



**Dr.-Ing. Ramyah Gowrishankar**

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## EDUCATION

- 2020 November  
DOKTORINGENIEUR (Dr.-Ing.)  
Berlin University of the Arts,  
Germany
- 2011 December  
MASTER OF ARTS IN NEW MEDIA  
Media Lab Helsinki  
Aalto University, Finland
- 2007 Jan – April:  
STUDENT FELLOWSHIP  
Institute of Advanced Media Arts  
and Sciences (IAMAS), Gifu, Japan
- 2001 – 2006:  
UNDERGRADUATE DIPLOMA  
Communication Design  
Srishti, School of Art Design and  
Technology, Bangalore, India.

## EXPERTISE

E-textiles, Wearable Computing,  
Human Computer Interaction,  
Design Research

## LINKS

[narrativize.net](http://narrativize.net)  
[Research Gate](#)  
[Orcid ID](#)  
[estatictextiles.cc](http://estatictextiles.cc)  
[arcintexetn.wordpress.com](http://arcintexetn.wordpress.com)

## SELECTED PROJECTS

- 2015 **“Engaging with e-static textiles: An investigation into textile interaction design for shaping body-driven energy harvesting.”**  
Doctoral research within ArcInTex ETN, a Marie Curie funded EU project. [estatictextiles.cc](http://estatictextiles.cc) [arcintexetn.eu](http://arcintexetn.eu)
- 2013 **“Connected Textiles”**  
Researcher within a multi-disciplinary team, Funded by EIT/ICT Labs
- 2012 **“e-Crafts Collective”**  
Co-facilitator of this e-crafts initiative. [project overview](#)
- 2012 **“Textiles interaction Lab”**  
Coordinator of this e-Textiles focused educational project, Aalto ARTS & Aalto Media Factory, Finland. [project overview](#)
- 2011 **“Designing Fabric Interactions”**  
MA thesis in e-textiles, Media Lab Helsinki, Aalto University, Finland. [project overview](#)

## PUBLICATIONS

- Gowrishankar, R. (2020). **Engaging with e-static textiles: An investigation into textile interaction design for shaping body-driven energy harvesting in the interior** [Universität der Künste Berlin]. <https://doi.org/10.25624/kuenste-1357>
- Gowrishankar, R. (2019). **An investigation of e-Textile interaction design with static electricity**. In L. Hallnäs (Ed.), ArcintexETN (pp. 204–223). University of Borås/ Swedish School of Textiles.
- Gowrishankar, R. (2017). **Constructing triboelectric textiles with weaving**. Proceedings of the 2017 ACM International Symposium on Wearable Computers - ISWC '17. doi:10.1145/3123021.3123037
- Gowrishankar, R., Bredies, K., & Ylirisku, S. (2017). **A strategy for material-specific e-textile interaction design**. Smart Textiles, Human–Computer Interaction Series, 233–257. doi:10.1007/978-3-319-50124-6\_11.
- R. Gowrishankar and K. Bredies, (2014). **Investigating interaction design for e-textiles using case-transfer**. Proceedings of Ambience, Scientific Conference for Smart Textiles, 2014.
- Ramyah Gowrishankar and Jussi Mikkonen. (2013). **Pattern resistors: exploring resistive motifs as components for e-embroidery**. Proceedings of the 2013 International

## EXPERIENCE

August 2015 - July 2019

### Research fellow

ArInTex ETN

Marie Skłodowska-Curie funded EU project, Berlin University of the Arts, Germany

January 2013- June 2015

### Researcher

Embodied design research group, Dept. of Design, Aalto University, Finland

May - September 2012

### Research Assistant

Arki research Group, Media Lab Helsinki, Aalto University, Finland

March - December 2012

### Project Coordinator

Textiles Interaction Lab, Aalto University, Finland.

August - November 2010

### Intern

Design Research Lab, Berlin, Germany

September 2007- December 2007

### Project Team-lead

Nokia Design Oasis, Bangalore. User Research and Concept development for Nokia Live India Project.

June 2007 - August 2007

### Freelance Research Associate

Onward Research  
Bangalore, India

## AWARDS & SCHOLARSHIPS

**2012** SIGCHI Finland Masters Thesis Competition Winner

**2011** Media Lab Helsinki graduate grant awarded for MA thesis

Symposium on Wearable Computers (ISWC '13). ACM, New York, NY, USA, 137-138. DOI=10.1145/2493988.2494341

Gowrishankar, R., Bredies, K., & Chow, R. (2011). **The Music Sleeve: Fabric as an electronic interface medium.** In Nordic Design Research Conferences.

## WORKSHOPS & TUTORING

- 2019 **An introduction to working with static electricity and textiles @ IKEA Sweden**  
Research presentation and workshop at IKEA headquarters in Älmhult, Sweden
- 2017 **“Speculative design methods”**  
Teaching– one-week course at the Berlin University of the Arts, Germany
- 2015 **MA Thesis Supervisor**  
Thesis title: Future Native submitted to Dept. of Media, Aalto University, Finland.
- 2013 **“e-Embroidery Workshop”**  
Co-facilitator, e-crafts open studio and workshop, RIXC Media Space, Latvia. (Funded by State Culture Capital Foundation)
- 2012 **“e-Felting Workshop”**  
Workshop on making soft circuits with needle felting, World Design Capital Pavilion, Finland.
- 2012 **“Textile thinking for electronics”**  
e-Textile workshop, Aalto ARTS, Finland. (Funded by Aalto Media Factory)
- 2012 **“Introduction to Textile Lighting and soft circuits”**  
e-Textile workshop, Aalto ARTS, Finland. (Funded by Aalto Media Factory)
- 2012 **“e-Embroidery workshop”**  
Co-facilitator, Workshop on traditional embroidery and electronics, Pixelversity/Open design, crafts and manufacturing, Finland.

## SELECTED EXHIBITIONS

- 2021 **“Engaging with e-static textiles”**  
Designtransfer Showcase Exhibition, Vorspiel transmediale 2021, Berlin Germany
- 2014 **“Single Women’s e-Crowns”**  
(Artist in residency work) e-Crafts project, Ars Lieke 2014, Kouvola Art Museum, Finland
- 2013 **“Soft Radio”**  
e-Textile prototype, Smart Textiles Salon, Belgium
- 2012 **“Designing Fabric Interactions”**  
Interactive e-textile prototypes, Master of Arts Exhibition, Finland