

CV

LENA T H BERGLIN

Swedish Citizen

Born in Stockholm 1965, lives and works in Gothenburg

Married, three children.

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PhD Thesis “*Interactive Textile Structures – Creating Multifunctional Textiles based on Smart Materials*”, 2008

EDUCATION

- 2008 Doctor of Philosophy in Interaction Design, Department of Computing Science and Technology, Chalmers University of Technology
- 2003 Master in Interaction Design, Chalmers University of Technology, Gothenburg
- 1996 Bachelor in Fine Arts, Textile Degree, The Swedish School of Textiles, University of Technology

APPOINTMENTS

- 2016- Associate professor in Design and Material Practices, University of Borås
- 2013- Founder of Vague Research Studio in collaboration with Ph.D Kajsa G. Eriksson
- 2012- Senior Lecturer in Design, The Swedish School of Textiles, Borås
- 2009-2013 Post-Doc Position, The Swedish School of Textiles, Borås
- 2007-2009 Product Developer Technical Textiles, FOV Fabrics Borås (50%)
- 2003-2008 PhD Studies, Department of Computing Science and Technology, Chalmers University of Technology
- 2002-2008 Lecturer Design, The Swedish School of Textiles, University of Borås
- 1999-2001 Research assistant in the EU-project EASYTEX, Gothenburg University. Development of clothing and made-to-measure system for disabled people. In co-operation with Lectra system, Bordeaux
- 1992- Founder of the Design Consultant Studio “Nomad Design”. Outdoor clothing and textiles, Illustration, Technical Textiles.
- 1987-1990 Software Designer, Saab-Marine Electronics, Gothenburg
- 1986-1987 Software Designer Philips Electronics, Stockholm
- 1985-1986 Software Designer, Ericsson AB, Stockholm

ASSIGNMENTS

- 2009- Evaluator and Rapporteur, EU 7th framework, Horizon 2020
- 2009 Invited speaker, workshop leader and opponent. Design Talks and Degree Show. Umeå Institute of Design
- 2009- Supervisor of more than 50 Bachelor and Master thesis. The Swedish School of Textiles, Chalmers University of Technology and Umeå Institute of Design
- 2009- Reviewer Textile Research Journal

- 2009-2014 Supervisor PhD Student Li Guo, Tampere University of Technology. Thesis finalized May 2014 "Textile-based Sensors and Smart Clothing Systems for Respiratory Monitoring"
- 2010- Supervisor PhD Student Emmanuel Gunnarsson, Department of Physics, Chalmers University of Technology. Licentiate 2017. Topic: Textile based capacitor structures for pressure and sound application
- 2012- Supervisor PhD Student Behnaz Baghaei, University College of Borås. Finalized 2015. Topic: Biocomposites made by HEMP/PLA Hybrid yarns
- 2013- Supervisor PhD student Niina Hernandez, University College of Borås. Expected finalized 2018 (half time studies). Topic: Garment fit. Expected finalized 2018

ARTISTIC WORK AND EXHIBITIONS

- 2018 "The outdoors as a common site of experience and collaboration in both Art and Technology Education – A Workshop model" to be presented at the INSEA Congress 2018, Helsinki, Finland June 18-21
- 2017 "Vague Technology – a collective listening/sounding/making workshop example". Presented at the Supersession Critical Digital Making, NAEA 2017, New York.
- 2016 - *blankout*, imago mundi Touring exhibition China 2016-2018
- 2015 - *blankout*, imago mundi, Luciano Benetton Collection, www.imaomundiart.com
Exhibited at Venice Biennial 2015
- *Vague Research Studios 100 år*, performance at BAR 10, the BIG Performative BANG, arr. by Performance Cross Faculty Group, University of Gothenburg
- *Norm vs Fluid* at the iGDN exhibition Blue+Pink>>>Rethink at designtransfer, Universität der Kunste Berlin, UDK in Berlin. (April)
- *Norm vs. Fluid* at the iGDN exhibition Blue+Pink>>>Rethink at designxport, Hamburg. (March)
- *Norm vs Fluid* at designtransfer, Univeristät der Kunste Berlin, UdK in Berlin.
- *Norm vs Fluid*, Workshop and Exhibition, Blue+Pink>>>Rethink at Hochschule Hannover, University of Applied Sciences and Arts.
- 2014 - Exhibition *Runda Ringen* (The round ring) featuring the film *Barnen, Alkoholisterna och Konstnärerna. (The Children, the Alcoholics and the Artists)* at the art hall in the community and cultural house of Västra Frölunda Sweden. (September 2014)
- *Ocean Cocktail Mix*. Performance as part of the Exodus Performance Walk through Gothenburg. Arr. by Performance/Performativity Cross Faculty Group, University of Gothenburg.
<http://www.konst.gu.se/fakulteten/fakultetskollegium/performance-performativity/events/>
- 2013 - *Allt mitt är ditt – allt ditt är mitt* (All mine is yours, all yours is mine), exhibition at Motala Konsthall, group exhibition and performance
- *Vague Terrain – Vague Tissue*, exploring a "terrain vague" through interventions, a one year project in the area of Västra Frölunda
- 2012 *Hemslöjden*, group exhibition at Liljevalchs konsthall, Stockholm
- 2008 *Body and Space*, Group Exhibition at Riga Art Museum, Riga
- 2008-2010 *The invention of Women* group exhibition curated by Technical Museum Stockholm. Exhibited in Sweden, Belarus, Bosnia Herzegovina, Macedonia, Serbia
- 2007 Group Exhibition at Tech Textil Frankfurt
- 2006 - *Futuro Textile* group exhibition Lille, France
- *Materio*, group exhibition in Paris

- *Decotec*, group exhibition in Brussels
- *Brain port – material laboratory*, group exhibition Design Week, Eindhoven
- *Body and Space*, group exhibition Furniture Fair Milan
- *Body and Space*”, group exhibition Stockholm Furniture Fair Stockholm
- 2005 - Group exhibition at Tech Textil Frankfurt
- 2004-2006 - *Textile Evolutions*, group exhibition curated by The textile Museum, Borås.

FUNDING

- 2017 -Vinnväxt Chalmers Innovations Office together with Karin Högberg 300 000SEK
- Sparbanken Sjuhärads Stipendiefond together with Karin Högberg 300 000SEK
- Uppdragsforskning SCA Göteborg 500 000 SEK
- 2014 - Kulturbryggan, Genomförandestöd (with Kajsa G. Eriksson), 600 000 SEK
- Pronto, Gothenburg City (with Kajsa G. Eriksson), 10 000 SEK
- 2013 - Travel Grant Estrid Ericsson Stipendiefond, 10 000 SEK
- 2012 - Initial project support, Kulturbryggan (with Kajsa G. Eriksson), 100 000 SEK
- Travel grant Wilhelm och Martina Lundgrens fonder (with Kajsa G. Eriksson), 15 000 SEK
- 2010 - Research grant, Vinnova, 500 000 SEK
- Research grant, Vinnova VINN NU, 2010, 300 000 SEK
- Grant Curamus, 100 000 SEK
- 2009 - Research Grant, University College of Borås, 3 500 000 SEK
- Equipment grant, The Swedish Textile foundation, 400 000 SEK
- Research grant, KK-stiftelse, 1 800 000 SEK
- 2007 - Annual Female Grant, University College of Borås, 15 000 SEK
- 2005 - Teknikbrostiftelsen, 100 000 SEK

PUBLICATIONS

DESIGN and ARTSTIC WORK

- 2017 -Eriksson-G, K, Berglin, L. “vague Technology – a collective listening/sounding/making workshop example” Presented at NAEA 2017, National Art Education Association Conference, March 2-4 2017.
- 2016 -Eriksson-G, K., Berglin, L. “Vague Space as Potential: A Fluid Design for Urban Public Spaces”. Book Chapter “Dialectics of Space and Place across Virtual and Corporal Topographies. Interdisciplinary Press, Oxford, UK
- 2014 - Eriksson-G, K., Berglin, L. *Vag terräng* (Vague Terrain, published in the Swedish cultural magazine “Ord & Bild”, 1- 2:2014 <http://www.tidskriftenordobild.se/>
- 2013 - Berglin, L., Eriksson-G, K. *Vague Space as Potential: A Fluid Design for Urban Public Space*. E-publication at Interdisciplinary.net, Space and Place – A Critical Issue
- Eriksson-G, K., Berglin, L. *Barn och alkoholister – en vag plats I Frölunda*, at the blog This must be the place, www.thismustbegoteborg.wordpress.com.
- Eriksson-G, K., Berglin, L. *Vague Space – Vague Tissue*. Artwork presented in the fanzine Att Överleva by Att Segra.
- 2008 - Berglin, L. (2008). *Designing for extreme conditions*. In Proceedings of Cumulus Design Conference, Kyoto, Japan, 2008.

- Berglin, L., Zetterblom, M. *Textile microphone elements*. In: Proceedings of World Textile Conference, AUTEX 2008, Biella, Italy, June 2008
- 2005 - Berglin, L. (2005). *Spookies: Combining Smart materials and Information technology in an Interactive Toy*. In: Proceeding of Interaction Design and Children IDC 2005. Boulder, Colorado, USA.
- Berglin, L., (2005). *Wanted 2 – mobile phone interface integrated in a glove*. In: Proceedings of Ambience 2005, Tampere Finland.
- 2004 - Berglin, L. (2004). *Wanted – a textile mobile device*. In Proceedings of IMTEX Interactive Textiles, Lodz, Poland, November 2004.

TECHNOLOGY

- 2015 Gunnarsson, E., Karlsteen, M., Berglin, L., Stray, J. (2015). *A novel technique for direct measurement of contact resistance between interlaced conductive yarns in a plane weave*. Textile Research Journal, Volume 85, No. 5, March 2015, pp499-511
- 2013 - Guo, L., Berglin, L., Wiklund, U., Mattila, H. *Design of a Garment-Based Sensing System for Breathing Monitoring*. Textile Research Journal, Volume 83, No 5, March 2013, pp 499-509
- Bahgaei, B., Skrifvars, M., Berglin, L. (2013) *Manufacture and characterization of thermoplastic composites made from PLA/hemp co-wrapped hybrid yarn preregs*. Composites: Part A 50 (2013) 93-101.
- McGreevy, P.D., Sundin, M., Karlsteen, M., Berglin, L., Ternström, J., Richardsson, H., McLean, A.N. *Problems at the human-horse interface and prospects for smart textile solutions*. Journal of Veterinary Behavior: Clinical Applications and Research, Volume 9, Issue 1, pages 34-42, January 2014
- 2012 - Li Guo, Azadeh Soroudi, Lena Berglin, Heikki Mattila, Mikael Skrifvars, Hakan Torstensson. *Fibre-based single-wire keyboard – The Integration of a Flexible - - Textile sensor into E-textiles*. Autex Research Journal, No 4 December 11 January 12
- Guo, L., Berglin, L., Wiklund, U., Mattila, H. "Improvement of electro-mechanical properties of strain sensors made of elastic-conductive hybrid yarns". Textile Research Journal, Volume 82, Issue 19, November 2012, pp 1937-1947
- Persson, M., Cho, S-W., Berglin, L., Tukkanen, J., Skrifvars, M. (2012). *Poly (Lactid/Acid)/Hydroxiopatite Composite Fibres for 3D Osteoconductive Woven Scaffolds*. ECCM 15th European Conference on Composite Materials. Venice, Italy June 24-28, 2012.
- 2011 - Guo, L., Berglin, L., Mehrjedi A. K., Skrifvars, M., Mattila, H. (2010). *Disappearing Sensor – Textile based Sensor for Monitoring Breathing* IEEE- International Conference on intelligent Control and Information Technology, Tianjin, China, March 25-27 2011
- 2010 - Guo, L., Berglin, L., Mattila, H. (2010). *Textile Strain Sensors Characterization- Sensitivity, Linearity, Stability and Hysteresis*. Nordic textile Journal No 2, 2010 pp51- pp63
- Guo, L., Berglin, L., Mattila, H. (2010). *Knitted Textile Strain Sensor for Respiration measurement*. World textile Conference, Autex 2010
- Guo, L., Berglin, L., Mattila, H. (2010). *Conductive Coated Force Sensor in cargo Transportation Security System*. World textile Conference, Autex 2010
- 2009 - Guo, Li., Mattila, H., Berglin, L. (2009) *Testing and evaluation of textile based stretch sensor*. World textile Conference, Autex 2009

- 2008 - Karlsson, S. J., Wiklund, U., Berglin, L., Östlund, N., Karlsson, M., Bäcklund, T., Lindecrantz, K., Sandsjö, L. (2008). *Wireless Monitoring of Heart Rate and Electromyographic Signals using a Smart T-shirt*. In Proceedings of pHealth 2008. International Workshop on Wearable Micro and Nanosystems for Personalised Health, Valencia, Spain, 2008.
- 2007 - Wiklund, U., Karlsson, M., Östlund, N., Berglin, L., Lindecrantz, K., Karlsson, S., Sandsjö, L. Adaptive spatio-temporal filtering of disturbed ECGs: a multi-channel approach to heartbeat detection in smart clothing. (2007). *Medical and Biological Engineering and Computing*. Volume 45, Number 6, 2007- Springer Link.
- Rattfält, L., Lindén, M., Hult, P., Berglin, L., Ask, P. Electrical characteristics of conductive yarns and textile electrodes for medical applications. *Medical and Biological Engineering and Computing*, 2007, (45), 12, 1251-1257.
- 2006 - Sandsjö, L., Berglin, L., Wiklund, U., Lindecrantz, K., Karlsson, J.S. (2006) *Self-administered long-term ambulatory monitoring of electrophysiological signals based on smart textiles*. IAEA 2006, Maastricht, Netherlands 9-15/7 2006.
- Rattfält, L., Linden, M., Hult, P., Berglin, L., Ask, P. (2006). *A Canonical Correlation Approach to Heart Beat Detection in Textile ECG Measurements*. IEEE Advances in Medical Signal and Information processing, MEDSIP 2006, July 17-19 2006. Glasgow UK.
- Östlund N., Karlsson, M., Karlsson, S., Berglin, L., Lindecrantz, K., Sandsjö, L., Wiklund, U. Multichannel for heartbeat detection in noisy ECG recordings. (2006). World congress on Medical and Biomedical Engineering. August 27 – September 1, 2006, Seoul, Korea.
- 2005 - Berglin, L. (2005). Design of a flexible textile system for wireless communication. In: Proceedings of Autex Conference 2005, Portoroz, Slovenia.