Curriculum Vitae ♡ Chu Luo ♡ July 31, 2016

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Birthdate: December 30, 1991

RESEARCH INTEREST

I strive for new discoveries in computer science and mathematics with my unwavering devotion. Currently, I am interested in the following areas:

- Ubiquitous Computing: Smartphone Sensing Systems, Mobile Applications
- Artificial Intelligence: Context-Aware Techniques
- Discrete Mathematics (only in leisure time): Combinatorics, Graph Theory, Number Theory

EDUCATION

Apr. 2015 - Now	**Ph. D.** in Computer Science	University of Oulu
Sep. 2013 - Nov. 2014	**M. Sc.** in Software Engineering with **Distinction**	University of Southampton
Sep. 2009 - Jul. 2013	**B. Eng.** in Software Engineering	Shanghai Jiao Tong University

PUBLICATION

[12] Huber Flores, Denzil Ferreira, Chu Luo, Vassilis Kostakos, Pan Hui, Rajesh Sharma, Sasu Tarkoma and Yong Li. 2016. Social-aware Device-to-Device Communication: A Contribution for Edge and Fog Computing? *Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp16).* (Accepted)

[11] Chu Luo, Miikka Kuutila, Simon Klakegg, Denzil Ferreira, Huber Flores, Jorge Goncalves, Vassilis Kostakos and Mika Mäntylä. 2016. How to Validate Mobile Crowdsourcing Design? Leveraging Data Integration in Prototype Testing. *Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp16).* (Accepted)

[10] Simon Klakegg, Chu Luo, Jorge Goncalves, Simo Hosio and Vassilis Kostakos. 2016. Instrumenting Smartphones with Portable NIRS. *Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp16).* (Accepted)

[9] Chu Luo, Angelos Fylakis, Juha Partala, Simon Klakegg, Jorge Goncalves, Kaitai Liang, Tapio Seppänen and Vassilis Kostakos. 2016. A Data Hiding Approach for Sensitive Smartphone Data. *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp16).* (Accepted)

[8] Niels van Berkel, Chu Luo, Theodoros Anagnostopoulos, Denzil Ferreira, Jorge Goncalves, Simo Hosio and Vassilis Kostakos. 2016. A Systematic Assessment of Smartphone Usage Gaps.

Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16), 4711-4721. URL: http://dx.doi.org/10.1145/2858036.2858348

[7] Simo Hosio, Denzil Ferreira, Jorge Goncalves, Niels van Berkel, Chu Luo, Muzamil Ahmed, Huber Flores and Vassilis Kostakos. 2016. Monetary Assessment of Battery Life on Smartphones. *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16)*, 1869-1880. URL: http://dx.doi.org/10.1145/2858036.2858285

[6] Jiyou Li and Chu Luo. 2016. The simplified weighted sum function and its average sensitivity. *Information Processing Letters* 116, 5, 331-336. URL: http://dx.doi.org/10.1016/j.ipl.2016.01.002

[5] Niels van Berkel, Chu Luo, Denzil Ferreira, Jorge Goncalves and Vassilis Kostakos. 2015. The Curse of Quantified-Self: An Endless Quest for Answers. *Adjunct Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp15)*, 973-978. URL: http://dx.doi.org/10.1145/2800835.2800946

[4] Chu Luo. 2014. Video Summarization for Object Tracking in the Internet of Things. *Next Generation Mobile Apps, Services and Technologies (NGMAST), 8th International Conference on.* IEEE. URL: http://dx.doi.org/10.1109/NGMAST.2014.20

PREPRINT

[3] Chu Luo. 2015. A Mathematical Theorem about Northern Europe and Its Proof. URL: http://dx.doi.org/10.13140/RG.2.1.2026.3121

[2] Chu Luo. 2015. Solving a Mathematical Problem in Square War: a Go-like Board Game. arXiv Preprint. URL: http://arxiv.org/abs/1509.09240

[1] Jiyou Li, Chu Luo and Zeying Xu. 2015. The Minimal and Maximal Sensitivity of the Simplified Weighted Sum Function. arXiv Preprint. URL: http://arxiv.org/abs/1505.00887

CONFERENCES ATTENDED

[5] ACM SIGCHI Conference on Human Factors in Computing Systems (CHI), San Jose, USA, May 7-12, 2016.

[4] ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2015), Osaka, Japan, September 7-11, 2015.

[3] 17th International Conference on Human-Computer Interaction with Mobile Devices and Services, Copenhagen, Denmark, August 24-27, 2015.

[2] Algebraic Combinatorics Workshop at University of Science and Technology of China, Hefei, China, November 26-29, 2014.

[1] 8th International Conference on Next Generation Mobile Apps, Services and Technologies (NGMAST2014), Oxford, UK, September 10-12, 2014.

REVIEWING

CSCW 2017, Microprocessors and Microsystems 2016, NordiCHI 2016, International Journal of Human-Computer Studies 2016, UbiComp 2016, DIS 2016, CHI 2016, AMI 2015.

PROGRAMMING SKILLS

ActionScript, C, C++, C#, Event-B, Html5, LaTeX, Java, JavaScript, Matlab, Mathematica, PHP, Promela, Python, R, SQL, UnrealScript

LANGUAGES

Mandarin Chinese: Native Speaker
English: IELTS Overall 7.0, Listening 8.0, Reading 7.0, Writing 7.0, Speaking 6.5

ERDŐS NUMBER

4

Jiyou Li and Chu Luo. 2016. The simplified weighted sum function and its average sensitivity. *Information Processing Letters* 116, 5, 331-336. URL: http://dx.doi.org/10.1016/j.ipl.2016.01.002

Jiyou Li, David B. Chandler and Qing Xiang. 2010. Permutation polynomials of degree 6 or 7 over finite fields of characteristic 2. *Finite Fields and Their Applications* 16, 6, 406-419.

Richard M. Wilson and Qing Xiang. 1997. Constructions of Hadamard difference sets. *Journal of Combinatorial Theory, Series A* 77, 1, 148-160.

Paul Erdős, Joel C. Fowler, Vera T. Sós and Richard M. Wilson. 1985. On 2-designs. *Journal of Combinatorial Theory, Series A* 38, 2, 131-142.