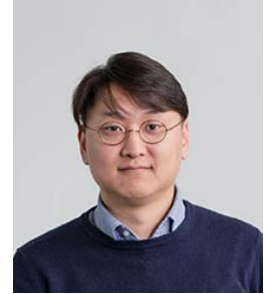


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Research Interest

I'm a designer, researcher and an educator. I have experience of working in various countries and diverse field of design professions. My previous design practice involved in a number of industry projects and making design-led artefacts in research contexts. My PhD considered the role of design and measures in inducing sustainable behaviour. My research interest originated from a belief that sustainability is a problem of behaviour, not a product or resource. My research interests therefore include:

- **Sustainable Product Design**
- **Design for Sustainable Behaviour (obesity and energy consumption)**
- **Human-Powered Products**

Education & Qualification

2010. 01 ~ 2014. 10.	PhD in Product Design , School of Architecture Design & Built Environment Nottingham Trent University, UK Thesis Title: "Switching the human-power back on: Domesticating human-power to practice energy saving behaviour"
2015. 10. ~ 2017. 09.	Postgraduate Certificate of Academic Practice , Fellow of Higher Education Academy
2010. 07. ~ 2012. 07.	Postgraduate Certificate , Research Practice
2004. 09. ~ 2009. 07.	BA (Hons) Product Design , First Class Honours, Nottingham Trent University
1998. 09. ~ 1999. 05.	Interior Architecture & Design , School of Architecture, University of Nevada, Las Vegas, USA
1995. 09. ~ 1998. 05.	Santa Monica High School , Santa Monica, California, USA

Relevant Employment

2015. 09 ~ Current	Lecturer/Senior Lecturer , Department of Product Design School of Architecture Design & Built Environment Nottingham Trent University, UK <ul style="list-style-type: none">- Managing curriculum of 3 Core contextual studies modules- Supervising 3 PhD students- Critical Theory UG (Module Lead), Research Methods PG (Module Lead), and
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contributes in a number of other modules across the Product Design and Furniture Design UG/PG programmes

- Course coordinator for First City University College (Malaysia), University Verifier for Pearl Academy (India)

2014. 11 ~ 2015. 06.

Lecturer, Industrial/Product Design, Loughborough Design School
Loughborough University, UK

- Contribution of teaching in following modules:
Design Practice, Sustainable Design, Design and Manufacturing Technology, Dissertation
- Contribute towards achieving excellence in design research and publish outcomes of research
- Assist towards internationalisation activities

2010. 12 ~ 2014. 10.

Hourly Paid Lecturer, Product Design, School of Architecture Design & Built Environment
Nottingham Trent University, UK

Tutorial, seminar, project delivery, assessment on following modules (avg. 100hrs per yr):

- Design Projects 1&2 (UG)
- Design Studies 1&2 (UG)

2012. 01. ~ 2014. 10

Business Advisor (PT), Future Factory, Nottingham Trent University, UK

- work under the direction of the Future Factory Project Manager in delivering high quality expertise and advice to small and medium sized companies in the East Midlands on how to achieve a more sustainable business future.

2009. 12. ~ 2012. 12

Research Assistant, School of Science and Technology, Nottingham Trent University, UK
Sustainable Lighting and Self Powered system, UK

- Lead and manage commercial aimed project supported by East Midland Development Agency (UK) in collaboration with Nottingham Trent University. Project received 16,000 GBP from European Regional Development Fund as Innovation Fellowship programme.

2008. 01. ~ 2008. 10.

Senior Designer, OUT-2 Design Ltd. (www.OUT-2.com), Ho Chi Minh, Vietnam

- Worked directly with director to ensure that various aspects of design work meet
- Responsible for accomplishing and maintaining the quality of design throughout all phases of the project
- Mentor and managing a group of Designer(s), or Junior Designer(s) on smaller-scale projects in their execution (Graphic team lead)
- Managing all product design materials such as directional sign, graphics, bespoke furniture, and colour conceptualisation.
- Working directly with the supplier, responsible for follow-up on installation of all product design related projects, ensuring the quality of pre and final productions.

2006. 07. ~ 2008. 1.

Full-time Intern Designer, Packaging Innovation,
Wm. Wrigley Jr. Co. (www.wrigley.com), Chicago, USA

- In charge of creating 3D visualizations, concept boards, and product renderings for multiple design projects.

- Working in a multi-disciplinary team environment, provide preliminary concept designs and prototypes for consumer screening.
- Analyse and optimise design concepts and evaluation of on-going design projects.
- Delivering technical drawing and 3D Cad of proposed package design to engineering department for further technical evaluation.
- Working directly with the supplier for configuring detail specifications and pre-production drawings.

2005. 10. ~ 2006. 5. **Part-Time Technical Drawing & 3D modeling**
Pioneer Design Limited (www.pioneerdesignltd.co.uk), UK

1999. 06. ~ 2000. 12. **Full time Senior web designer and html programmer at Netspace**
(www.netspace.co.kr), Korea

Grant Activity

2009. 12 ~ 2012. 12. Innovation Fellowship programme supported by East Midland Development Agency UK: **Sustainable Lighting and Self Powered system**, £16,000, European Regional Development Fund

Award

2009 **School Prize for Best Project on the BA (Hon) Product Design Programme**
Department of Product Design, School of Architecture Design and Build Environment, Nottingham Trent University.

Publications

Shin, H. D., Al-Habaibeh, A. & Casamayor, J. L. 2017. Using human-powered products for sustainability and health: benefits, challenges, and opportunities. *Journal of Cleaner Production*. 168 (Supplement C): pp. 575-583

Al-Habaibeh, A. **Shin, H. D.**, 2017. Cycling to watch TV... and other clever ways to beat obesity from the comfort of your own home, Conversation UK. Available at: <https://theconversation.com/cycling-to-watch-tv-and-other-clever-ways-to-beat-obesity-from-the-comfort-of-your-own-home-84537>

Shin, H. D. and Bhamra, T., 2016. Design for sustainable behaviour: a case study of using human-power as an everyday energy source. *Journal of Design Research*, 14(3), pp.280-299. [3* paper]

Shin, H. D. 2015. Five ways we can harness the original renewable energy source - human power, Conversation UK. Available at: <https://theconversation.com/five-ways-we-can-harness-the-original-renewable-energy-source-human-power-51532>

Shin, H. J. and Johnson, P. 2013. Defining and designing 'Interaction' in Human-powered products. In: *3rd International Conference on Interaction Design*. Xi'an, China, December 4-6. Northwestern Polytechnical University, pp.5-12.

Shin, H. J., Johnson, P., Harmer, L., 2011. Can Human powered products reduce energy consumption?, paper presented for Doctoral Colloquium, The 4th IASDR World Conference on Design Research, Delft, Netherland

Johnson, P., **Shin, H.J.**, & Harmer, L. 2011. Defining and describing human-powered products: exploring diverse applications of future technology. *Key Engineering Materials*, 486, 187-192.

Shin, H.J., 2010 Interactive Human power products: a literature review, Paper presented at Sustainable Design Symposium, 18-27 September, Harbin Institution of Technology, China (supported by Research Council UK)

Reviewer of

International Conference on Engineering and Product Design Education Conference

International Conference for Design Education Researchers: Learn X Design

International Journal of Product Development

Journal of Design Research

Patent

Shin, D. H., Fluegel, H. L., & Peterson, R. J. (2014). Confectionery package. In: US Patent 8,640,874.

Shin, D. H., & Stojek, K. L. (2009). Product dispenser. In: US Patent D596,032.

Fluegel, H. L., & **Shin, D. H.** (2009). Blister card. In: US Patent D588,471.

Bougoulas, J. A., Hernandez, K., Peterson, R. J., **Shin, H. D.**, Rowe, C. D., Gribas, C. A. (2008). Refillable package for consumable products. In: US Patent App. 12/596,939.

Membership

Member of Design Research Society

Member of Korean society of Design Science

Member and School representative for Validation Service Sub-Committee (Nottingham Trent University)

Member of Innovative and Sustainable Built Environment Technologies (Nottingham Trent University)

Member of Sustainable Consumption Research Group (Nottingham Trent University)