ZHANNA SARSENBAYEVA

Curriculum Vitae

CONTACT

Email: z.sarsenbayeva@student.unimelb.edu.au

Website: https://zhannina.github.io/

EDUCATION

2017 – current   *Doctor of Philosophy, PhD (Engineering),* **The University of Melbourne, Melbourne, Australia.**

2014 – 2016   *Master of Science (Technology) in Master's Degree Programme in Computer Science and Engineering (Thesis grade – excellent),* **University of Oulu, Oulu, Finland.**

2007 – 2010   *BSc Computer Science (Honours),* **University College London, London, UK**

AWARDS

2018:   **Best Presentation Award – Honourable Mention,** Doctoral Colloquium, UbiComp'18 (CORE A*), Singapore

2018:   **UbiComp'18 Travel Grant,** Singapore

2018:   **Google PhD Travel Scholarship**

2017:   **SIGCHI Best of OzCHI Honourable Mention Award (top 5% of papers),** OzCHI 2017, Brisbane, Australia

2017:   **Google PhD Travel Scholarship**

2017:   **Best Poster Award – Honourable Mention**, Doctoral Colloquium, The University of Melbourne, Australia

2016:   **Best Project Award**, International UBI Summer School 2016, Oulu, Finland

2015:   **Best Presentation Award**, International UBI Summer School 2015, Oulu, Finland

---

WORK EXPERIENCE

Spring term 2019   **Research Assistant**
The University of Melbourne, Melbourne, Australia

Spring term 2019   **Tutor** (Designing Novel Interactions)
The University of Melbourne, Melbourne, Australia

Fall term 2018   **Tutor** (Fundamentals of Interaction Design)
The University of Melbourne, Melbourne, Australia

Fall term 2017   **Tutor** (Graphics and Interaction, Fundamentals of Interaction Design)
The University of Melbourne, Melbourne, Australia

2016 – 2017   **Android Developer**, www.intellection.kz
Almaty, Kazakhstan

2015 – 2016   **Research Assistant** in the Center for Ubiquitous Computing
University of Oulu, Oulu, Finland

2011 – 2014   **Teaching Assistant** in Computer Science Department
Nazarbayev University, Astana, Kazakhstan

2010 – 2011   **Technical Consultant,** Medtronic, Almaty, Kazakhstan

EXTRACURRICULAR ACTIVITIES

2018: Student Volunteer, UbiComp'18, Singapore

2018: Secretary at Computer and Information Systems Research Students Organisation (CIS-GReS), The University of Melbourne, Australia

2017: N2Women Meeting Attendee, UbiComp'17, Maui, USA

2017: Student Volunteer, OzCHI 2017, Brisbane, Australia

2016: N2Women Meeting Attendee, UbiComp'16, Heidelberg, Germany

2016: Student Volunteer, International UBI Summer School 2016, Oulu, Finland

ACADEMIC SERVICE

2019: Co-organiser, Workshop on "Addressing the Challenges of Situationally-Induced Impairments and Disabilities in Mobile Interaction", CHI'19 **CORE A***, Glasgow, UK

2019: Video Previews Co-Chair, CHI'19 **CORE A***, Glasgow, UK

2019: External Reviewer for IJHCS, IMWUT

2018: Co-organiser, Workshop on "Ubiquitous Mobile Sensing: Behaviour, Mood, and Environment", UbiComp'18 **CORE A***, Singapore

2018: Student Volunteer Chair, OzCHI'18, Melbourne, Australia

2018: Student Design Challenge Chair, OzCHI'18, Melbourne, Australia

2018: External Reviewer for IMWUT, MobileHCI, OzCHI

2017: External Reviewer for IMWUT, OzCHI

PUBLICATIONS

2019

Z. Sarsenbayeva, N. van Berkel, D. Hettiachchi, W. Jiang, T. Dingler, E. Velloso, V. Kostakos, J. Goncalves (2019). Measuring the Effects of Stress on Mobile Interaction. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT, UbiComp'19, **CORE A***), 3(1), 24:1-24:18.

Z. Sarsenbayeva, V. Kostakos, J. Goncalves (2019). Situationally-Induced Impairments and Disabilities Research. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI'19 EA).

G.W. Tigwell, **Z. Sarsenbayeva,** B.M. Gorman, D.R. Flatla, J. Goncalves, Y. Yesilada, J.O. Wobbrock (2019). Addressing the Challenges of Situationally-Induced Impairments and Disabilities in Mobile Interaction. In Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI'19 EA).

C. Luo, A. Visuri, S. Klakegg, N. van Berkel, **Z. Sarsenbayeva,** A. Möttönen, J. Goncalves, T. Anagnostopoulos, D. Ferreira, H. Flores, E. Velloso, V. Kostakos (2019). Energy-Efficient Prediction of Smartphone Unlocking, Personal and Ubiquitous Computing, 23(1), 159-177.

2018

Z. Sarsenbayeva, N. van Berkel, E. Velloso, V. Kostakos, J. Goncalves (2018). Effect of Distinct Ambient Noise Types on Mobile Interaction. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT, UbiComp'18, **CORE A***), 2(2), 82:1-82:23.

S. Klakegg, J. Goncalves, C. Luo, A. Visuri, A. Popov, N. van Berkel, **Z. Sarsenbayeva,** V. Kostakos, S. Hosio, S. Savage, A. Bykov, I. Meglinski, D. Ferreira (2018). Assisted Medication Management in Elderly Care Using Miniaturised Near-Infrared Spectroscopy. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT, UbiComp'18, **CORE A***), 2(2), 69:1-69:24.

S. Mayer, L. Lischke, J. E. Grønbæk, **Z. Sarsenbayeva,** J. Vogelsang, P. Woźniak, N. Henze, G. Jacucci. Pac-Many: Movement Behavior when Playing Collaborative and Competitive Games on Large Displays. In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems 2018 (CHI'18, **CORE A***), 539:1-539:10.

Zhanna Sarsenbayeva. Situational Impairments during Mobile Interaction. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT, UbiComp'18 Adjunct) 1(1), 11:498-11:503. **Best Presentation** – Honourable Mention Award

O. Matthews, **Z. Sarsenbayeva,** W. Jiang, J. Newn, E. Velloso, S. Clinch, J. Goncalves (2018). Inferring the Mood of a Community From Their Walking Speed: A Preliminary Study. Adjunct Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'18 Adjunct), 1144-1149.

W. Jiang, G. Marini, N. van Berkel, **Z. Sarsenbayeva,** C. Luo, X. He, T. Dingler, Y. Kawahara & V. Kostakos. A Mobile Scanner for Probing Liquid Samples in Everyday Settings. Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (Ubicomp'18 Adjunct), 1172-1177.

A. Visuri, K, Asare, E. Kuosmanen, Y. Nishiyama, D. Ferreira, **Z. Sarsenbayeva,** J. Goncalves, N. van Berkel, G. Wadley, V. Kostakos, S. Clinch, O. Matthews, S. Harper, A. Jenkins, S. Snow, m. c. schraefel (2018). Ubiquitous Mobile Sensing: Behaviour, Mood, and Environment. Adjunct Proceedings of the 2018 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'18 Adjunct), 1140-1143.

2017

Z. Sarsenbayeva, N. van Berkel, A. Visuri, S. Rissanen, H. Rintamäki, V. Kostakos, J. Goncalves (2017). Sensing Cold-Induced Situational Impairments in Mobile Interaction using Battery Temperature. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT, UbiComp'17, **CORE A***), 1(3), 98:1-98:10.

Z. Sarsenbayeva, N. van Berkel, C. Luo, V. Kostakos, J. Goncalves (2017). Challenges of Situational Impairments during Interaction with Mobile Devices. Proceedings of the 29th Australian Conference on Human-Computer Interaction (OzCHI'17), 477-481. **Best Paper** – Honourable Mention Award

Z. Sarsenbayeva, D. Ferreira, N. van Berkel, C. Luo, M. Vaisanen, V. Kostakos, J. Goncalves (2017). Vision-Based Happiness Inference: A Feasibility Case-Study. Adjunct Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'17 Adjunct), 494-499.

A. Visuri, **Z. Sarsenbayeva,** N. van Berkel, J. Goncalves, R. Rawassizadeh, V. Kostakos, D. Ferreira (2017). Quantifying Sources and Types of Smartwatch Usage Sessions. In Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems 2017 (CHI'17, **CORE A***), 3569-3581.

J. Goncalves, **Z. Sarsenbayeva,** N. van Berkel, C. Luo, S. Hosio, S. Risanen, H. Rintamäki, V. Kostakos (2017). Tapping Task Performance on Smartphones in Cold Temperature. Interacting with Computers, 29(3), 355-367.

2016

Z. Sarsenbayeva, J. Goncalves, J. García, S. Klakegg, S. Rissanen, H. Rintamäki, J. Hannu, V. Kostakos (2016). Situational Impairments to Mobile Interaction in Cold Environments. In Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'16, **CORE A***), 85-96.

A. Visuri, **Z. Sarsenbayeva,** J. Goncalves, E. Karapanos, S. Jones (2016). Impact of Mood Changes on Application Selection. In Adjunct Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'16 Adjunct), 535-540.