

CHANG HEE LEE PhD

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EDUCATION

Royal College of Art (RCA), London, UK

PhD 2014 - 2018

Innovation Design Engineering, School of Design

Supervisors & Advisor: Dr. Dan Lockton, Dr. John Stevens and Professor Ashley Hall

Doctoral Thesis: Synaesthesia Materialisation: Approaches to Applying Synaesthesia as a Provocation for Generating Creative Ideas within the Context of Design

Goldsmiths, University of London, UK

MA 2012 - 2013

Design Critical Practice, School of Design

Central Academy of Fine Arts (中央美术学院), Beijing, China

BA 2005 - 2009

Industrial Design, School of Design

Beijing Huijia Private School, Beijing, China

High School 2003 - 2005

One year early graduation / Grade skipping

ACADEMIC EXPERIENCE

Royal College of Art (RCA), London, UK *October 2018 - Present*

Innovation Design Engineering (IDE)

Tutor (equivalent to US Assistant Professor)

- Lead and support second year IDE programme.
- Organise lectures, weekly tutorial spreadsheets and events.
- Direct and curate exhibition spaces for the programme.
- Assess students' projects and thesis.
- Develop departmental research and continue personal research in synaesthesia, HCI, creativity and experience design to discover new meanings in interaction and communications.
- Support design and technical aspects for students' projects.
- Run and coach project collaboration between RCA and CERN in Geneva.

Royal College of Art (RCA), London, UK *August 2016 - March 2017*

Innovation Design Engineering (IDE)

Visiting Lecturer (equivalent to US Adjunct Faculty)

- Give and organise weekly tutorials to postgraduate students.
- Support design and technical aspects for students' projects.
- Create films for project brief.
- Set up exhibition space.
- Record student activities.

GUEST TEACHING

Carnegie Mellon University, Pittsburgh, USA *April 2017*
Guest Instructor, School of Design

—Syllabus: Spring 2017: Environments Studio IV: The Invisible

(Workshop: creating robots using synaesthesia as provocation)

TALKS

Harvard University, Cambridge, Massachusetts, USA *October 2017*
Guest speaker for the Twelfth National American Synaesthesia Association Conference.

Institute of Philosophy, University of London, UK *May 2017*
Symposium contributor for the Open Senses Festival.

Carnegie Mellon University, Pittsburgh, USA *April 2017*
Synaesthesia as inspiration

Royal College of Art, London, UK *December 2016*
Synaesthesia as provocation

University College London (UCL), London, UK *September 2016*
Guest speaker for workstations, Science has No Borders

University College London (UCL), London, UK *August 2016*
Guest speaker for a film night – Film: Like Water for Chocolate

Royal College of Art & University of Oxford, UK *July 2016*
Symposium director and presenter for the joint symposium between the Royal College of Art and the University of Oxford - Crossing Over: The Art & Science of Multisensory Perception.

Future Leader Conference, Seoul, South Korea *October 2015*
Conference keynote speaker

Camden Arts Centre & Kingsgate Workshop Trusts, London, UK *June- July 2015*
Symposium keynote speaker for the The Lab Project: Multisensory Perception and Synaesthesia

PUBLICATIONS (Conference & Journal)

Lee, C.H., Lockton, D, Stevens, J, Wang, S.J, and Ahn, S.H. (2019). Synaesthetic-Translation Tool: Synaesthesia as an Interactive Material for Ideation, **ACM CHI'19**, Glasgow. DOI: <https://doi.org/10.1145/3290607.3312849>

Balint, T and Lee, C.H., (2019). Pillow Talk—Curating Delight for Astronauts, **Acta Astronautica**, Volume 159, Pages 228-237. DOI: <https://doi.org/10.1016/j.actaastro.2019.03.048>

Lee, C.H., Lockton, D and Kim, J.E, (2018). Exploring Cognitive Playfulness Through Zero Interactions, **ACM SIGCHI DIS'18**, Hong Kong. DOI: <https://doi.org/10.1145/3197391.3205413> **** (Best Provocation Award—top 2%)****

Lee, C.H and Lockton, D, (2018). Silent Scene, **ACM Interactions'18 Demo**, 25, 6, 10-13. DOI: <https://doi.org/10.1145/3279993>

Balint, T and Lee, C.H, (2018). Pillow Talk—Curating Delight for Astronauts, **69th International Astronautical Congress (IAC)**, Bremen, Germany.

Lee, C.H, (2018). Synaesthesia Materialisation: Approaches to Applying Synaesthesia as a Provocation for Generating Creative Ideas within the Context of Design, **PhD Thesis**, Royal College of Art, School of Design, Innovation Design Engineering Research, UK.

Lockton, D., Ricketts, D, Chowdhury, S.A and Lee, C.H, (2017). Exploring Qualitative Displays and Interfaces, **ACM CHI'17**, Denver, CO, USA. DOI: <http://dx.doi.org/10.1145/3027063.3053165>

Ferrarello, L., Hall, A, Kann, M and Lee, C.H, (2017). Collaborating Design Risk, **International Association of Societies of Design Research (IASDR)**, Ohio, USA.

Lee, C.H, (2017). Three Studies of Synaesthesia, **ACM Interactions '17 Demo**, 24, 3, 8-11. DOI: <https://doi.org/10.1145/3068337>

AWARDS / NOMINATIONS / HONORS

Awarded by ACM SIGCHI Designing Interactive Systems (DIS 2018), Hong Kong 2018
Best Paper Award—DIS 2018, PWIP

Nominated by Overseas Korean Foundation (OKF), Seoul, South Korea 2016
Korean Future Leader

Nominated by UK Design Council, London, UK 2015
70 Ones To Watch - 70 emerging design talent that will shape UK's design future.

Nominated by Daum Media, Seoul, South Korea 2015
Today's Figure

Awarded by International Design Award (IDA), Los Angeles, USA 2014
Silver Prize

Awarded by A'Design Award, Milan, Italy 2013
Bronze A'Design Award

EXHIBITIONS

The Center SF, San Francisco, USA 2018
Synaesthesia: Art, Love & Science

Rebecca Hossack Gallery, London, UK 2017
Open Senses Festival

Lloyd's Register Foundation Headquarter, London, UK *2017*
Design For Safety at Sea

University College London (UCL), London, UK *2016*
Doing It Together Science (DITOs)

Royal College of Art (RCA), London, UK *2016*
Crossing Over: The Art & Science of Multisensory Perception

Royal College of Art (RCA), London, UK *2016*
Amnesty of Rejection Redux

Royal College of Art (RCA), London, UK *2016*
Work in Progress Show

Henry Moore Gallery, Royal College of Art (RCA), London, UK *2015*
Work in Progress Show

Former BBC Headquarter, London, UK *2013*
Touch Art Fair

Hoxton Gallery, London, UK *2013*
London Design Festival

Mood Museum of Design, Milan, Italy *2013*
A'Design Award

Mumbai, India *2013*
Product Design Days

Gdansk, Poland *2013*
About Design Expo

Central Academy of Fine Arts, Beijing, China *2009*
Graduation Exhibition

PORTFOLIOS & PRESS & NEWS

<https://www.changheelee.com>

SKILLS

Embedded Systems:

Atmel AVR, PCB Design, Arduino IDE, etc.

Fabrication:

3D Printing, CNC, Laser Cutting, Carpentry, etc.

Software:

Rhino 3D, 3ds Max, V-Ray, Photoshop, Wondershare Filmora, etc.

LANGUAGES

English

Fluent

Chinese

Fluent

Korean

Fluent

OTHER EXPERIENCE & ACTIVITIES

Swimming indoor marathon for people with diabetes

22miles (equivalent of swimming length from the UK to France), UK

February - May 2018

Librarian

Big Tree Library, Seoul, South Korea

November 2011 - June 2012

Civilian Document Analyst Assistant

Mandatory Military Service, Seoul, South Korea

October 2009 - October 2011

REFERENCES

Dr. Dan Lockton—Chair of Design Studies at Carnegie Mellon University School of Design.

Relationship: Doctoral Supervisor

Contact Address: danlockton@cmu.edu

Professor. Ashley Hall—Head of Research in Innovation Design Engineering at the Royal College of Art.

Relationship: Doctoral Advisor

Contact Address: ashley.hall@rca.ac.uk

Dr. John Stevens—Senior Tutor in Innovation Design Engineering at the Royal College of Art.

Relationship: Doctoral Supervisor

Contact Address: john.stevens@rca.ac.uk