



HOLLY MCQUILLAN

Design researcher and educator
University of Borås, Sweden

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Referees:

Dr Timo Rissanen
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Dr Kate Goldsworthy
Reader in Circular Textile Design
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Dr Clemens Thornquist
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Swedish School of Textiles
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SUMMARY

Holly McQuillan's work in the field of zero waste design, articulates sustainable systems and practice. She focuses on issues such as transition design, the impact of technology and how these can challenge established design, production and use practices. Holly co-authored *Zero Waste Fashion Design* with Timo Rissanen and together they are currently writing the second edition. She also co-curated *Yield: Making fashion without making waste*, the first contemporary exhibition focussing on zero waste fashion, and developed the award winning open-source zero waste resource *Make/Use*. She has exhibited widely presenting various examples of zero waste garment design and engaging with industry and educational audiences/conferences internationally to explore broader interpretations of her design practice. She has a strong collaborative practice with the institutions she works in; mentoring and leading projects involving textiles, spatial, industrial, film making and graphic design practice. Holly's activities as a facilitator and creator of sustainable fashion practice has led to the supervision of honours and postgraduate research supervision and examination. Her work always seeks to broaden the impact of holistic zero waste and sustainable fashion design through research, publication, workshops and lectures. Currently she is a PhD candidate at University of Borås exploring zero waste systems thinking through the innovative design and production of textile-forms.

QUALIFICATIONS:

2017 - Present	PhD (due to complete end of 2020)
2019	Licentiate, University of Borås, Sweden
2005	Master of Design. Massey University, New Zealand.
1998-2003	Bachelor of Design (1st class honours) Massey University, New Zealand

ACADEMIC ROLES

2017 - Present:	PhD researcher and lecturer, University of Borås, SE.
2014 - 2016:	Senior Lecturer, Massey University, College Of Creative Arts, NZ.
2006 - 2013:	Lecturer (Step 1 - 9), Massey University, College Of Creative Arts, NZ.
2005 - 2006:	Tutor, Massey University, College Of Creative Arts, NZ.

AWARDS AND GRANTS

2020	EU COSME, WORTH 3rd call winner (H H Collaboration)
2020	Chalmers Innovationkontoret Research Based Verification Grant. Sweden (for patent relating to Critical Textile Topologies)
2017	Graduate womens Scholarship (for PhD Studies)
2017	Best Design Awards finalist (for Zero + One)
2016	New Zealand Open Source: Use in the Arts Award (for MakeUse)
2016	Best Design Bronze Award winner (for MakeUse)
2014	RATA Teaching award
2013	Massey University Women's Award
2012	Nominee for the H+F Fashion Award
2011	RATA Early Career Research Award,
2011	International Visitors Research Fund Award

PUBLICATIONS

- McQuillan, H. et al. (in review 2020) Smart Textile-Forms: Designing form through the intersections of fibre, yarn and textile. *Design Journal*. Taylor & Francis.
- McQuillan, H. (in review 2020). Weaving Futures: Adopting alternative postures to develop new methods for the construction of textile-forms in the context of micro-manufacturing. *Making Futures Journal 2020*.
- McQuillan, H. (2020) 'Digital 3D design as a tool for augmenting zero-waste fashion design practice', *International Journal of Fashion Design, Technology and Education*. Taylor & Francis.
- McQuillan, H. and Rissanen, T. (2020) 'Mind-Body-Garment-Cloth', in Townsend, K. and Solomon, R. (eds) *Crafting Anatomies*. Bloomsbury
- McQuillan, H. (2019) 'Zero Waste Design Thinking'. Licentiate diss. University of Borås.
- McQuillan, H. (2019) 'Waste, so what? A reflection on waste and the role of Designers in a Circular Economy', in *Who cares? 8th biannual Nordic Design Research Society (Nordes) conference*,
- McQuillan, H. (2019) 'Hybrid zero waste design practices . Zero waste pattern cutting for composite garment weaving and its implications'. *Design Journal*. Taylor & Francis.
- McQuillan, H., Archer-Martin, J. et al. (2018). Make/Use: a system for open source, user-modifiable, zero waste fashion practice. *Fashion Practice Journal*. Taylor & Francis.
- McQuillan H. in Antonelli, P. (2017) *Items: Is Fashion Modern Catalogue*. Museum of Modern Art.
- Rissanen, T. & McQuillan, H. (2015). *Zero Waste Fashion Design*. Bloomsbury Publishing, UK.
- McQuillan, H., Archer-Martin, J., and Bailey, J. (2015). *Make/Use Exhibition Catalogue*. Objectspace Gallery, New Zealand.
- McQuillan, H. (2015). MakeUse V2: digital textile technology for user modifiable zero waste fashion. In F. Joseph, M. Smith, M. Smitheram, & J. Hamon (Eds.), *Shapeshifting*. AUT: Textile and Design Lab and Colab at Auckland University of Technology.
- McQuillan, H., Rissanen, T., & Roberts, J. (2013). The Cutting Circle: How Making Challenges Design. *Research Journal of Textile and Apparel*. Emerald
- McQuillan, H chapter in Gwilt, A., & Rissanen, T. (Eds) (2011). *Shaping Sustainable Fashion: Changing the Way We Make and Use Clothes*. Earthscan Publications Ltd.

PROJECT LEADERSHIP OR ASSISTANCE

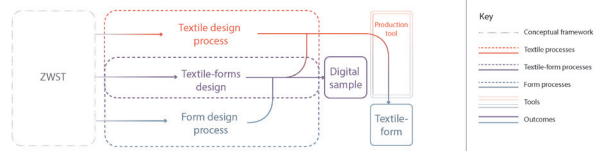
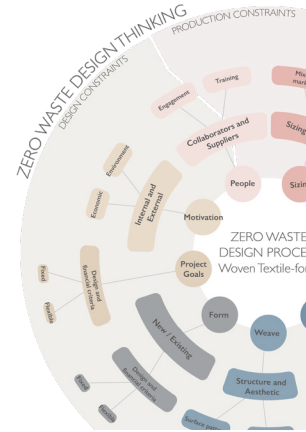
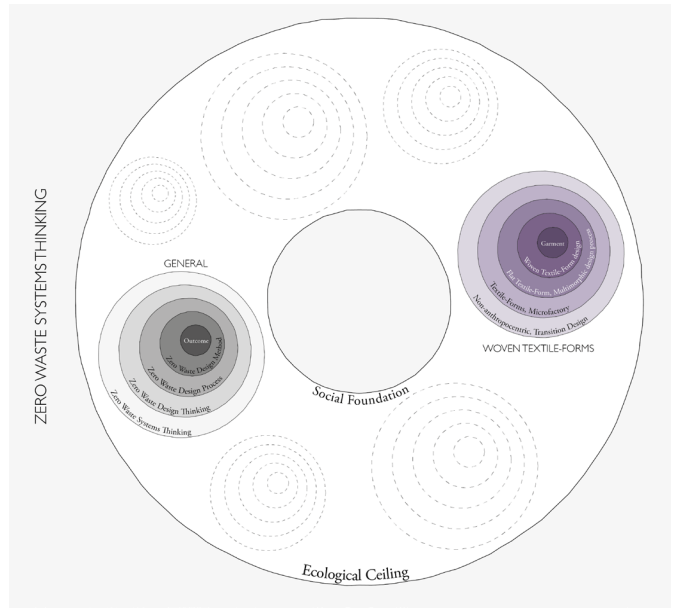
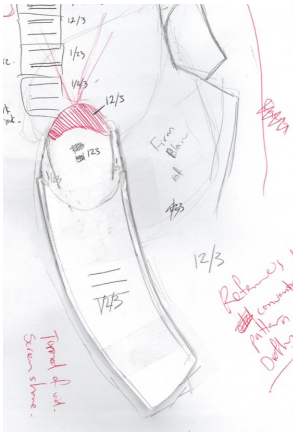
2019 - present	Critical Textile Topologies
2019 - present	H H: Zero Waste Whole Garment weaving collaboration with Studio Hilo
2018 & 2020	Regional Judge for Redress Fashion Award
2016 - present	H/E Chair. Zero waste flat pack chair collaboration with Emma Fox.
2013 - 2017	Make/Use. Lead researcher
2012 - 2014	Local Wisdom: WGTN. Lead Investigator,
2012 - 2014	Space Between, Research and Design, co-investigator,
2012 - 2018	Zero Waste/Sportswear Consultancy, Research and Design
2013	“Dressing the Chair” contract for Formway Design Studio
2012	Fab8, Wellington, NZ, Project member
2011	YIELD: Making Fashion Without Making Waste. Co curator,
2011	The Cutting Circle: Risk and Fashion Design. Lead Investigator,

EXHIBITIONS

2020	Costumes for Planet City, Melbourne Triennial. Forthcoming
2016	Make/Use garments, film, website and textiles in Te Papa permanent collection
2015	Make/Use Exhibition at Objectspace, and Fashion = Activism at BF+DA New York
2012	Evergreen. Object Gallery, Sydney Australia.
2012	Sustainable Fashion: Exploring the Paradox, Kent State University Museum
2011	YIELD: Making fashion without making waste. The Dowse Art Museum, Wellington and the Textile Art Centre, Brooklyn, New York.
2011	ZERØ Waste: Fashion Re-Patterned. Averill and Bernard Leviton: A+D Gallery, Chicago
2010	Fashion Art Biennale, Seoul
2010	Hot House Season 3, The New Dowse, Wellington,

INVITED PRESENTATIONS

2019	Zero waste fashion master class, Curtin University, Perth
2018	Zero waste fashion master class, Glasgow School of Art, Scotland and Queensland University of Technology
2017	Zero waste fashion master class, Kolding University, Denmark.
2016	Make/Use Masterclass and Lecture, De Young Museum, Parsons, Swedish School of Textiles, Boras.
2015	Floor Talks: Objectspace Gallery, Auckland, NZ for MakeUse.
2013 & 2016	TED MA Masterclass, University of the Arts London.
2012	Zero waste fashion Master-class, Aalto University.
2012	Re:Design, Textile & Fashion Hub, Melbourne, Australia.
2011	Floor Talks: Dowse Art Museum and Textile Arts Center for YIELD.
2011	Sustainable Fashion: Exploring the Paradox talk. Kent State University.
2011	Creative Economies and Sustainability, Germany.



Reversed crafting and digital flattening of form for weaving.

ZERO WASTE SYSTEMS THINKING PhD: 2017 - present

The aim of this research is to adopt a transition design “posture” of holistic zero waste system design to develop processes for textile-form manufacturing. It seeks to uncover approaches and methods which are viable in the context of Manzini’s Cosmopolitan Localism – aiming to pair digital distribution with flexible local manufacture and micro-factories – utilising technology in alternative ways and propose new methods for whole garment weaving. This research questions how technology can further shape form-making – what if we treat the jacquard loom as a tool to enable a kind of 3D printing with yarn? This multimorphic and analogue-digital craft practice develops new understandings of conventional textile design and manufacturing elements, such as jacquard looms and weave structures, for use in micro-manufacturing contexts. This holistic and disruptive reshaping of form-making has the potential to future-make the industry, our cities and our social fabric.

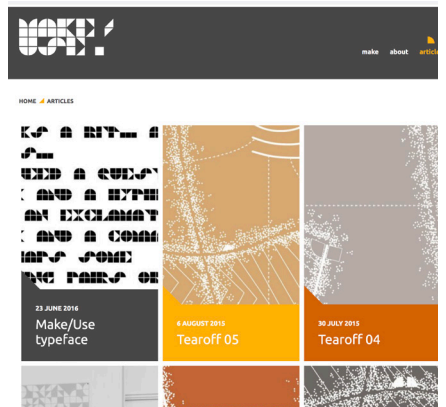




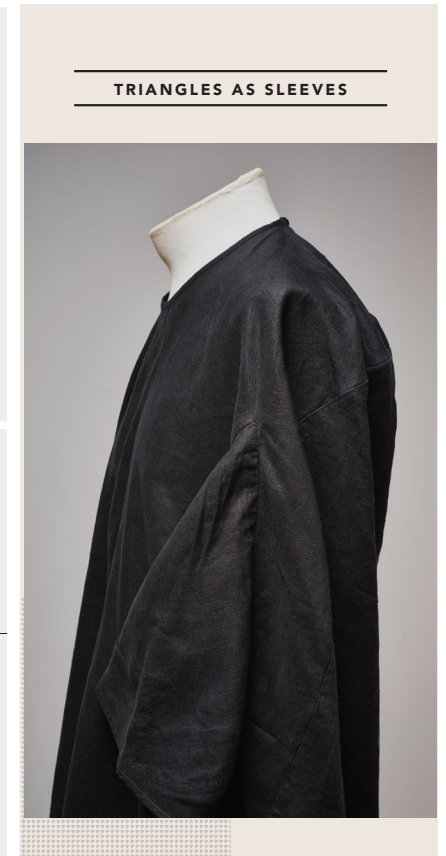
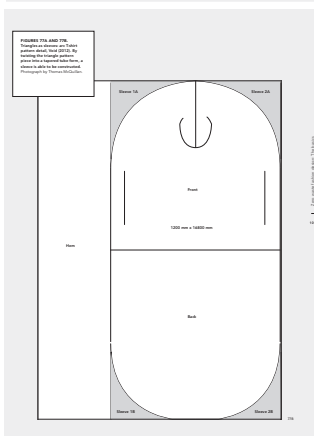
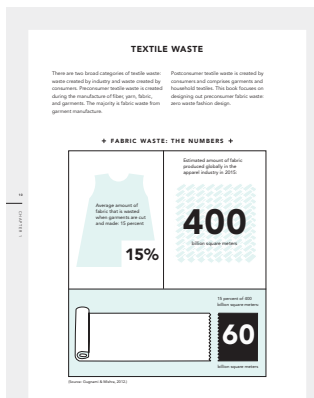
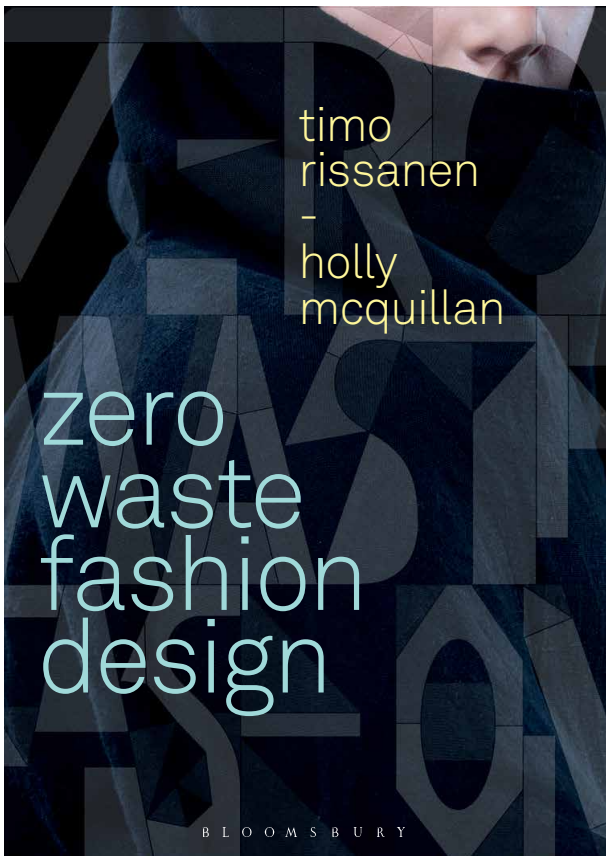
PLANET CITY COMMISSION
Melbourne Triennial 2020



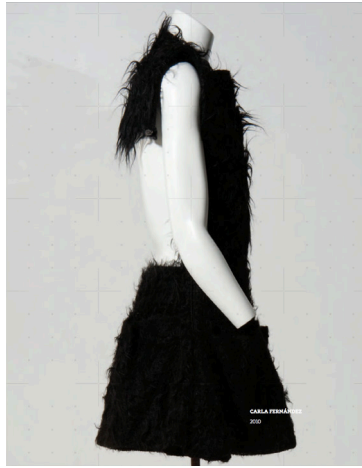
H||H Collaboration with Studio HILO
EU COSME WORTH 3rd call winner 2020



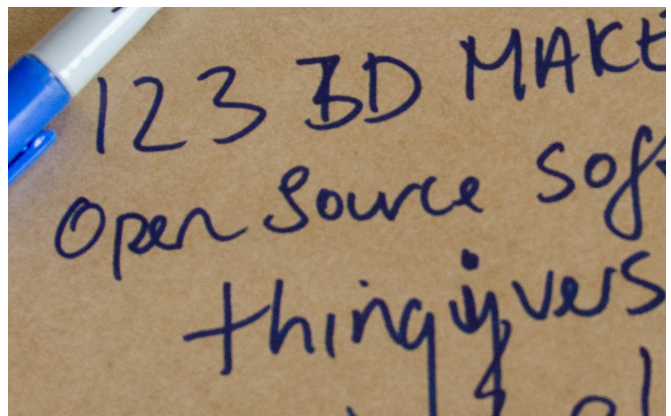
MAKEUSE 2013-2016
Exhibition @ ObjectSpace, Auckland 2015



ZERO WASTE FASHION DESIGN
Published by Bloomsbury 2015
Second edition due 2021



YIELD: Making fashion without making waste exhibition and catalogue
 The New Dowse, Wellington and Textile Arts Center, NYC



Local Wisdom: WGTN 2013
 Project associated with Craft Practice by Dr Kate Fletcher