



Prachinburi, Thailand

August 26-28, 2022

CALL FOR CONTRIBUTIONS / MISSION

Contemporary scientific results often require the interdisciplinary work of researchers from different areas of science or have been inspired from similarities or analogies observed. The recent workshop intends to bring together researchers of different areas to foster the interdisciplinary exchange of suitable methods and knowledge as well to inspire people to look over the borders of their research area and get inspiration for their works. The organisers want to encourage people from computer science to present their interdisciplinary results as well as scientists from other areas to present useful methods, principles and observation.

TOPICS

Topics of interest includes but is not limited to:

- Neuroscience and Biology
→ Learning, Neurons and Neural networks, models of the brain, Genetic methods, Amorphous Growth algorithms, principles of Life, genetics, evolutionary and viral algorithms, Ant colony optimisation, firefly- bee- and other algorithm inspired by animal behaviour
- Psychology and Sociology
→ Primary and secondary group building, communities, group behaviour, limbic characters/Big 5, social networks, small worlds, population control, escape behaviour
- Physics
→ mechanical models like centre of mass, communicating tubes, diffusion and osmosis, field theory and in particular thermo fields, wave models, energy models, power models (springs, gravity, electric field), quantum physics
- Economy
Minority games, money- and payment models, market models and their dynamics, negotiations, cooperation and competition
- Mathematics
→ many models like graphs, petri-nets, networks, stochastics and probabilistic theory, random walks, fuzzy models, logic, reasoning, decision making, game theory, language models

Contributions from the above areas of science as well as presentations presenting the application of interdisciplinary knowledge are solicited. Authors may present and discuss their ideas, ongoing works and results with other students, researchers and professors in the scientific sessions of our event as well as during the social activities around. Printing of post-proceedings is intended.

IMPORTANT DATES

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| • Abstract Submission | until August 7th |
| • Notification of acceptance | no later than 7 days after submission |
| • Hotel and Workshop registration | before August 12th
(Fees incl. Hotel, Food and participation will be around THB 3000) |
| • Workshop dates | August 26th- 28th |
| • Camera ready papers | September 18 th |

The chosen location in the beautiful landscape of Prachinburi and Khao Yai shall support fruitful discussions in a quiet and inspiring environment. The workshop location will be the Prachinburi Campus of the King Mongkut's University of Technology North Bangkok, Prachinburi.

WORKSHOP VENUE



Villa Vichalai Hotel on the KMUTNB Campus, reservation shall be made solely with the conference registration to ensure the best price. Other hotels may optionally be booked on your own.

ORGANISERS

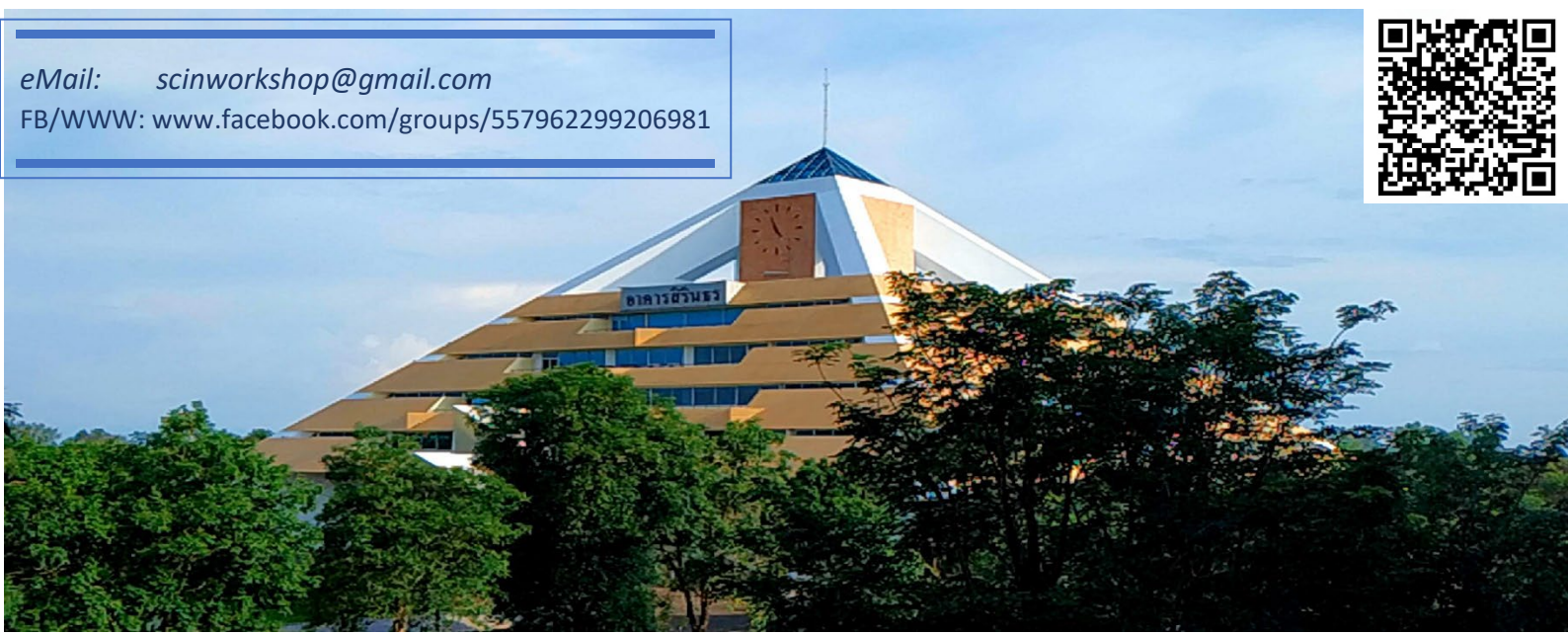
- For the scientific program
 - **Phayung Meesad**,
KMUTNB Library and ITD Faculty, KMUTNB, Bangkok
 - **Anirach Mingkhwan**,
Creative Lab, FITM. KMUTNB, Prachinburi
 - **Herwig Unger**,
University of Hagen, Germany
- Local Organisers
 - Panchalee Sukjit
 - Beesuda Daoruang
 - Supaporn Simcharoen
 - Siwalai Chinchua



CONTACT

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International workshop
**Systems and Computing
Inspired by Nature**



Prachinburi, KMUTNB-Campus

August 26th-28th, 2022

Submission via eMail:

scinworkshop@gmail.com

More information on FaceBook:

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