

CONSULTANCY/PROFESSIONAL PRACTICE

Current and emerging practice streams are in Design-led approaches in Society, alongside ongoing research and design activity in Space Architecture/Design for Extreme Environments. The former is in conjunction with projects based in India and Bangladesh. The latter is in conjunction with colleagues in Austria, India and Italy.

Academic Qualifications

2003	MEdes (Industrial Design) University of Calgary, Canada
1993	MSc Kinesiology (Environmental Ergonomics) Simon Fraser University, B.C. Canada
1989	BSc (Hons) Kinesiology, Simon Fraser University, B.C. Canada

Career Profile

2007-present	Lecturer, 3D Design/Product Design, Gray's School of Art, RGU Researcher, Established Member of IDEAS Research Institute, RGU
2002-present	Principal Designer/Researcher, Fibre Design Inc.
2005-2012	Co-Director/Co-Founder, Design for Development Society
2005-2009	Knowledge and Advocacy Manager/Scientific Coordinator, Impact Project, Department of Public Health, University of Aberdeen, UK
2004-2005	Clinic Director, Orion Health Rehabilitation Clinic, Calgary, Canada
1991-2002	Vocational Rehabilitation Consultant, WorkSafeBC, Vancouver, Canada

External Roles

- » External Examiner, Product Design/Social Digital Programme, Duncan of Jordanstone College of Art and Design/University of Dundee (2013-2017)
- » Critic, Destination Moon – Future Living and Working Space, VUT Vienna
- » Executive Committee Member, IDEAS Research Institute

Professional Partnerships & Networks

- » Scottish Academy of Fashion
- » Space Architecture Network

PhD Supervision & Examination:

- » Principal Supervisor, H. Bugali, Title: '*Design for Social Intervention*' (start date Oct 2013) IDEAS Research Studentship
- » Supervisor, M. N. Gulari, Title: '*Evaluating the Effectiveness of Design Led Innovation Support for SMEs*' (start date Oct 2010) IDEAS Research Studentship
- » External Examiner, R. Peldszus (April 2012) "Designing for Emotional Survival", Kingston University, London.

Undergraduate Teaching

As part-time Lecturer in 3D/Product Design my teaching practice covers Stages 3 and 4. This role involves delivery of all Product Design course materials alongside liaison with industry and clients (live-design briefs and Industry Placements). The strengths in my own design practice lie in research methodology (mixed methods with a thorough understanding of quantitative and qualitative methods in the design process).

AA3301 – Design Methods & Implementation

AA4305 – Self-Directed Honours Design Project

*Design Specks (2012) – Cross Art School Projects: GSA, ECA, DJCAD, Gray's School of Art

*Design Specks Chemistry (2013) – Cross Design Disciplines Project:

(*Special Multi-School or Multi-Disciplinary Design Projects)

RESEARCH

***Current research projects:** Collective Futures, Second Skin, & CAAS (City as a Spaceship).

* Collective Futures (£80,000 – Creative Scotland). Glasgow School of Art, University of the West of Scotland, Robert Gordon University, 2013-2014. www.collectivefutures.net

* Second Skin (£30,000 – AHRC). Herriot Watt, Ulster University, University of Chicago – Urbana, Robert Gordon University, 2012-2015.

* CAAS (City as a Spaceship) Co-Founded with Dr. S. Mohanty, Earth2Orbit Inc. (INDIA) and Dr. B.Imhof, Liquifer Systems Group – (AUSTRIA) 2013+.

Designing Subjective Norms (University of Aberdeen). University of Aberdeen Department of Primary Care and Grays' School of Art/RGU.

Future Textile Visions: Smart Textiles for Health and Wellness (Scottish Executive / Scottish Enterprise). Robert Gordon University, Herriot-Watt University, Scottish Academy of Fashion, 2012. <http://scottishacademyoffashion.com/projects/Future-Textile-Visions>

Designing Transformations: Schools of Excellence: (£50,000 – Skills Development Scotland) Aberdeen City Council (Torry Academy), NASA, Scottish Space School, Robert Gordon University.

Disseminating Impact Research findings in Burkina Faso through Community and Civil Society networks (£30,000 Wellcome Trust International Engagement Awards) – GREFSad, Burkina Faso and Impact/University of Aberdeen. 2008-2010.

www.impact-international.org

PUBLIC OUTPUTS of interest:

Journal/Book Chapters/Book

Arvind DK., Duplock, P., **Fairburn S.**, Oliver, R., Stricevic, Verhoeven, A., *Design Specks: Connecting People with Speckled Computing*, 2013, Edited by D.K. Arvind and P. Duplock, Centre for Speckled Computing, University of Edinburgh, Edinburgh, UK.

Fairburn, S.M. 2011 Designing Transformations: Schools of Excellence, *Acta Astronautica* 69 p.1132–1142i.

Fairburn, S. 2009 Retrofitting the International Space Station. In: A. S. HOWE and B. SHERWOOD, Eds. *Out of this world: the new field of space architecture*. Reston, Virginia: American Institute of Aeronautics and Astronautics. Pp. 57-68

Mohanty, S.; **Fairburn, S.**; Imhof, B.; Ransom, S.; Vogler, A. 2009, Human-Space-Mission Simulators. In: A.S. HOWE and B. SHERWOOD, Eds. *Out of This World: The New Field of Space Architecture*, Library of Flight Series. Reston, Virginia: American Institute of Aeronautics and Astronautics. p. 333-354

Imhof, B., Mohanty, S., Stiefel, H., Adams, Cl, Hauplik, S. Edited by **S. Fairburn**, 2004. *Transcripts of an Architectural Journey – Musings Toward a New Generation of Space Architecture*. Published by Kunst.

Conference Proceedings:

Craddock, C. and **Fairburn, S.**, Design for Social Innovation and Inclusion. “Crafting the Future” - European Academy of Design, 17-19 April 2013.

Gulari, M.N. and **S. Fairburn**. Is Generalist Designer an Oxymoron? The value of Specialisation in the Design Field. E&PDE, Dublin, Ireland September 2013.

Gulari, M.N., **Fairburn S.**, and J. Malins, Assessing the Effectiveness of Design-led Innovation Support for SMEs, “Crafting the Future”, European Academy of Design, April 2013.

Fairburn, S. “**Experience Transfer: Tracking design onto everyday life**” (2012) Invited Speaker to Royal Pharmaceutical Society – Enhancing Patient Care Through Innovation, 9-10 September 2012, Birmingham, UK

Pengelly, J., **Fairburn, S.**, Newlands, B. (2012) Adopting ‘FabLab’ Model to Embed Creative Entrepreneurship Across Design Programmes International E&EPD Conference (Engineering and Product Design Education) 6-7 September 2012, Antwerp, Belgium

Fairburn, S. and P. Harris (2012). “Scoping and Cultivating the Creative Future for Designer-Makers in NE Scotland”, Presented at 10th Rural Enterprise Conference, Aberdeen 30 May-1 June 2012.

Fairburn, S. (2011) Designing Transformations: Curriculum Innovation through the Learning Community. Paper accepted for presentation at European Academy of Design, Porto Portugal May 3-7 2011.

Mohanty, S. and **Fairburn, S** (2003) “Skins” by Design – Humans to Habitats. Paper No. 01ICES-173 Presented at 32nd International Conference on Environmental Systems (ICES), Vancouver B.C. Canada, 7-10 July 2003. Published by Society for Automotive Engineers (SAE).