

Apirak Hoonlor

Address

Faculty of ICT
Mahidol University
999 Puttamonthon Rd. Salaya
Nakhon Pathom 73170
Thailand

Tel: +66 2 441 0909
Fax: +66 2 849 6099
Email: apirak.hoo@mahidol.edu

Research Interests

Data Mining, Data Science, AI Application

Professional Experience

Lecturer, Faculty of ICT, Since 2011

Research Assistant, Computer Science Department, Rensselaer Polytechnic Institute, 2007 – 2011.

Teaching Assistant, Computer Science Department, Rensselaer Polytechnic Institute, 2007 – 2010.

Teaching Assistant, Computer Science Department, University of Wisconsin, Madison, 2005 – 2006.

Software Programmer, Chemical Engineering Department, University of Wisconsin, Madison, 2001.

Education

Ph.D. in Computer Science, Computer Science Department, Rensselaer Polytechnic Institute, August 2011

MSc in Computer Science, Computer Science Department, University of Southern California, May 2004

Bachelor of Science, Double-Major in Computer Science and Mathematics, University of Wisconsin, Madison, May 2002

Selected Honors

Best Poster Award, 2008 - Rensselaer Polytechnic Institute Graduate Research Colloquium awarded, Best Poster Awards to the “Recursive Data Mining”.

Degree Distinction, 2002 - Awarded by University of Wisconsin - Madison for Academic Excellent.

DPST Scholar, 1997 - Full scholarship to study Undergraduate and Graduate degrees in USA, awarded by Thai government (DPST Program)

DPST Scholar, 1994 - Full scholarship to study high school level in Thailand, awarded by Thai government (DPST Program).

Selected Professional Service

1. Workshop speaker, The Practical Workshop on Machine Learning & Data Analytics: Life and Non-Life Insurance Focus, THAIRE Services Co. LTD, Ref: Dr. Sittiporn Intuwonges (email: sittiporn@thaireservices.com)

2. Trainer, ACM-ICPC Thailand Boost-Up Camp, Ref: Asst. Prof. Krisana Chinnasarn (email: krisana@buu.ac.th)
3. Problem Setter, ACM-ICPC Competition Thailand and Regional Round, Ref: Asst. Prof. Songsri Tangsripairoj (email: songsri.tan@mahidol.edu)
4. Data Analytics Consultant, Thai Union Food (via Faculty of Science, Mahidol University) Ref: Asst. Prof. Nattawee Niamsiri (email: nuttawee.nia@mahidol.edu)

Selected Research Grants

1. Title: Biomedical and Clinical Decision and Management Support System: A Platform and Capacity Building Funding Agency: Center of Excellence on Medical Biotechnology (CEMB), Awarded 2016, Position: Researcher, Status: Ongoing (3 years period).
2. Title: Realism and Effectiveness Evaluation System for the Training Simulation System Funding Agency: Defense Technology Institute (Subcontract research and development), Awarded 2015, Position: Researcher, Status: Completed.
3. Title: Clinical Decision Support System, Funding Agency: Mahidol University (ICBS Center), Awarded 2015, Position: Researcher, Status: Completed.
4. Title: Approximate Outlier Detection Algorithm for Arbitrary Shape Data Clusters Funding Agency: Mahidol University (New Researcher Grant), Awarded 2013, Position: PI, Status: Completed.

Selected Invited Talks and Keynote Addresses

1. Apirak Hoonlor, Data Science Workshop “Trends of Time series Analysis and Data Science”, JCSSE 2018, June 11th 2018, Bangkok Thailand.
2. Apirak Hoonlor, Keynote Addresses “Trends in Computer Science”, E-Leader Conference, January 6th 2014, Bangkok Thailand

Doctoral Student Supervision

1. Prapaporn Khantanas, currently supervising

Selected Publications (Full publication list: <http://mucc.mahidol.ac.th/~itapirak>)

1. A. Hoonlor, V. Charoensawan, S. Srisuma, The Clinical Decision Support System for the Snake Envenomation in Thailand. In the Proc. of the 15th International Joint Conference on Computer Science and Software Engineering, Nakhon Pathom, Thailand, 2018.
2. A. Huang, A. Hoonlor, A Multi-Layer Graph Analytics to Identify Bioinformatics Tool Usage Practices from Tool Directories and PubMed Indexed Cross-citations. 20th ICSEC, Chiang Mai, Thailand, 2016.
3. A. Hoonlor, S. Palakvangsa Na Ayudhya, S. Harnmetta, S. Kitpanon, K. Khlayprasit, Ucap: A Crowdsourcing Application for the Visually Impaired and Blind Persons on Android Smartphones. 19th ICSEC, Chiang Mai, Thailand, 2015.
4. N. Kiatkumjounwong, S. Ngamsuriyaroj, A. Plangprasopchok, A. Hoonlor, Analysis and Classification of Web Proxy Logs Based on Patterns of Traffic Rates. IEEE Region 10 Conference TENCON, Bangkok, Thailand 2014.
5. A. Hoonlor, B. K. Szymanski, M. J. Zaki, Trends in Computer Science Research. Communications of the ACM, 56(10): 74-83, Oct. 2013.