Curriculum Vitae

Assistant Professor Dr. Worawat Choensawat
ผู้ช่วยศาสตราจารย์ ดร. วรวัฒน์ เชิญสวัสดิ์

Position: Lecturer, School of Science and Technology, Bangkok University

Working address:Rama 4 Rd., Klong-Toey, Bangkok 10110, THAILAND
URL: http://mit.science.bu.ac.th/

Email: worawat.c@bu.ac.th

Research Interest: Graphics system for human body movement, Motion capture, Multimedia, Dance notation

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Education:

2009 – 2012	**Ph.D. in Engineering**, School of Science and Engineering, Ritsumeikan University, Shiga, Japan. Dissertation: *Integrated Dance Body Motion Archiving Using Dance Notation and Motion Capture.*
2000 – 2002	**M.Sc. in Information Science**, King Mongkut's Institute of Technology Ladkrabang (KMIT'L), Bangkok, Thailand.
1995 – 1999	**B.Sc. in Civil Engineering**, King Mongkut's Institute of Technology Ladkrabang (KMIT'L), Bangkok, Thailand.

Honor Award:

2011	Bursary Winners Award from Alliance of Digital Humanities Organisations in 2011 (Digital Humanities 2011 at Stanford University, USA, in the presentation of "*A Labanotation Editing Tool for Description and Reproduction of Stylized Traditional Dance Body Motion*".

Competition:

2014	2nd place winner in the IEEE CIG2014 Fighting Game AI Competition

Grants and Scholarships:

Doctoral Program, Ritsumeikan University

2010	Full Tuition scholarship 500,000yen.
2010	CREOTECH Scholarship Program for 2010 (Scholarship Programs for International Student in Doctoral Degree) 250,000yen
2011	Half Tuition scholarship 250,000yen.
2011	CREOTECH Scholarship Program for 2011 (Scholarship Programs for International Student Doctoral Degree) 250,000yen

Global COE program in Digital Humanities Center for Japanese Arts and Cultures

2009 -2011	Research Grant for Research Assistant type 1 total of 3,000,000yen

Research Fund, Dhurakijpundit University

2008	Application of Neural Networks to Business Bankruptcy Analysis in Thailand, BOOK NO: 332.75 ว277

National Research Council of Thailand

2013	Detection of Malicious Code on Mobile Operating Systems National Research Council of Thailand: 2556NRCT52002 No. 89086

Publications:

Journals	
2014	**Worawat Choensawat**, Minako Nakamura and Kozaburo Hachimura: (2014). GenLaban: A tool for generating Labanotation from motion capture data. Multimedia Tools and Applications, 1-24, DOI 10.1007/s11042-014-2209-6 (Imapct Factor: 1.058)
2014	Chonthorn Ariyapitipan and **Worawat Choensawat**: An Interactive Visualization System for Effective Senior Project Selection, International Journal of Digital Content Technology and its Applications, Vol. 8, No. 3, pp. 118-125
2013	**Worawat Choensawat** and Piruna Polsiri: Financial Institution Failure Prediction using Adaptive Neuro-Fuzzy Inference Systems: Evidence from the East Asian Economic Crisis, Journal of Advanced Computational Intelligence and Intelligent Informatics, Vol.17, No.1, pp.83-92
2013/01	**วรวัฒน์ เชิญสวัสดิ์**: ระบบการสืบค้นจากเนื้อหาของข้อมูลจับความเคลื่อนไหวของท่าเต้นรำ, วารสารวิชาการสมาคมสถาบันอุดมศึกษาเอกชนแห่งประเทศไทย ฉบับวิทยาศาสตร์และเทคโนโลยี, ปีที่ 1 ฉบับที่ 1, 2013
2012/06	**Worawat Choensawat** and Kozaburo Hachimura: Autonomous Dance Avatar for Generating Stylized Dance Motion from Simple Dance Notations, The Journal of the Institute of Image Electronics Engineers of Japan, Vol.41 No.4, pp. 366–370, 2012
2012/01	**W. Choensawat**, Woong Choi, and Kozaburo Hachimura, "Similarity Retrieval of Motion Capture Data Based on Derivative Features", Journal of Advanced Computational Intelligence and Intelligent Informatics, Fuji Technology Press, Vol.16, No.1, January 2012, pp. 13-23
2010/09	**W. Choensawat**, Sachie Takahashi, Minako Nakamura, Woong Choi, and Kozaburo Hachimura, "Description and Reproduction of Stylized Traditional Dance Body Motion by Using Labanotation", Transactions of the Virtual Reality Society of Japan, Vol.15, No.3, September 2010, pp.379-388
2007/03	K. Sookhanaphibarn, P. Polsiri, **W. Choensawat**, Application of neural networks to business bankruptcy analysis in Thailand, International Journal Computational Intelligence Research, Volume/Issue, 3/1 2007, pp. 91-96

International Conferences & Proceedings	
2013/08	Kingkarn Sookhanaphibarn, **Worawat Choensawat**, Chommanad Kijkhun, and Kozaburo Hachimura. "Toward a New Educational Tool for Thai Dance", The 28th Biennial Conference of the International Council of Kinetography Laban/Labanotation, York University, Toronto, Canada, July 31 to August 7, 2013
2013/07	**Worawat Choensawat**, Kingkarn Sookhanaphibarn, Chommanad Kijkhun, and Kozaburo Hachimura: Desirability of a Teaching and Learning Tool for Thai Dance Body Motion, In Proc. of International Conference on Human-Computer Interaction 2013, Las Vegas, Lecture Notes in Computer Science, Vol. 8013, pp. 171–179, 2013

2012/11	Minako Nakamura, **Worawat Choensawat**, Kozaburo Hachimura: "The evaluation of LabanEditor3 from a dance researcher's perspective: the case study of Classical Ballet in Labanotation class", Jinmonkon2012 (The computers and the humanities 2012), IPSJ Symposium Series Vol. 2012, No.7, pp. 111-116, Hokkaido University, Japan
2012/08	**W. Choensawat,** S. Takahashi, M. Nakamura, and Kozaburo Hachimura and K. Hachimura: "LabaNOHtation: Laban meets Noh", SIGGRAPH 2012, USA, ISBN978-1-4503-1435-0/12/0008, 2012(8)
2012/02	**W. Choensawat** and K. Hachimura: "Generating Stylized Dance Motion from Labanotation by Using an Autonomous Dance Avatar", In Proceedings of International Conference on Computer Graphics Theory and Applications, GRAPP2012, Rome, Italy, pp. 535-542, Feb 24-26, 2012
2011/10	**W. Choensawat**, S. Takahashi, M. Nakamura, and K. Hachimura: "The Use of Labanotation for Choreographing a Noh-Play", In Proceedings of International Conference on Culture and Computing 2011, Kyoto, Japan, pp. 167- 168, October 20-22, 2011.
2011/06	**W. Choensawat**, S. Takahashi, M. Nakamura, and K. Hachimura: "A Labanotation Editing Tool for Description and Reproduction of Stylized Traditional Dance Body Motion", Abstracts of Digital Humanities 2011 (DH2011), Stanford, USA, pp. 296- 299, June 19-22, 2011.
2010/06	**W. Choensawat**, W. Choi, K. Hachimura , "Realistic Expression of Body Motion and Environments in LabanEditor"; Nicograph International, Singapore, 2010., 2010/6/18-2010/6/19, pp. 49-51.
2010/03	**W. Choensawat**, W. Choi, H. Sekiguchi, and K. Hachimura, "Improved Segmentation of Motion Capture Data using SMOTE"; Proceedings of the IIEEJ Image Electronics and Visual Computing Workshop, Nice, France, 2010,2010/3/5 – 2010/3/7, 4 pages.
2009/12	**W. Choensawat**, W. Choi, and K. Hachimura: A Quick Filtering for Similarity Queries in Motion Capture Databases; Bangkok, Thailand, Lecture Notes in Computer Science, Volume 5879, Springer Verlag, pp. 404 – 415, 2009
2009/12	**W. Choensawat**, K. Hachimura : Segmentation of Motion Capture Data Using Neural Networks; International Conference of Digital Archives and Digital Humanities 2009, 2009/12/1 – 2009/12/2, National Taiwan University – Taipei, Taiwan.
2007/06	Lakesha L. Ruffin, Frank C. Lin, **Worawat Choensawat**, Worapat Prireekreng, Kingkarn Sookhanaphibarn: Diagnosis of Children with ADD/ADHD using a Recurrent Hopfield Net; The Third Shanghai International Symposium on Nonlinear Sciences and Applications (Shanghai NSA'07)
2006/10	K. Sookhanaphibarn, P. Polsiri, **W. Choensawat**, and F. C. Lin "Application of Neural Networks to Business Bankruptcy Analysis in Thailand", Proceedings of The 13th International Conference on Neural Information Processing (ICONIP'06), October 2-6, 2006.
2006/09	**W. Choensawat**, P. Polsiri, and K. Sookhanaphibarn, "Predicting Financial Institution Failure with Financial and Ownership Variables using Logit and Neural Networks: Evidence from the East Asian Crisis",Proceedings of Joint 3rd International Conference on Soft Computing and Intelligent Systems and 7th International Symposium on advanced Intelligent Systems, (SCIS&ISIS'06), September 20-24, 2006.

National Proceedings

2010/12	**W. Choensawat**, S. Takahashi, M. Nakamura, and K. Hachimura: "Description and Reproduction of Noh Body Motion by Using Labanotation", Jinmonkon2010, IPSJ Symposium Series Vol. 2010, No.15, pp. 285-290, Japan

Academic Workshop

2014/11	**W. Choensawat**, M. Nakamura, and K. Hachimura: " Autonomous Dance Avatar for Generating Stylized Dance Motion from Simple Dance Notations", 1st Workshop of Dance Notation and Robot Motion, LAAS-CNRS, Toulouse, France
2010/10	**W. Choensawat**, W. Choi, and K. Hachimura: " Data Filtering with Minimal Bounding Envelope for Similarity Retrieval of Motion Capture Data", The 6th Joint Workshop on Machine Perception and Robotics (MPR2010), Kyushu University Ito Campus, Japan, 2010 (Poster)
2010/09	**W. Choensawat**, S. Takahashi, M. Nakamura, W. Choi, and K. Hachimura: "Description and Reproduction of Stylized Traditional Dance Body Motion by Using Labanotation", The BUAA-Ritsumeikan Workshop on Computer Science and Technology, Beihang University, China, 2010 (Poster)

International Symposiums

2011/01	**W. Choensawat**, Sachie Takahashi, Minako Nakamura, Woong Choi, and Kozaburo Hachimura, "Description and Reproduction of Stylized Traditional Dance Body Motion with LabanEditor", International Symposium of Human Body Motion Analysis with Motion Capture, Jan 29, 2011, Ritsumeikan University, Kinugasa campus, Japan
2010/01	**W. Choensawat**, W. Choi, and K. Hachimura, "A Retrieval System for Similarity Queries in Motion Capture Databases", International Symposium of Human Body Motion Analysis with Motion Capture, Jan 23, 2010, Ritsumeikan University, Biwako campus, Japan

Work Experiences:

2012/06 – Present	Lecturer, School of Science and Technology, Bangkok University
2009/04 – 2012/06	Research Assistant in GCOE Program at Ritsumeikan University, Japan
2004/11 – 4/2009	Lecturer, Faculty of Information Technology, Dhurakijpundit University Thailand
2003/09 –2004/04	Computer Sale Manager, Cyber Combat, Australia.
1999 –2003	Site Engineer, C.S Constuction, Thailand.

Certification:

Sun Certified Programmer for Java[tm] 2 Platform 1.4