Curriculum Vitae

Sutep Tongngam
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Research Interests:
Optimization and Algorithms in Wireless Ad hoc and Sensor Networks,
Knowledge discovery, Education

Education:
Ph.D. (Computer Science), Illinois Institute of Technology, USA. – 2003-2008
(was under the supervision of Prof.Gruia Calinescu)
M.S. (Computer Science), Towson University, MD, USA. – 1999-2002
(Graduate Project was under the supervision of Prof.Marius Zimand)
MBA, Chulalongkorn University, Bangkok, Thailand. – 1991-1993
B.Eng., (Computer Engineering) Chulalongkorn University,
Bangkok, Thailand. – 1984-1988

International Publications and Conferences:

1. Ketkanda Jaturongkachoke, Sutep Tongngam, and Supamit Chanseawrassamee, English @ Work: A major impact of grammar upon TOEIC scores, *Journal of Innovation, Creativity and Change (IJICC)*, xx(xx):nn-nn, Primrose Hall Publishing Group. To appear.

2. Pranomkorn Ampornphan and Sutep Tongngam, Exploring Technology Influencers from Patent Data Using Association Rule Mining and Social Network Analysis, *Information(Switzerland)*, 11(6):1-19, doi:10.3390/info11060333, MDPI (2020).

3. Punyapas Chawaratthanarungsri and Sutep Tongngam, Solving the Travelling Problem of Thai Tourism, by Improved Ant Colony Optimization, *International Journal of Innovation, Creativity and Change (IJICC)* ,11(10):575-589, Primrose Hall Publishing Group (2020).

4. Pranomkorn Ampornphan and Sutep Tongngam, Patent Knowledge Discovery Using Data Analytics, in *Proceedings of 2017 International Conference on Information Technology (ICIT 2017)*.

5. Sutep Tongngam, An Enhancing scheme for Interference-aware Broadcast with Reducible TX-range in wireless networks, in *Proceedings of 9th IEEE International Conference on Communication Software and Networks (ICCSN 2017)*.

6. Gruia Calinescu, Benjamin Grimmer, Satyajayant Misra, Sutep Tongngam, Guoliang Xue, and Weiyi Zhang, Improved approximation algorithms for single-tiered relay placement. *J. Comb. Optim. 31(3): 1280-1297, Springer (2016)*.

7. S. Tongngam, On Dynamically Reducible Transmission Range for Interference-Aware Broadcasting in Wireless Networks*, in Proceedings of 2012 International Conference on Information Communication and Management II (ICICM 2012).*

8. S. Tongngam, A Reducible Transmission Range Approach for Interference-Aware Broadcasting in Wireless Networks, *in Proceedings of 2011 International Conference on Future Information Technology (ICFIT 2011).*
9. S. Tongngam, A BFS depth approach for Interference-Aware Broadcasting in Sparse Wireless AdHoc Networks with Unique Transmission Range, *in Proceedings of 2011 International Conference on Future Information Technology (ICFIT 2011).*
10. Calinescu, G., and Tongngam, S., Interference-aware broadcast scheduling in wireless networks, *Adhoc Networks 9(7):1069-1082, Elsevier (2011)*, preliminary version in *Proceeding of Mobile Ad-hoc and Sensor Networks (MSN 2008).*
11. T. Anjali, A. Fortin, G. Calinescu, S. Kapoor, N. Kirubnnandan, and S. Tongngam, Multipath Network Flows: Bounded Buffers and Jitter, *In proceedings of IEEE Infocom (2010).*
12. Stanford J., and Tongngam S., Approximation algorithm for maximum lifetime in wireless sensor networks with data aggregation. *Int. J. Sensor Networks, Vol. 6, No 1, pages 44-50, 2009*, preliminary version in *SAWN (with SNPD 2006).*
13. Calinescu G., and Tongngam S., Relay nodes in wireless sensor networks. i*n Y. Li, D.T. Huynh, S. Das, and D.-Z. Du, editors, Wireless Algorithms, Systems, and Applica- tions, volume 5258 of Lecture Notes in Computer Science,* pages 286–297*.* Springer Berlin Heidelberg, 2008*.*
14. Brinza D., Calinescu G., Tongngam S., and Zelikovsky A., Energy-efficient continuous and event driven monitoring. *In Proceedings of Mobile Adhoc and Sensor Systems (MASS 2005).*

Courses taught:

1. Introduction to data structures and algorithms
2. Introduction to computer programming and problem solving
3. Computer Architecture
4. Database Management Systems
5. Fundamentals in Computer Science
6. Marketing and Digital Marketing
7. Enterprise Information System
8. IT Strategic Planning
9. Operating Systems

Grants and Scholarships.

1. Ministry of Science and Technology, The Royal Thai Government, a full scholarship for Doctoral degree 2003-2008.
2. Research Grant from NSTDA : SCH-NR2012-551