Chaiyong Ragkhitwetsagul

Address

Faculty of ICT
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Research Interests

Software Engineering, Static Software Analysis, Code Clone Detection, Mining Software Repositories

Professional Experience

Lecturer, Faculty of ICT, since December 2012
Assistant Dean of the Academic Administration, since Oct 2018
Mahidol University
Thailand

System Analyst, 2009 – 2012
National Economic and Social Development Board
Thailand

Software Test Engineer, 2006 – 2007
Microsoft (Thailand)
Thailand

Education

Doctor of Philosophy, Department of Computer Science
University College London, UK, October 2018

Master of Science in IT – Very Large Information Systems
Carnegie Mellon University, USA, December 2008

Bachelor of Engineering, Department of Computer Engineering (Magna cum Laude)
Kasetsart University, Thailand, March 2006

Selected Honors

The People's Choice Award (best presentation), 12th International Workshop on Software Clones, Campobasso, Italy, 2018

The People's Choice Award (best presentation), 11th International Workshop on Software Clones, Klagenfurt, Austria, 2017

Full PhD scholarship, Mahidol University, 2014

Full Master's degree scholarship, The Royal Thai Government, 2007

Winner of the 8th National Software Contest of Thailand (NSC) – Software for Entertainment, 2006

Selected Professional Service

Program committee, Technical Research track of the 35th IEEE International Conference on Software Maintenance and Evolution (ICSME 2019).

Program committee, Technical Research track of 27th IEEE/ACM International Conference on Program Comprehension 2019 (ICPC 2019).

Program committee, the 13th International Workshop on Software Clones (IWSC 2019).

Selected Research Grants

Amazon AWS Credits for Research (20,000 USD), 2018

NSF Student Travel Support (700 USD), the 8th Symposium on Search-Based Software Engineering, 2016

Microsoft Azure Research Award (20,000 USD), 2016

Selected Invited Talks and Keynote Addresses

N/A

Doctoral Student Supervision

N/A

Publication Statistics

Monographs: 0
Journal Articles: 3
Conference Papers: 7
Book Chapters: 0
Workshop Papers: 2
Edited Volumes: 0
Citations: Google Scholar: 45 with h-index of 4
                   Scopus: 24 (excluding self-citations) with h-index of 3

Selected Publications (Full publication list: https://cragkhit.github.io/research.html)

C. Ragkhitwetsagul, J. Krinke. Siamese: Scalable and Incremental Code Clone Search via Multiple Code Representations. *Empirical Software Engineering*, 2019.

C. Ragkhitwetsagul, J. Krinke, M. Paixao, G. Bianco, R. Oliveto, Toxic Code Snippets on Stack Overflow, *IEEE Transactions on Software Engineering*, 2019.

J. Wilkie, Z. Al Halabi , A. Karaoglu , J. Liao , G. Ndungu, C. Ragkhitwetsagul, M. Paixao , J. Krinke. Who's this? Developer identification using IDE event data. In *the 15th International Conference on Mining Software Repositories – Mining Challenge (MSR 2018),* 2018. Gothenburg, Sweden

C. Ragkhitwetsagul, J. Krinke. A picture is worth a thousand words: code clone detection based on image similarity. *In the 12th International Workshop on Software Clones (IWSC 2018)*, 2018. Campobasso, Italy

C. Ragkhitwetsagul, J. Krinke, R. Oliveto. Awareness and Experience of Developers to Outdated and License-Violating Code on Stack Overflow: An Online Survey. *UCL Computer Science Research Note (RN/17/10),* 2017.

C. Ragkhitwetsagul, J. Krinke, D.Clark. A Comparison of Code Similarity Analysers. *Empirical Software Engineering*, https://doi.org/10.1007/s10664-017- 9564-7, 2017.

M. Paixao, J. Krinke, D. Han, C. Ragkhitwetsagul and M. Harman. Are Developers Aware of the Architectural Impact of Their Changes? In *the 32nd IEEE/ACM International Conference on Automated Software Engineering (ASE 2017)*, 2017. Illinois, USA

C. Ragkhitwetsagul, J. Krinke. Using Compilation/Decompilation to Enhance Clone Detection. In *11th International Workshop on Software Clones,* 2017. Klagenfurt, Austria

C. Ragkhitwetsagul, M. Paixao, M. Adham, S. Busari, J. Krinke, and J. H. Drake. Searching for Configurations in Clone Evalution: A Replication Study. In *8th International Symposium on Search-based Software Engineering (SSBSE): Challenge Track*, 2016. Raleigh, NC, USA.

C. Ragkhitwetsagul, J. Krinke, D. Clark. Similarity of Source Code in the Presence of Pervasive Modifications. In *16th IEEE International Working Conference on Source Code Analysis and Manipulation (SCAM)*, 2016. Raleigh, NC, USA.

C. Ragkhitwetsagul. Measuring Code Similarity in Large-scaled Code Corpora. In *32nd International Conference on Software Maintenance and Evolution (ICSME): Doctoral Symposium*, 2016. Raleigh, NC, USA.