

# ZHANNA SARSENBAYEVA

## Curriculum Vitae

### CONTACT

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### 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

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### AWARDS AND RECOGNITION

**2019:** **Diane Lemaire Scholarship (AUD 7000)**, School of Engineering, The University of Melbourne, Awarded to only 1 student per year.

**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:** **Melbourne Research Scholarship**, The University of Melbourne

**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

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### WORK EXPERIENCE

**Feb 2019 – Jul 2019** **Research Assistant**, The University of Melbourne, Australia

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

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

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

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

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

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

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### ADDITIONAL WORK EXPERIENCE

**2017 - current**      Consultant, [www.wunder.kz](http://www.wunder.kz), Almaty, Kazakhstan

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### 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

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### 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

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### SUPERVISED MSC THESES

**2018:** Silan Li (MSc, Co-supervisor)

**2018:** Jia Liu (MSc, Co-supervisor)

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### 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,** N. van Berkel, W. Jiang, D. Hettiachchi, V. Kostakos, J. Goncalves (2019). Effect of Ambient Light on Mobile Interaction. Proceedings of the 17th IFIP TC.13 International Conference on Human-Computer Interaction (INTERACT'19, **CORE A**), to appear.

# ZHANNA SARSENBAYEVA

## Curriculum Vitae

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. Grønbaek, 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.

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**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 (**CORE B**), 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.