## Mr. Rattapoom Waranusast

นาย รัฐภูมิ วรานุสาสน์

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Summary	A lecturer working in teaching and researching (now on study leave) Nine-year experience in working at Department of Electrical and Computer Engineering, Faculty of Engineering, Naresuan University. A Ph D Candidate in Computer Science at Computer Science Field of Study, School of Engineering and Technology, Asian Institute of Technology Master of Engineering in Computer Science from Computer Science Field of Study, School of Advanced Technologies, Asian Institute of Technology Bachelor degree of Computer Engineering from Department of Computer Engineering, Faculty of Engineering, Chulalongkorn University				
Education	Aug 2005 – Present Asian Institute of Technology Pathumthani				
	<ul> <li>Ph. D. Candidate in Computer Science</li> <li>School of Engineering and Technology, Computer Science Field of Study</li> <li>GPA 3.83</li> <li>Dissertation: Sketch Understanding for Natural Automated Patient Record</li> <li>Dissertation Advisor: Professor Dr. Peter Haddawy</li> </ul>				
	<ul> <li>Aug 2003 – May 2005 Asian Institute of Technology Pathumthani</li> <li>Master of Engineering (M. Eng.) in Computer Science</li> <li>School of Advanced Technologies, Computer Science Field of Study</li> <li>GPA 3.28</li> <li>Thesis: Computer Recognition of Sketch Annotations         <ul> <li>Implemented using C++ and MATLAB</li> </ul> </li> <li>Thesis Advisor: Professor Dr. Peter Haddawy</li> </ul>				
	<ul> <li>May 1994 – Apr 1998 Chulalongkorn University Bangkok</li> <li>Bachelor of Engineering (B. Eng.) – Computer Engineering</li> <li>Faculty of Engineering</li> <li>Department of Computer Engineering</li> <li>GPA 2.68</li> <li>Senior Project: An Automatic Delivery System</li> <li>Senior Project Advisor: Associate Professor Dr. Wanchai Rivepiboon</li> <li>Internship: The Stock Exchange of Thailand, Bangkok</li> </ul>				
	<ul> <li>&gt; 1991-1993 Triam Udom Suksa School Bangkok</li> <li>• Graduated High School / Mathayom Suksa 6</li> <li>• Major in Science – Public Health</li> </ul>				

Teaching	≻	Jun 1998 – Present Naresuan University Phitsanulok
Experience		<ul> <li>Department of Electrical and Computer Engineering, Faculty of Engineering Position: Lecturer (on study leave)</li> <li>Teaching Subjects: <ul> <li>Devices for Digital Circuit (Co-lecturer)</li> <li>Microprocessor Interfacing</li> <li>Information System Analysis and Design</li> <li>Operating System I</li> <li>Pattern Recognition</li> <li>Database System (Co-lecturer)</li> <li>Computer Engineering Laboratory</li> <li>Software Engineering</li> </ul> </li> <li>Advisor of Senior Student Research Projects</li> <li>Additional Short Courses: <ul> <li>Programming with C</li> </ul> </li> </ul>
		<ul> <li>Introduction to Network and Offline Browser in Education</li> <li>Research</li> </ul>
		<ul> <li>Research on Finger Print Analysis (Co-Researcher)</li> </ul>
		<ul> <li>2007 Asian Institute of Technology Pathumthani</li> <li>Computer Science Field of Study, School of Engineering and Technology</li> <li>Position: Teaching Assistant</li> <li>Teaching Subject: Knowledge Management and Information Retrieval</li> <li>Course Level: Graduate Level</li> <li>Responsibilities: <ul> <li>Lectured on Content-Based Image Retrieval</li> <li>Composed some exam items</li> <li>Graded assignments, and exams</li> </ul> </li> </ul>
Publications		R. Waranusast, "Perceptual-based Region Extraction from Hand Drawn Sketches," in Advances in Computer Science and Technology 2007 (ACST, 2007), Phylet
		<ul> <li>In Advances in Computer Science and Technology 2007 (ACST 2007), Phuket, Thailand, 2007, pp. 222-227.</li> <li>R. Waranusast, "Perceptual-Based Region Extraction from Sketches," in The 11th Annual National Symposium on Computational Science and Engineering (ANSCSE11) Phuket, Thailand, 2007. (In Printed)</li> <li>R. Waranusast, "Fast Content-Based Image Retrieval using Wavelet Transform and Color Descriptor Matrix," in The 11th Annual National Symposium on Computational Science and Engineering (ANSCSE11) Phuket, Thailand, 2007. (Extended Abstract)</li> <li>R. Waranusast, "Sketch-Based User Interface fro Electronic Patient Record," A presentation in the Sixth AIT-KIST Joint International Symposium, Pathumthani, 18 January 2007.</li> <li>R. Waranusast, B. Thipakorn and N. Covavisaruch, "Automatic Measuring of Red Blood Cell Velocity in Modified Landis Technique Using Spatio-temporal Analysis," Proceedings, Image and Vision Computing New Zealand 2001 (IVCNZ'01), Dunedin, 26-28 November 2001. pp.357-362.</li> <li>R. Waranusast and N. Covavisaruch, "An Improvement of Motion Detection Using Hough Transform: Corner Approach," Proceedings, the 4th Annual National Symposium on Computational Science and Engineering (ANSCSE-4), Bangkok, 27-29 March 2000. pp. 283-292.</li> <li>R. Waranusast and N. Covavisaruch, "An Improvement of Motion Detection Using Hough Transform: A Multi-Resolution Approach," Proceedings, the 3rd Annual National Symposium on Computational Science and Engineering (ANSCSE-4), Bangkok, 27-29 March 2000. pp. 283-292.</li> </ul>

Additional Courses	2002	A MCSD Certified Courses at Sof	tware Park			
Interested Fields	<ul> <li>Digital Image Processing and Computer Vision</li> <li>Computer Graphics</li> <li>Machine Learning</li> <li>Pen-Based User Interface</li> </ul>					
Skills	English:	Excellent command of listened, read, spoken, and written English C++, C#, Java, Basic, Assembly, Pascal, Cobol, MATLAB Language MS Visual Basic, MS Visual C++, MS Visual C#, .NET Framework, Borland Delphi, Borland C++ Builder, MATLAB, OpenGL, OpenCV				
	Programming: Environment:					
Personal	Date of Birth	November 4, 1976	Gender:	Male		
Information	Marital Status: Place of Birth:	Single Phitsanulok	Nationality: Religion:	Thai Buddhism		

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