Siripen Pongpaichet

Address

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Nakhon Pathom 73170
Thailand

Research Interests

Database management system, Situation recognition, Spatiotemporal data analysis

Professional Experience

Assistant Dean for Information,
Faculty of ICT, Mahidol University, Thailand, since Jan 2017

Lecturer,
Faculty of ICT, Mahidol University, Thailand, since Nov 2016

Graduate Student Researcher,
University of California, Irvine, USA, fall 2015 – spring 2016

Research Assistant,
National University of Singapore, Singapore, fall 2014

Intern Researcher,
FX Palo Alto Laboratory, Inc.,USA, summer 2012

Graduate Student Researcher,
University of California, Irvine, USA, summer 2011

IT Software Developer Intern,
Conexant Systems, Inc., Irvine, USA, summer 2010

Lecturer and Software Engineer,
Faculty of ICT, Mahidol University, Thailand, 2008-2009

Education

Doctor of Philosophy in Computer Science,
Donald Bren School of Information and Computer Sciences,
University of California, Irvine, USA, June 2016

Master of Science in Computer Science,
Donald Bren School of Information and Computer Sciences,
University of California, Irvine, USA, June 2011

Bachelor of Science in Information and Communication Technology,
Faculty of Information and Communication Technology,
Mahidol University, Thailand, May 2008 (First class honors)

Selected Honors
Full Scholarship, to study in Master's and Doctoral degree abroad,
Faculty of Information and Communication Technology, Mahidol University

Full Scholarship, to study in Bachelor degree at ICT program, Mahidol University

Academic Excellence, graduated with 3rd rank and achievement of 4.00 GPA in 2007

Second Prize in MS Office Specialist Olympic Thailand Competition 2007.

Selected Professional Service
Research Partner of the Institute for Future Health (IFH) at University of California, Irvine, 2017 – present

Selected Research Grants
Real Estate Pricing Prediction using Geospatial Interpolation Analytics from Large Scale Data, "New Researcher Grant, Mahidol University", 2017-2018, 180,000 Baht

Selected Invited Talks and Keynote Addresses
2nd Mahidol-Bremen Symposium on ICT in Medicine and Public Health, "TargetZIKA: Epidemic Situation Detection and Risk Preparedness for ZIKA Virus", Nakhon Pathom, Feb 2018

Doctoral Student Supervision
None

Publication Statistics <Optional>
Monographs:
Journal Articles:
Conference Papers:
Book Chapters:
Workshop Papers:
Edited Volumes:
Citations: Google Scholar: 175 with h-index of 9
                  Scopus: 15 (excluding self-citations) with h-index of 6

Selected Publications (Full publication list:
https://sites.google.com/mahidol.edu/siripen/publications)

M. Tang, F. Nie, S. Pongpaichet, R. Jain: Semi-supervised learning on large-scale geotagged photos for situation recognition. Journal of Visual Communication and Image Representation. (2017)

M. Tang, X. Wu, P. Agrawal, S. Pongpaichet, R. Jain: Integration of Diverse Data Sources for Spatial PM2.5 Data Interpolation. IEEE Transactions on Multimedia. (2016)

R. Jain, L. Jalali, S. Pongpaichet, A. Gupta: Building Social Life Networks. IEEE Data Eng. Bull. (2013)

J. Lee, C. Thabsuwan, S. Pongpaichet, K. Kim: Towards Building a Human Perception Knowledge for Social Sensation Analysis. *Web Intelligence*. (2018).

A. Sahay, A. Kumar, S. Pongpaichet: Multimedia Rescue Systems for Floods. *MEDES*. (2017)

M. Tang, S. Pongpaichet, R. Jain: Research Challenges in Developing Multimedia Systems for Managing Emergency Situations, *ACM on Multimedia Conference*. (2016)

S. Pongpaichet, M. Tang, L. Jalali, R. Jain: Using Photos as Micro-Reports of Events. *ICMR*. (2016)

M. Tang, P. Agrawal, F. Nie, S. Pongpaichet, R. Jain: A Graph-based Geospatial Multimodal Interpolation Framework. *ICME*. (2016)

M. Dao, K. Zettsu, S. Pongpaichet, L. Jalali, R. Jain: Exploring spatio-temporal-theme correlation between physical and social streaming data for event detection and pattern interpretation from heterogeneous sensor. *Big Data*. (2015)

M. Tang, P. Agrawal, S. Pongpaichet, R. Jain: Geospatial interpolation analytics for data streams in eventshop. *ICME*. (2015)

M. Dao, S. Pongpaichet, L. Jalali, K. Kim, R. Jain, K. Zettsu: A real-time complex event discovery platform for Cyber-Physical-Social Systems. *ICMR*. (2014)

S. Pongpaichet, V. K. Singh, R. Jain, A. S. Pentland: Situation fencing: making geo-fencing personal and dynamic. *In Proceedings of the 1st ACM international workshop on PDM*. (2013)

R. Jain, L. Jalali, S. Pongpaichet, A. Gupta: Building Social Life Networks. IEEE Data Eng. Bull. (2013)

S. Pongpaichet, V. K. Singh, M. Gao, R. Jain: EventShop: recognizing situations in web data streams. *WWW*. (2013)