Hung Trung Nguyen
University of Toronto
- Prof. Dr. Ralph Tyrrell Rockafellar
University of Toronto
- Prof. Dr. Boris Mordukhovich
University of Toronto
- Prof. Dr. Oussaleh Moudel
University of Toronto
- Prof. Dr. Patrick Louis Combettes
University of Toronto
- Prof. Dr. Mai Nam Nguyen
University of Toronto
- Prof. Dr. Hai Q. Dinh
University of Toronto
- Prof. Dr. Akhbar A. Khan
University of Toronto
- Prof. Dr. Jinfa Li
University of Toronto
- Prof. Dr. Chris Shecker
University of Toronto
- Prof. Dr. Oussaleh Moudel
University of Toronto
- Prof. Dr. Leon M. Tolbert
University of Toronto

3 MEXICO

- Prof. Dr. Oussaleh Moudel
University of Toronto

4 PORTUGAL

- Prof. Dr. Ana Luisa Costello
University of Toronto
- Prof. Dr. Marcos Raydan
University of Toronto

5 SPAIN

- Prof. Dr. Juan Martinez Moreno
University of Toronto
- Prof. Dr. Antonio Francisco
University of Toronto
- Prof. Dr. Jose Vique-Aguir
University of Toronto
- Prof. Dr. Higuelo Ramos
University of Toronto
- Prof. Dr. Jose Carlos R. Alcantud
University of Toronto
- Prof. Dr. Manuel Arana Jimenez
University of Toronto
- Prof. Dr. Juan Enrique Martinez-Lago
University of Toronto

6 FRANCE

- Prof. Dr. Dinh The Lim
University of Toronto
- Prof. Dr. Michel De Lara
University of Toronto
- Prof. Dr. Didier Assael
University of Toronto
- Prof. Dr. Nourdin Taktak
University of Toronto
- Prof. Dr. Sergio Pierdomenico
University of Toronto

7 UK

- Prof. Dr. Matthias Ehrgott
University of Toronto
- Prof. Dr. Frank W. Nijhoff
University of Toronto
- Dr. Catherine Kamal
University of Toronto
- Dr. Yihua He
University of Toronto

8 BELGIUM

- Prof. Dr. Michael Ruzhansky
University of Toronto

9 SWITZERLAND

- Prof. Dr. Marc Pasella
University of Toronto

10 GERMANY

- Prof. Dr. Christiane Tammer
University of Toronto
- Dr. Petra Wulfer
University of Toronto
- Prof. Dr. Enrique Zuazua
University of Toronto

11 ITALY

- Prof. Dr. Antonio Lieta
University of Toronto

12 NORWAY

- Prof. Dr. Sjur Dierik Flom
University of Toronto

13 POLAND

- Prof. Dr. Andrzej Wisnicki
University of Toronto
- Prof. Dr. Ryszard Pociuska
University of Toronto
- Prof. Dr. Andrzej Gajewski
University of Toronto

14 AUSTRIA

- Prof. Dr. Alois Iannoli
University of Toronto

15 ROMANIA

- Prof. Dr. Vasile Berinde
University of Toronto
- Prof. Dr. Adrian-Olimpia Petrusel
University of Toronto
- Prof. Dr. Andreea Fulga
University of Toronto
- Prof. Dr. Nico Bizon
University of Toronto

16 SERBIA

- Prof. Dr. Sanja Papic
University of Toronto

17 TURKIYE

- Prof. Dr. Ali Akbul
University of Toronto
- Prof. Dr. Fahd Jand
University of Toronto
- Prof. Dr. Murat Ozdemir
University of Toronto
- Assoc. Prof. Dr. Ibrahim Karahan
University of Toronto

18 NIGERIA

- Prof. Dr. Yakini Shela
University of Toronto

19 SOUTH AFRICA

- Prof. Dr. Mujahid Abbas
University of Toronto
- Prof. Dr. Oluwalanle Tade Mawema
University of Toronto

20 IRAN

- Prof. Dr. Ali Farajzadeh
University of Toronto

21 UAE

- Prof. Dr. Mohamed Amine Khamel
University of Toronto

22 INDIA

- Assoc. Prof. Dr. Dharmajay Gopal
University of Toronto
- Prof. Dr. Praveen Agarwal
University of Toronto
- Assoc. Prof. Dr. Zahar Uddin
University of Toronto
- Prof. Dr. Jaydeep Dutta
University of Toronto
- Prof. Dr. Gannat Hasan Ansari
University of Toronto

23 CHINA

- Prof. Dr. Shih-wei Cheng
University of Toronto
- Prof. Dr. Hong-Kun Xu
University of Toronto
- Prof. Dr. Rongbin Chen
University of Toronto
- Prof. Dr. Lin Wang
University of Toronto
- Prof. Dr. Longwei Cheng
University of Toronto

24 SOUTH KOREA

- Prof. Dr. Yeul-Je Cho
University of Toronto
- Prof. Dr. Jong-Kyo Kim
University of Toronto
- Prof. Dr. Sang-Eun Han
University of Toronto
- Prof. Dr. Hyun-Min Kim
University of Toronto
- Prof. Dr. Gue Myung Lee
University of Toronto

25 JAPAN

- Prof. Dr. Tetsuki Tanaka
University of Toronto
- Prof. Dr. Fumio Kobayashi
University of Toronto
- Prof. Dr. Daisuke Kuroki
University of Toronto
- Prof. Dr. Yasunori Kimura
University of Toronto

26 TAIWAN

- Prof. Dr. Jen-Chih Yao
University of Toronto

27 VIETNAM

- Prof. Dr. Phan Quoc
University of Toronto
- Prof. Dr. Nguyen Dong Yen
University of Toronto
- Prof. Dr. Lam Quoc Anh
University of Toronto

28 MALAYSIA

- Prof. Dr. Noraziah Sena
University of Toronto

29 RUSSIA

- Prof. Dr. Wayne Lawton
University of Toronto

30 AUSTRALIA

- Assoc. Prof. Dr. Bradley Sims
University of Toronto

Building a Collaborative Workforce Network



Phase 1
CaRe Network
Platform



Phase 2
Research Skill
Mapping



Phase 3
Research Policy
Mapping

Thai Research Network in Carbon Reduction and Renewable Energy Technology = CaRe Network

Promotion of Thai Researchers to Associate Members of International Multidisciplinary Network in Carbon Reduction Renewable Energy Technology Design and Development

Policy Support

- Funding support for R&D initiatives aimed at workforce skill enhancement.
- Establishing innovation ecosystems to foster collaboration across disciplines.
- Promoting open science and data-sharing platforms for collective knowledge growth.
- Creating incentives for private-sector engagement in workforce development through science-driven innovation.



CaRe SMS Dinner Talk at Bangkok 2025

CaReStory

What's CaRe?
Explore the Vision Behind the Name

Thai Research Network in
Carbon Reduction and Renewable Energy Technology
= CaRe Network

The research project, an International Multidisciplinary Network for the Design and Development of Low-Carbon Renewable Energy Technologies, has employed a strategy of expanding networks to connect with international associations and organizations, aiming to enhance its role within these global entities. By applying the Value Creation Model, the project has designed a process to promote the development of Thai personnel to become key leaders in prominent global alliances. This effort is supported by a network of researchers and a multidisciplinary advisory board from around the world, encompassing fields such as mathematics and computational science, automotive engineering, renewable energy and physics.

Unified collaboration of 7 universities in Thailand



L4
Fundamental Fund (FF)
Contribution to the CaRe Network

CaRe Network's fund resources to pursue research and design in sustainable research and development is supported by the 400 MCTC (Ministry of Science and Technology) fund. The fund is used to support research and development in the field of sustainable research and development. The fund is used to support research and development in the field of sustainable research and development. The fund is used to support research and development in the field of sustainable research and development.

L3
Advanced Researcher

Advanced Researcher (AR) Contribution to the CaRe Network

CaRe Network's fund resources to pursue research and design in sustainable research and development is supported by the 400 MCTC (Ministry of Science and Technology) fund. The fund is used to support research and development in the field of sustainable research and development. The fund is used to support research and development in the field of sustainable research and development. The fund is used to support research and development in the field of sustainable research and development.

L2
Mid-Scale Faculty

Mid-Scale Faculty (MF) Contribution to the CaRe Network

CaRe Network's fund resources to pursue research and design in sustainable research and development is supported by the 400 MCTC (Ministry of Science and Technology) fund. The fund is used to support research and development in the field of sustainable research and development. The fund is used to support research and development in the field of sustainable research and development. The fund is used to support research and development in the field of sustainable research and development.

L1
Top Professor

Top Professor (TP) Contribution to the CaRe Network

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Behind the Creation of CaRe

CaRe Global Network Project Funded by PMU-B

Sep
2022

Dec
2022

CaRe 1
APRIL 2023-MAR 2024

CaRe 2
MAR 2024-FEB 2025

CaRe 3
MAR 2025-FEB 2026



MATH x EE²

MATH² x EE² x Phy

Prof.Dr.Poom Kumam
Prof.Dr.Phatiphat Thounthong
Prof.Dr.Surin Khomfol

Prof.Dr.Poom Kumam
Prof.Dr.Phatiphat Thounthong
Prof.Dr.Narin Patrot
Assoc.Prof.Dr.Piyabut Burikham

Brain Storming:
Thai Research Network to World Class
Title: International Interdisciplinary Network for Optimal Design and Development of Decarbonized Renewable Energy Technology

Brain Storming
International Interdisciplinary Network
Math+Phy+EE International Networking

Control Theory
Optimization

MATLAB

Minimize energy loss and Production cost

Theory Implementation and Simulation
Tool

Prototype

- EV Charger
- Wireless Charger
- EV core model

Upscale
Industry

Product

- PEA-VOLTA
- High power converter
- SmartGrid Re-100

Joint Newton Fund Project Since 2015 by TRF

Newton Fund



CaRe PLATFORM



SOCIAL LISTENING PLATFORM



RESEARCH SKILL MAPPING



Develop a Research Skill Mapping framework by identifying key traits of top researchers to shape essential competencies, unlock their full potential, and create pathways for Thai researchers to lead in global networks.



CaRe Recognized Achievements

L1

Prof.Dr.Poom Kumam
• TOP 2% World Class Scientist Citation
• Editor-in-Chief of an International Journal indexed in SCOPUS

Prof.Dr.Burk Khomfol
• TOP 2% World Class Scientist Citation

Prof.Dr.Phatiphat Thounthong
• TOP 2% World Class Scientist Citation
• National Outstanding Researcher
• Principal Investigator of International Grants

Prof.Dr.Narin Patrot
• Editor-in-Chief of an International Journal indexed in SCOPUS
• Principal Investigator of International Grants
• Received funding of 10,000,000 THB for the "Building Coding" project from the PMU-B organization

Assoc.Prof.Dr.Piyabut Burikham
• Primary Speaker/Keynote Speaker

L2

Assoc.Prof.Dr.Wijaya Kumam
• Editorial Board Member of an International Journal indexed in SCOPUS
• Co-organizer, Training Learning Agreement Student Mobility for Traineeship (funded by the UK's global program to study and work abroad)

Assoc.Prof.Dr.Surak Phiangsriyongkarn
• Editorial Board Member of an International Journal indexed in SCOPUS
• Organizing Committee of an International Conference

Assoc.Prof.Dr.Komarn Khammatwong
• Assistant Managing Editor of an International Journal indexed in SCOPUS

Assoc.Prof.Dr.Kamranat Samad
• Member, IEEE, Working Group on Applied Nonlinear Analysis (WGANAL), Working Group on Generalized Convexity (WGGL), AMS, The International Society of Fuzzy Sets Extensions and Applications (ISFSEA Community)
• Co-organizer, Training Learning Agreement Student Mobility for Traineeship (funded by the UK's global program to study and work abroad)

Assoc.Prof.Dr.Thitiporn Reengwanthana
• Member, IEEE, Working Group on Applied Nonlinear Analysis (WGANAL), Working Group on Generalized Convexity (WGGL), AMS, The International Society of Fuzzy Sets Extensions and Applications (ISFSEA Community)

Assoc.Prof.Dr.Teeponth Phayongwong
• IEEE Member
• Principal Investigator of PMU-C Grant and Provincial Electricity Authority (PEA)

Assoc.Prof.Dr.Nagorn Rujisophon
• Received the INRICT Quality Achievement Award

Assoc.Prof.Dr.Thane Rattakulpong
• Received funding of 10,000,000 THB for the "Building Coding" project from the PMU-B organization

L3

Dr.Rungthod Akong
• IEEE Member
• Principal Investigator of Fundamental Fund (FF)

Dr.Duak Boonwong
• IEEE Member
• Principal Investigator of Fundamental Fund (FF)
• Organizing Committee of an International Conference

Dr.Thitaporn Gansakulnates
• IEEE Member
• IEEE Young Professionals (YP)
• IEEE Women in Engineering
• Secretary of IEEE Thailand Section
• Visiting Professor, School of Computer Science and Engineering, Manipal University, India
• Co-organizer, Fuzzy Research & Innovation Clinic on Research and Development of Artificial Intelligence Skills and Autonomous Systems, KMUTT
• Organizing Committee of an International Conference
• Keynote Speaker

L4

Mr.Thongchai Ayudh
• Short-term Research Program with the International Research Network, GREEN Laboratory, Université de Lorraine, Nancy, France

Mr.Prasitth Mungkorn
• IEEE Member



CaReStory

Thai Research Network in Carbon Reduction and Renewable Energy Technology = CaRe Network

The research project, an International Multidisciplinary Network for the Design and Development of Low-Carbon Renewable Energy Technologies, has employed a strategy of expanding networksto connect with international associations and organizations, aiming to enhance its role within these global entities. By applying the Value Creation Model, the project has designed a process to promote the development of Thai personnel to become key leaders in prominent global alliances. This effort is supported by a network of researchers and a multidisciplinary advisory board from around the world, encompassing fields such as mathematics and computational science, automotive engineering, renewable energy and physics.

Unified collaboration of 7 universities in Thailand



L4

Post Master/Ph.D Student

Encouraging Master's level researchers to pursue doctoral studies and engage in postdoctoral research upon graduation is supported by the 2021 NRCT Senior Research Scholar Grant and international research collaboration networks. These include funding from the Electrical Engineering Thai-France Research Center, along with support and facilitation from international university laboratories such as Oak Ridge National Laboratory (USA), McMaster University (Canada), and Université de Lorraine (France), among others.

L3

Academic Researchers

1. Fundamental Fund (FF) or
2. Technology Transfer Contributor or
3. Collaborator with the private sector or
4. Contributor to international publications or patents or
5. Member of a global association or organization, such as an IEEE member or an Organizing Committee member for IEEE / International Conferences.

L2

Mid-Career Faculty

L2 - Advanced

1. IEEE Senior or
2. PI leading high-level research projects both domestically and internationally, such as Erasmus+, JST (Sakura Program), mid-career research grants, or projects funded by leading industrial sectors (evaluated based on the organization's scale or funding support) or
3. Member of the Editorial Board of an international journal indexed in the SCOPUS database or
4. Committee member of leading global networks, such as academic funding associations or
5. Invited Speaker at international conferences,
6. h-index >= 12

L2 - Braced

1. PI for the Young Researcher Grant (NRCT) or
2. Member of the Editorial Board of a national journal indexed in the TCI database or
3. Committee member / Advisor at the national level, or
4. Co-investigator in international or industrial project

L1

Full Professor

1. Candidate IEEE Fellow or
2. Steering Committees / Advisory Boards of internationally renowned organizations or
3. Editor-in-Chief of an international journal indexed in the SCOPUS database or
4. Recognized as a TOP 2% World-Class Scientist in terms of citations or
5. Plenary Speaker / Keynote Speaker at prominent international academic conferences or
6. Recipient of national awards such as Outstanding Researcher of the Year, Senior Research Fellowship, or High-Potential Research Grant or
7. PI for an international grant

Behind the Creation of CaRe

Sep 2022

Dec 2022

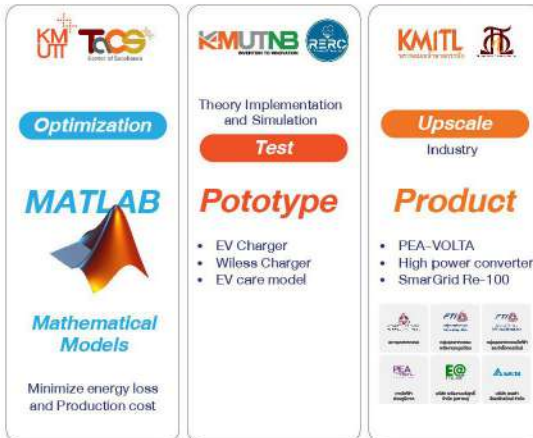


MATH x EE²

Prof.Dr.Poom Kumam
Prof.Dr.Phatiphat Thounthong
Prof.Dr.Surin Khomfoi

Brain Storming: Thai Research Network to World Class

Title: International Interdisciplinary Network for Optimal Designs
and Development of Decarbonized Renewable Energy Technology



MATH² x EE² x Phy

Prof.Dr.Poom Kumam
Prof.Dr.Phatiphat Thounthong
Prof.Dr.Narin Petrot
Assoc.Prof.Dr.Piyabut Burikham

Brain Storming

International Interdisciplinary Network
Math+Phy+EE International Networking

Joint Newton Fund
Project
Since 2015 by TRF



L1 PROFESSOR



Prof. Dr.
Narin
Petrot



Prof. Dr.
Phatiphat
Thounthong



Prof. Dr.
Poom
Kumam



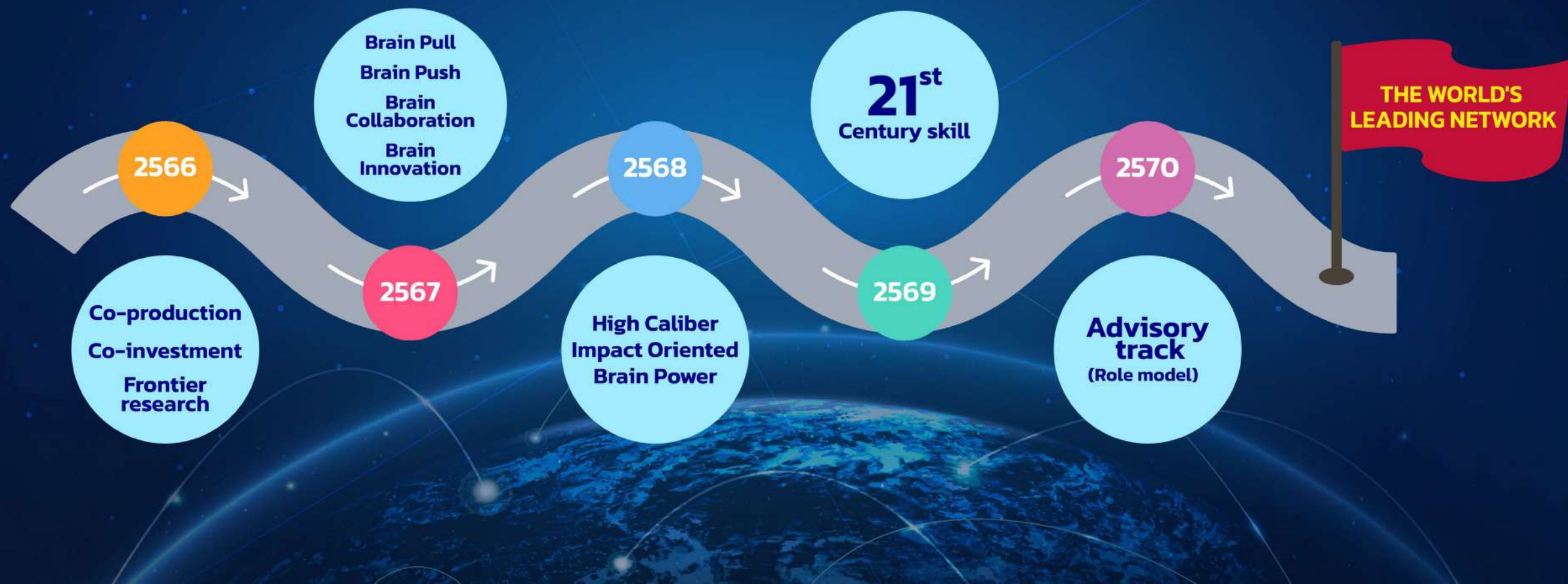
Prof. Dr.
Surin
Khomfoi



Prof. Dr.
Piyabut
Burikham



CaRe Timeline 5 years



Thai Research Network in Carbon Reduction and Renewable Energy Technology

Thailand is responsible for emitting approximately **350 million tons** of greenhouse gases annually.

The majority originating from industrial factories and transportation.

To sequester one ton of carbon, it would require an investment of 2 billion baht. This leads to an annual financial loss of **700 – 800 billion baht for Thailand.**

The aforementioned situation has led the government to announce a carbon reduction policy, emphasizing the promotion of the electric vehicle industry and the utilization of renewable energy. However, this stands in contrast to the researchers who are producing research outputs to support the electric vehicle industry, as well as the efforts to reduce carbon emissions, which are insufficient to meet the country's needs and growth. Dependence on foreign sources exacerbates this problem.

In response to these challenges, a research team has been established, comprising experts from leading national and international institutions in the fields of mathematics, electrical engineering, and physics. Our mission is to enhance research capabilities in the design and development of renewable energy technologies that reduce carbon emissions

Thai Research Network in Carbon Reduction and Renewable Energy Technology

1

To raise the standard for Thai researchers to be leaders in important steps regarding energy use and energy reduction.

2

To develop a platform to elevate Thai researchers to become leaders in the global network in renewable energy technology for carbon reduction.

3

To conduct international research on renewable energy technologies for carbon reduction.

CaRe Network was started by **3 Professors** from **3 Universities**



**Prof. Dr.
Habil Phatiphat
Thounthong**



**Prof. Dr.
Poom Kumam**

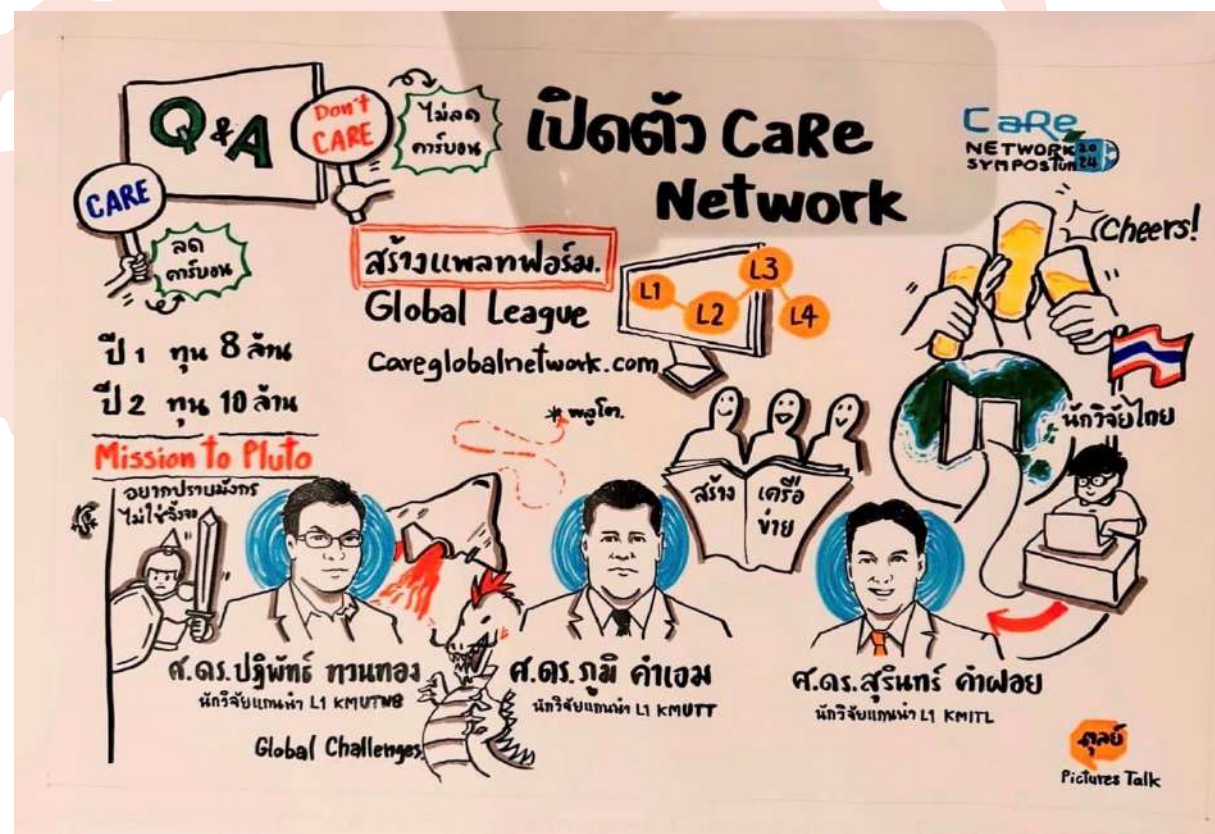


**Prof. Dr.
Surin Khomfoi**

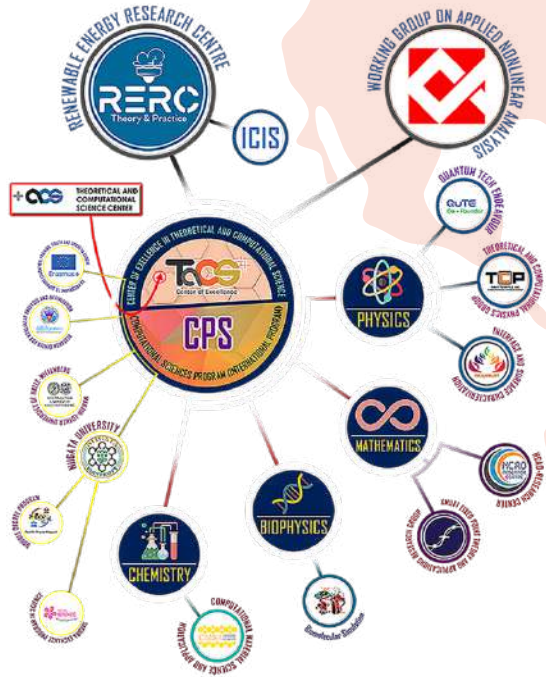
About CaRe Network

Promotion of Thai Researchers to Associate Members of International Multidisciplinary Network in Carbon Reduction Renewable Energy Technology Design and Development

Thai Research Network in Carbon Reduction and Renewable Energy Technology = CaRe Network



ORGANIZATION PLAN



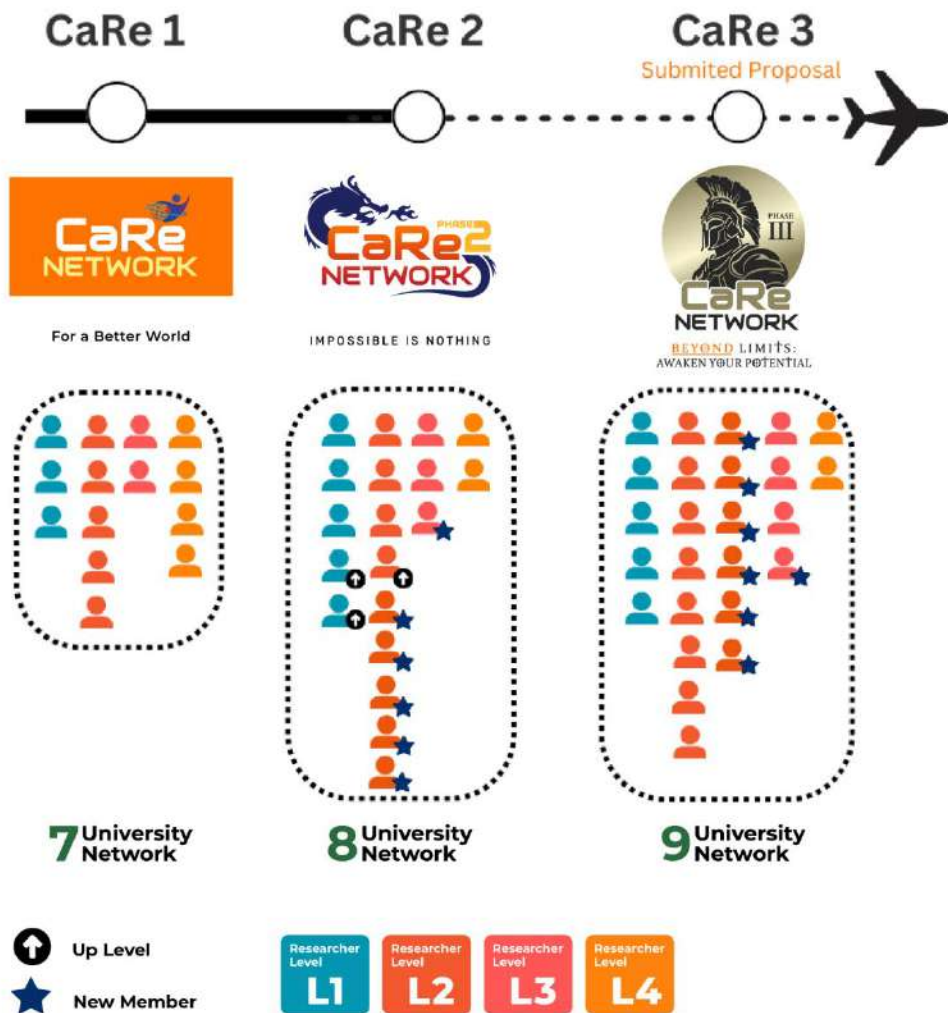
NETWORK OF INTERNATIONAL COLLABORATORS



- 1. CANADA**
Prof. Dr. Anthony J. May Jr.
Prof. Dr. Michael J. May Jr.
Prof. Dr. Michael J. May Jr.
- 2. USA**
Prof. Dr. J. J. May Jr.
Prof. Dr. J. J. May Jr.
Prof. Dr. J. J. May Jr.
- 3. USA**
Prof. Dr. J. J. May Jr.
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- 4. USA**
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- 5. USA**
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- 6. USA**
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- 7. USA**
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- 8. USA**
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- 9. USA**
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- 10. USA**
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Prof. Dr. J. J. May Jr.
- 11. USA**
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- 12. USA**
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- 13. USA**
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- 14. USA**
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- 15. USA**
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- 16. USA**
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- 17. USA**
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- 18. USA**
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Prof. Dr. J. J. May Jr.
- 19. USA**
Prof. Dr. J. J. May Jr.
Prof. Dr. J. J. May Jr.
Prof. Dr. J. J. May Jr.
- 20. USA**
Prof. Dr. J. J. May Jr.
Prof. Dr. J. J. May Jr.
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Prof. Dr. J. J. May Jr.

Thai Research Network in Carbon Reduction and Renewable Energy Technology

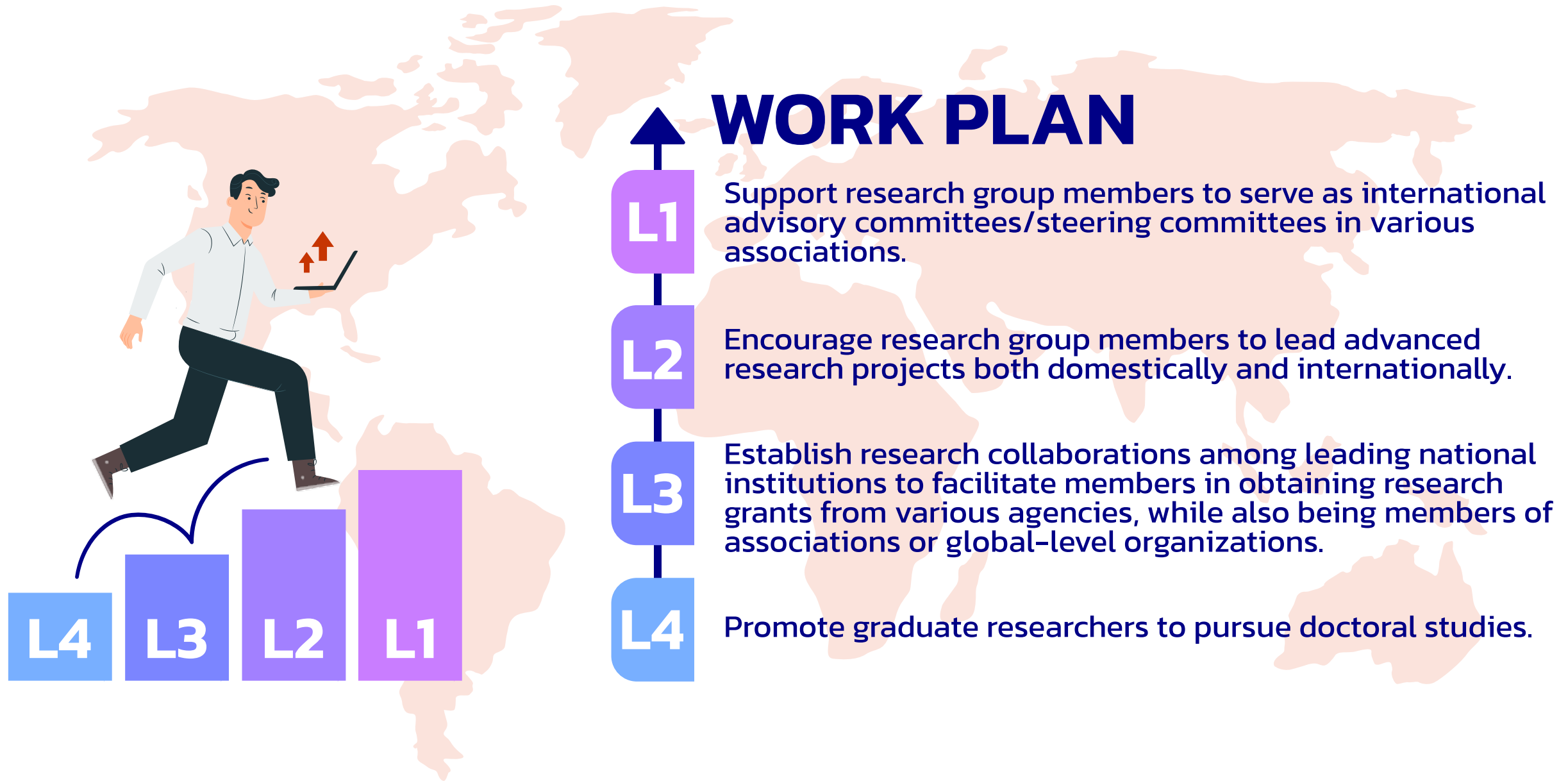
CaRe Timeline



Expanding the cooperation network and upgrading researchers

3 King Mongkut's Universities





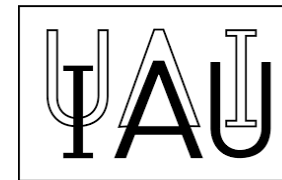
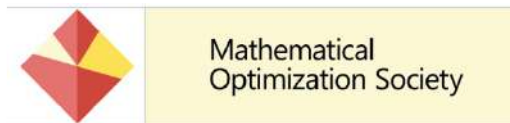
Level 4 (Non-Ph.D.)

Promote master's level researchers to pursue doctoral studies, along with conducting post-doctoral research upon completion of their doctoral degrees, utilizing the Senior Research Methodology, Academic Year 2021, supported by the Thailand Research Fund. Visiting Some Univ. example: McMaster Univ. => North America; Junior Level: PhD Student => North America & Europe (4 Months stay); Visiting Oak Ridge National Laboratory (USA)



Level 3 (Junior Researcher)

Establish research collaborations among leading national institutions to facilitate members in obtaining research grants from various agencies, while also becoming members of associations or global-level organizations, such as IEEE, AMS, MOS, CERN, SIAM, IAU, and others.



Level 2 (Mid-career Researcher)

Empower research group members to take on leadership roles in high-level research projects both domestically and internationally, such as through the Senior Research Methodology (NRCT) and collaborative research funding with foreign institutions; examples include Newton Fund, Erasmus+, Franco-Thai, and JST.



**Newton
Fund**



Erasmus+



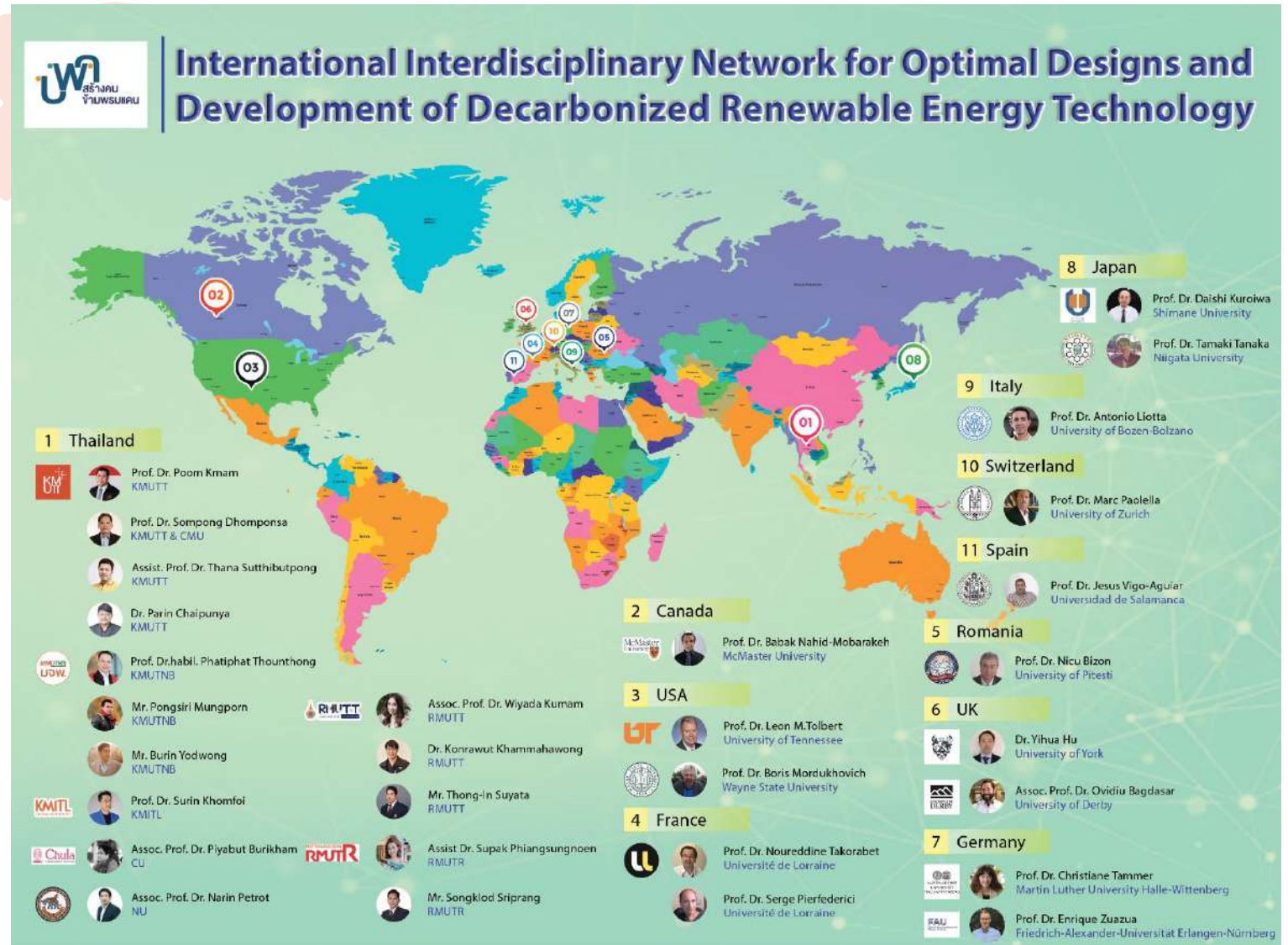
Level 1 (Senior Researcher)

Support research group members to serve as international advisory committee members/driving committees in various associations, such as IEEE Fellow or editor-in-chief of internationally renowned journals, along with participating in academic conferences such as AMS Meeting, SIAM, and organizing IEEE Special Workshops in Thailand.



Thai Research Network in Carbon Reduction and Renewable Energy Technology

1. Prof. Dr. Poom Kumam
2. Prof. Dr. Sompong Dhompongsa
3. Prof. Dr. Phatiphat Thounthong
4. Prof. Dr. Surin Khomfoi
5. Assoc. Prof. Dr. Piyabut Burikham
6. Assoc. Prof. Dr. Narin Petrot
7. Assoc. Prof. Dr. Wiyada Kumam
8. Assoc. Prof. Dr. Thana Sutthibutpong
9. Asst. Prof. Dr. Supak Piang Soongnoen
10. Dr. Parin Chaipunya
11. Dr. Konrawut Khammahawong
12. Mr. Pongsiri Mungporn
13. Mr. Songklod Sriprang
14. Mr. Burin Yodwong
15. Mr. Thong-In Suyata



Thai Research Network in Carbon Reduction and Renewable Energy Technology

- **Prof. Babak Nahid-Mobarakeh** (IEEE Fellow, McMaster University, Canada)
- **Prof. Leon M.Tolbert** (IEEE Fellow, University of Tennessee, USA)
- **Prof. Nouredine Takorabet** (Université de Lorraine France)
- **Prof. Serge Pierfederici** (Université de Lorraine, France),
- **Prof. Nicu Bizon** (Romania)
- **Dr.Yihua Hu** (University of York, UK)
- **Prof. Boris Mordukhovich** (Fellow, AMS and SIAM, USA)
- **Prof. Christiane Tammer** (MOS, Germany)
- **Prof. Enrique Zuazua** (Member of Academia Europaea, Germany & Spain)
- **Prof. Jesus Vigo-Aguiar** (Chair CMMSE & SERSC Society)
- **Prof. Daishi Kuroiwa** (Shimane University, Japan)
- **Prof. Tamaki Tanaka** (Niigata University, Japan)
- **Prof. Antonio Liotta** (University of Bozen-Bolzano, Italy)
- **Prof. Marc Paoletta** (University of Zurich, Switzerland)
- **Assoc. Prof. Dr.Ovidiu Bagdasar Dimitri**
(Erasmus Departmental Coordinator, University of Derby, UK)

CONSORTIUM
(COLLABORATIONS)



CaRe Network SYMPOSIUM 2024

“Renewable Energy for Sustainable Development Goals”
19–22 March 2024 at Amari Hotel Pattaya



CaRe Network SYMPOSIUM 2024

“Renewable Energy for Sustainable Development Goals”
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10 years Thai - Spain Collaborations



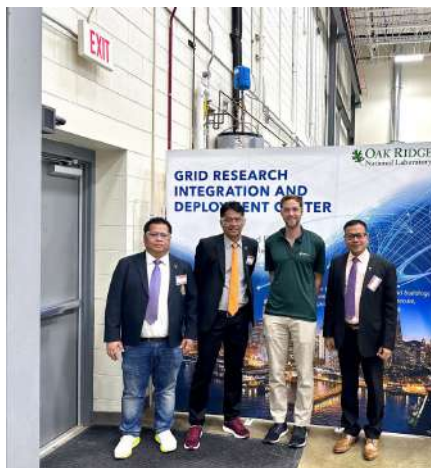
10 years Thai - Spain Collaborations



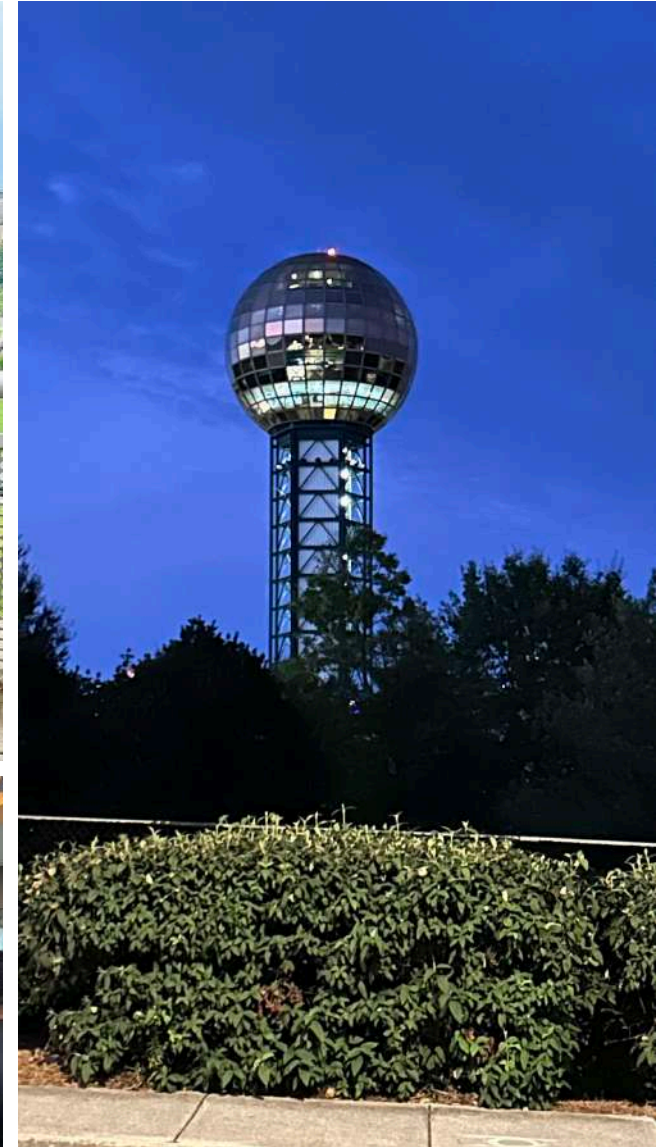
10 years Thai - Spain Collaborations



CaRe Network in Tennessee USA



CaRe Network in Tennessee USA





CaRe Network in Tennessee USA





CaRe Network in Nancy France





CaRe Network in Nancy France





CaRe Network in Nancy France



CaRe Network in McMaster University Canada



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CaRe Network in France 2024



14 OCT 2024 GREEN-ENSEM



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Many thanks for your thoughtful kindness and warm welcome!

THANK YOU



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