

# Ting Pradthana Jarusriboonchai, D.Sc.

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## Highlight

Ting is an **interaction designer** and **user experience researcher** with computer engineering background. Worked with a broad set of technology (wearable technology, smart clothing, smartphones, and multi-touch table) as a software developer, a designer, and a researcher. Specialities in **qualitative user research** and **user-centred design**. Experienced using several **UX research and design methods** in gathering user insights and experience. Industry experience as a lead software developer in a start-up company.

## Skills

**Core skills:** qualitative UX research methods.

**Tools:** Illustrator, Photoshop, InDesign, XD, inVision

**Programming:** C#, Java, Python, HTML/CSS, Physical programming (processing, basic electronics).

**Languages:** Fluent in English, native in Thai.

## Experiences

**Senior researcher (postdoc)** in UX and interaction design

Jul 2018 – present | University of Lapland

- Led design, development, and user studies of wearable technology in relation to fashion. Worked in a team with diverse background.
- Designed and conducted user research using co-design workshops, experience sampling, interview, survey, and technology probes.
- Delivered results in the form of design guidelines, actionable user needs and insights, design suggestions, and published peer-reviewed academic texts.
- Designed and implemented novel wearable devices. Design works were exhibited at local and international exhibitions.
- Taught *participatory design and interactive prototyping* to bachelors and master students in industrial design and art.

**Research associate (postdoc)** in Digital Civics

Jan 2017 – Jun 2018 | Newcastle University

- Led a research in understanding young children and play. Designed and conducted an ethnography study in primary schools that results in design considerations for future technology that supports children free play.
- Report findings through publications and presentations in academia venues.
- Led university outreach programmes and technology workshops in local communities and schools. Designed short and long programming activities and lessons for primary school children.

**Researcher** in User Experience and Human-Computer Interaction

Feb 2013 – Dec 2016 | Tampere University of Technology

- Designed, planned, and executed a total of 5 design research projects related to smartphone uses in face-to-face interactions.
- Designed mobile application concepts using scenarios, storyboard, and co-design workshop.
- Designed and conducted user research and evaluation using interview, survey, diary, technology probes, field studies, and shadowing. The findings are design guidelines for future design of mobile applications.
- Communicated designs and findings through demos, posters, presentations, and papers in academic venues.
- Mentored in user-centred design project course for engineering master students.

### Software developer (WPF C#)

Jan 2012 – Jan 2013 | Exzy Company Limited

- Led software developing for interactive advertisement application on multi-touch surface.
- Worked as part of the design team to design and develop satisfied interactive advertising concepts for retail flagship stores in Thailand.
- Collaborated with the sale team in gathering requirements and selling products.

### Education

#### *D.Sc. in Technology (UX and Human-Computer Interaction)*

2017 | Tampere University of Technology, Finland

Completed doctoral education in interaction design and user experience.

Doctoral thesis is on designing mobile technology to enhance face-to-face interaction.

#### *M.Sc. in Interactive System Engineering*

2012 | KTH Royal Institute of Technology, Sweden

Courses included human-computer interaction, interaction design, usability evaluations, and qualitative research methods.

#### *B.Eng. in Computer Engineering*

2008 | Kasetsart University, Thailand

### Publications

- 19 peer-reviewed publications in international conferences and journals (13 full papers and 6 extended abstracts).
- 4 workshops, 2 artistic works, and 5 exhibitions.
- Google Scholar: <https://tinyurl.com/yd25ywpj>

#### Selected publications

Olsson, T., *Jarusriboonchai, P.*, Woźniak, P., Paasovaara, S., Väänänen, K., and Lucero, A. **Technologies for Enhancing Collocated Social Interaction: Review of Design Solutions and Approaches**. In Computer Supported Coop Work (2019).

*Jarusriboonchai, P.*, Meissner, J., Almeida, T., and Balaam, M. **Understanding Children's Free Play in Primary Schools**. In Proceedings of the 9th International Conference on Communities & Technologies - Transforming Communities (C&T'19). ACM Press (2019), 178-188.

DOI= 10.1145/3328320.3328384

Meissner, J., *Jarusriboonchai, P.*, McLaughlin, J., and Wright, P. **More than the Sum of Makers: The Complex Dynamics of Diverse Practices at Maker Faire**. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI'19), Paper No. 18. DOI= 10.1145/3290605.3300348

*Jarusriboonchai, P.*, Malapaschas, A., and Olsson, T. **Design and Evaluation of a Multi-Player Mobile Game for Icebreaking Activity**. In *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI'16)*., 4366-4377. DOI: 10.1145/2858036.2858298

#### Artistic work and Exhibitions

*Jarusriboonchai, P.*, Harjuniemi, E., Müller, H., Colley, A., and Häkkinen, J. **Linn Dress**.

- 2019 – Design Exhibition, ACM International Symposium on Wearable Computers, London, UK.
- 2019 – Group Exhibition, Kilo Gallery, University of Lapland, Finland.

Jarusriboonchai, P. and Napari, E. **Organic Soft Headphone.**

- 2018 - Group Exhibition, Kilo Gallery, University of Lapland, Finland.

Meissner, J., Jarusriboonchai, P., and Al-Shahrabu, D. **Digital Maker Guestbook.**

- 2018 - Group Exhibition. Maker Faire UK, Life Science Centre, Newcastle, UK.
- 2018 – Group Exhibition. Maker Faire Vienna, METASTadt, Vienna, Austria.

## References

- Professor Kaisa Väänänen: [kaisa.vaananen@tuni.fi](mailto:kaisa.vaananen@tuni.fi)
- Associate Professor Thomas Olsson: [thomas.olsson@tuni.fi](mailto:thomas.olsson@tuni.fi)
- Professor Jonna Häkkinen: [Jonna.Hakkila@ulapland.fi](mailto:Jonna.Hakkila@ulapland.fi)