Kan Ouivirach

Computer Science and Information Management
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Current Position	Ph.D candidate, Computer Science and Information Management, Asian Institute of Technology, Thailand.
Research Interests	Machine learning, computer vision and image processing especially applied to video surveillance.
Education	**Asian Institute of Technology, Thailand**
	Ph.D., Computer Science, 2008 – Present.
	Thesis: Incremental Behavior Modeling and Suspicious Activity Detection.
	Asian Institute of Technology, Thailand
	M.Eng., Computer Science, 2008.
	Thesis: Human Behavior Profiling for a Video Surveillance System.
	Kasetsart University, Thailand
	B.Eng., Computer Engineering, 2005.
	Senior Project: Mining System using Classification based on Multiple Association Rules (CMAR).
Honors, Awards, Grants	Royal Thai Government Fellowship, 2008 – 2011.
	Hisamatsu Prize for Master's Degree, 2008.
	Second Place Award in AIT Master Thesis Competition, 2008.
	Royal Thai Government Fellowship, 2006 – 2008.
Publications	Ouivirach, K., Gharti, S., and Dailey, M. N., Automatic Suspicious Behavior Detection from a Small Bootstrap Set. In *International Conference on Computer Vision Theory and Applications (VISAPP)*, 2012. To appear.
	Ouivirach, K. and Dailey, M. N., Clustering Human Behaviors with Dynamic Time Warping and Hidden Markov Models for a Video Surveillance System. In Proceedings of *International Conference on Electrical Engineering/Electronics Computer Telecommunications and Information Technology (ECTI-CON)*, 2010, pp. 884 – 888.

Professional Experience	**Part-time Lecturer**	January 2012 – April 2012

Professional Experience

Part-time Lecturer   January 2012 – April 2012
School of Science and Technology, Bangkok University, Thailand.
Teaching in Computer and Information Technology (e-Learning).

Part-time Lecturer   June 2011 – September 2011
School of Science and Technology, Bangkok University, Thailand.
Teaching in Computer and Information Technology.

Consultant & Programmer   January 2011 – March 2011
Scantron Project, Make Sense IT, Thailand.
Develop image processing and computer vision algorithms for an answer sheet checking and scoring for each answer sheet by using a scanned image of the answer sheet.

Graduate Teaching Assistant   August 2009 – December 2009
Computer Science and Information Management, Asian of Institute of Technology, Thailand.
Supervised students, graded work in Web Application Engineering.

Professional Activities

Reviewer for International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON).

Reviewer for International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS).

Student Member of IEEE since 2009.

Technical Expertise

Programing Languages: C/C++, Java, PHP, Perl, Python, SQL, Matlab.
Database Management Systems: MySQL, PostgreSQL.
Operating Systems: Ubuntu, Windows XP/Vista/7.

References

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