

Laewoo (Leo) Kang

Human-Computer-Interaction (HCI) researcher, multimedia artist

Ph.D candidate in Information Science Department, Cornell University

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Education

- Cornell University; Ithaca, NY (Sep 2011 – June 2018)
Ph.D candidate in Information Science
Minor in Science and Technology Studies (STS)
Dissertation Title: *Improvisation and Experimental Collaboration For HCI*
- New York University; New York, NY (Sep 2009 - May 2011)
Master of Professional Studies in ITP at Tisch School of the Arts
Dissertation Title: *I Want To: Interactive Installation for Exploring Our Desire*
- Korea Advanced Institute of Science & Technology; Daejeon, Korea (Jan - July 2009)
Master of Science in Culture Technology Department / Transferred
- Hongik University; Seoul, Korea (Mar 2000 - Aug 2008, dual major in B.S and B.F.A)
Bachelor of Science in Electrical and Electronic Engineering, School of Engineering
Bachelor of Fine Art in Digital Media Design, School of Design and Media
Dissertation Title: *Electrical Engineering for Interactive Media Art*

Research Publications

- Kang, Laewoo, Steven Jackson and Phoebe Sengers. "Intermodulation: Improvisation and Collaborative Art Practice for HCI Inquiry", Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. ACM, 2018. (*Honorable Mention Award)
- Kang, Laewoo, and Steven Jackson. "Collaborative art practice as HCI research." *Interactions* 25.2 (2018): 78-81.
- Kang, Laewoo. "I Want To: Interactive Installation for Exploring Our Desire", Proceedings of International Conference on Tangible, Embedded, and Embodied Interaction (TEI). ACM, 2018.
- Kang, Laewoo. "Intermodulator: Interactive Audio-Visual System for Collaborative Improvisation", Proceedings of the 2018 CHI Conference, Extended Abstracts on Human Factors in Computing Systems. ACM, 2018.

- Kang, Laewoo. "Echo(): Listening to the Reflection of Obsolete Technology." Proceedings of the 2017 ACM Conference Companion Publication on Designing Interactive Systems. ACM, 2017.
- Kang, Laewoo. "Breaking AndyWall: Transgressive and Playful Exploration on the Dynamic Role of Users in Art and Design." Proceedings of the 2016 CHI Conference, Extended Abstracts on Human Factors in Computing Systems. ACM, 2016.
- Houston, Lara, Steven J. Jackson, Daniela K. Rosner, Syed Ishtiaque Ahmed, Meg Young, and Laewoo Kang. "Values in repair." Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems. ACM, 2016.
- Jackson, Steven J., and Laewoo Kang. "Breakdown, obsolescence and reuse: HCI and the art of repair." Proceedings of the SIGCHI Conference on Human Factors in Computing Systems. ACM, 2014. (*Honorable Mention Award)
- Kang, Laewoo, Tazoo Park, and Steven Jackson. "Scale: human interactions with broken and discarded technologies." CHI'14 Extended Abstracts on Human Factors in Computing Systems. ACM, 2014.
- Kang, Laewoo, Tianyuan Gu, and Geri Gay. "Harmonic paper: interactive music interface for drawing." CHI'13 Extended Abstracts on Human Factors in Computing Systems. ACM, 2013.
- Cheng, Justin, Laewoo Kang, and Dan Cosley. "Storeys: designing collaborative storytelling interfaces." CHI'13 Extended Abstracts on Human Factors in Computing Systems. ACM, 2013.
- Cho, Taemin, Jon Forsyth, Laewoo Kang, and Juan P. Bello. "Time-varying Delay Effects Based On Recurrence Plots", Digital Audio Effects(DAFx), 2011
- Kang, Laewoo, and Hsin-Yi Chien. "Hé: Calligraphy as a Musical Interface." NIME. 2010.

Solo Exhibitions

- 'Another Day', Community Arts Partnership ArtSpace, Ithaca, NY, USA (Feb 2016)
- 'Breaking AndyWall', Gallery Planet, Seoul, Korea (Aug 2015)
- 'Scale¹', The Olive Tjaden Gallery, The Tjaden Hall, Ithaca, NY, USA (Jan 2014)
- 'I Want To', The Olive Tjaden Gallery, The Tjaden Hall, Ithaca, NY, USA (Feb 2013)
- '100 Desires to See the Sky', Rand Hall, Ithaca, NY, USA (Oct - Dec 2012)

¹ This work is produced in collaboration with Tazoo Park and Steven Jackson

Group Exhibitions, Performances and Demo (Selected)

- 'Intermodulator', Satosphere at Societe Des Arts Technologique (April 2018, upcoming)
- 'I Want To', Stockholm Kulturhuset, Sweden (March 2018, upcoming)
- 'echo() II', Assembly Room, Edinburgh, Scotland (June 2017)
- 'Inter-modulator' in Powerdove's concerts, Ithaca and Brooklyn (Nov 2016 - ongoing)
- 'Breaking AndyWall', CHI 2016, the gallery Works, San Jose, CA (May 2016)
- 'echo' & 'Breaking AndyWall' in The Electric Golem's concert, Ithaca, NY (Jan 2016)
- 'Scale', CHI 2014, Metro Convention Center, Toronto, Canada (April 2014)
- 'Scale', The World Maker Faire, New York Hall of Science (NYSCI), New York, NY, USA (Sep 2013) - (*4 Blue Ribbon Awards)
- "I Want To", The World Maker Faire, New York Hall of Science (NYSCI), New York, NY, USA (Sep 2012) - (*4 Blue Ribbon Awards)
- 'I Want To', iConference, Marriott Hotel, Toronto, Canada (Feb 2012)
- 'One Second', NIME(ITP) 2010, Glasslands Gallery, Brooklyn, NY (Dec 2010)
- 'He', ReNew Digital Art Festival, Copenhagen, Denmark (May 2010)
- 'He', NIME Conference 2009, Sydney, Australia (June 2010)

Scholarship and Awards

- Best Paper Nominee - Honorable Mention Award, CHI (2018)
- Intel Science and Technology Center (ISTC) for Social Computing Graduate Research Award (2013 - 2016)
- 4 Blue Ribbons Award in the World Maker Faire (2014)
- Best Paper Nominee - Honorable Mention Award, CHI (2014)
- 4 Blue Ribbons Award in the World Maker Faire (2013)
- Tisch School of the Art Scholarship, New York University (2009-2011)
- KAIST Scholarship, Culture Technology Department, KAIST (2009)

Other Publications

- (Book) Kang, Laewoo, "Hello India: the third time and the first love in India", Editor, ISBN: 9788992037242, Dec 2007 / travel essay
- (Book) Kang, Laewoo et al. "37 Secrets of Photoshop Masterpiece", Information & Culture, Oct 2005 / Photoshop tutorial