

Curriculum Vitae

Byungsoo Kim, Ph.D.

Assistant Professor of Interior Architecture and Industrial Design, College of Architecture, Planning and Design, Kansas State University

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EDUCATION

2017. 8 – 2020. 6 North Carolina State University, Raleigh, NC
Doctor of Philosophy in Design (GPA: 4.0/4.0)
2014. 8 – 2016. 12 North Carolina State University, Raleigh, NC
Master's Degree in Industrial Design (GPA: 4.0/4.0)
2005. 3 – 2012. 8 Hong-ik University, Sejong, South Korea
Bachelor's Degree in Product Design (GPA: 3.83/4.5)

ACADEMIC APPOINTMENTS

- 2020.8 – present Assistant Professor
Department of Interior Architecture and Industrial Design
Kansas State University
Manhattan, KS, USA

PROFESSIONAL APPOINTMENTS

- 2021.2 – 2021.3 Design Researcher
Conifer Research LLC
Chicago, IL, USA
- 2017.5 – 2018.7 Design Consultant
Raleigh, NC, USA
- 2017.4 – 2017.8 Research Associate
Research in Ergonomics and Design Lab, North Carolina State University
Raleigh, NC, USA
- 2016.5 – 2016.8 Creative Design Intern
General Motors
Detroit, MI, USA
- 2015.5 – 2015.8 Industrial Design Intern
JLG (under **Oshkosh Corporation**)
Hagerstown, MD, USA
- 2011.12 – 2014.7 Designer/Researcher
Life Environmental Research and Design Laboratory
Seoul, South Korea

TEACHING EXPERIENCE

Kansas State University, Assistant Professor

2024 Spring INDD 811 Design Research (**funded by Sloan**)
INDD 822 Advanced Industrial Design Studio

2023 Fall INDD 644 Internship
INDD 645 Internship Report
IAID 290 Design and Material Culture
INDD 325 Human Factors and Industrial Design
IAID 430 Visual Communication 1

2023 Summer INDD 664 Internship
INDD 664 Internship Report

2023 Spring INDD 811 Design Research
IARC 822 Advanced Product Design Studio

2022 Fall INDD 644 Internship
INDD 645 Internship Report
INDD 606 Design Studio V
INDD 325 Human Factors and Industrial Design
IAID 430 Visual Communication 1

2022 Summer INDD 664 Internship
INDD 664 Internship Report

2022 Spring INDD 811 Design Research
IARC 822 Advanced Product Design Studio

2021 Fall INDD 644 Internship
INDD 645 Internship Report
INDD 606 Design Studio V
INDD 325 Human Factors and Industrial Design
IAID 430 Visual Communication 1

2021 Spring INDD 500 Materials and Manufacturing Processes
ENVD 202 Design Studio

2020 Fall INDD 325 Human Factors and Industrial Design
IAID 430 Visual Communication 1

North Carolina State University, Co-Instructor

2019 Spring ID 300 Design Studio

PhD Committees

Student Name	Degree, Year	School	Title	Role
Se-Hoon Ko	PhD in Design, Fall, 2024 (expected)	Seoul National University	Study on the Application of Complex System Mechanism for Emergent Findings in the Industrial Design Sketching Process	External Committee Member
Young-Eun Kim	PhD in Design, Fall, 2023	Seoul National University	Machine Learning Application in User Experience Design Methods	External Committee Member
Young-Jun Byun	PhD in Design, Fall, 2022	Seoul National University	U.I Design Proposal for Stable Control from Autonomous to Non- Autonomous Driving Mode Conversion - the Conversion Method for Non Driving Related Tasks with High Driver Dispersion	External Committee Member

in Autonomous Driving Mode

Halil Tetik	PhD in Industrial Engineering, Spring 2022	Kansas State University	3D Freeze Printing of Functional Aerogels	Outside chair
Deok-Chan Lee	PhD in Design, Fall, 2021	Seoul National University	Reinterpretation and Design of Autonomous Driving Interior Space Design Principles Applying Rhizome theory	External Committee Member

Masters Committees

Student Name	Degree, Year	School	Title	Role
Dustin McDermott	Masters in Industrial Design, Spring, 2023	Kansas State University	Serene: The AI Therapist-Music for Your Mind	Committee Chair
Kayla Roles	Masters in Industrial Design, Spring, 2023	Kansas State University	DASH: Promoting Mental Health for Creative Individuals	Committee Chair
Levi Hansen	Masters in Industrial Design, Spring, 2023	Kansas State University	SteelHead: Designing a Portable and Versatile Watercraft	Committee Chair
Matthew Henninger	Masters in Interior Architecture and Product Design, Spring, 2022	Kansas State University	iCar: Interior HMI Design Autonomous Vehicle Interior Experience	Committee Chair
Jake Lathrum	Masters in Interior Architecture and Product Design, Spring, 2022	Kansas State University	Mo-Vision Electronic Vision Enhancing Glasses for the Visually Impaired	Committee Chair
Leah Steinacker	Masters in Interior Architecture and Product Design, Spring, 2022	Kansas State University	Toy Design for Pediatric Hospital Environments: Redefining the Approach for Pre-operative Education of Pediatric Patients	Committee Chair

TEACHING: AWARDS & RECOGNITIONS

2023 McElwee Faculty Teaching Award, Kansas State University
Nominated
 Given to a faculty member for being an outstanding teacher as designated by the dean of the college based upon the recommendations of both students and faculty.

TEACHING: NOTEWORTHY ACCOMPLISHMENTS OF GRADUATE STUDENTS

2023 Architectural Research Centers Consortium King Medal Medalist
 Each year, one outstanding graduating student from the Kansas State University College of Architecture, Planning & Design receives the ARCC King Medal.
 Student Name: Kayla Roles

2021 Design Competition, Janus et Cie - Urban Playground, JENUS & Populous
 Finalist

Hosted by JANUS et Cie, an international furniture manufacturer, and Populous, an architectural design firm. One of my student's independent study works was recognized as one of the finalists. As finalists, three student designers and the Industrial Design program each received \$1,500.
Student Name: Zachary Spearman

DESIGN WORKS: AWARDS & RECOGNITIONS

- 2015 Car Design News and GM interactive Design Competition, General Motors
Winner
Annual car design competition for student car designers in the USA and Canada.
4 winners from 1,292 submissions received a paid internship at GM.
Work Title: [GMC ANTS: Drone Furniture Delivery Rental Service](#)
Futuristic Drone Furniture Delivery Rental Service: seamless delivery of furniture of various sizes through the innovative use of interlocking "ants."
- 2014 Asian Smart Living International School, Taiwan's Ministry of Education
Winner of the Best Practice & the Most Popular Award
Annual design workshop sponsored by the Ministry of Education, Taiwan.
Selected graduate students from different nations (Japan, South Korea, Singapore, and Netherlands). Winners (1 from 8 teams for Best Practice & the Most Popular Award) received the certificates of award.
Work Title: [Organic Swirl](#)
Sustainable Agriculture: Crafting exquisite experiences through community-driven organic farming service design.
- 2013 iF Universal Design Award, iF International Forum Design
Winner & Consumer Favorite
an annual award since 1953 (more than 2,000 product entries from around 37 nations), Germany. iF Universal Design Award category started in 2012. 25 submissions received certificates of the award and were invited to the award ceremony.
Work Title: [Stoop](#)
Electrifying Mobility: Empowering Electric Vehicles and Wheelchairs with the Stoop Electric Charger.
- 2012 Reddot Concept Design Award, Design Zentrum Nordrhein Westfalen
Winner
Annual design award (around 5,000 entries), Germany. Around 1,000 Winners were recognized in the red dot design yearbook, exhibited in the red dot design museum and red dot on tour.
Work Title: [Dri:m](#)
Lunch box delivery service & a set of product designs for the elderly living alone, empowering volunteers and recipients while fostering compassion.
- Design to Business Fair, Korean Intellectual Property Office
Bronze Prize
Annual design award supported by Korean Intellectual Property Office (over 5,000 submissions). 53 design results received prize money, certification, and support of design patent.
Work Title: [Jelly Shampoo](#)
Harmony in Sustainability: an eco-friendly and user-centric shampoo packaging design.
- Design for Social, Utilità Manifesta
Finalist
Annual design award (more than 400 design project entries from all around the world), Italy. 10 industrial design projects received recognition and were invited to an exhibition.
Work Title: [Stoop](#)
- Social Enterprise Excellent Item Contest, Gyeonggi Government
Excellence Prize
Annual design award by the governor, Gyeonggi-do, South Korea.

Work Title: [Dri:m](#)

Spark Concept Design Award

Finalist

Annual design award (around 400 submissions).

Around 200 design projects received recognition.

Work Title: [Stoop](#)

2011 Children Playground Design Award, Gyeonggi Government

Select Prize

Annual design award, prize from the governor of Gyeonggi-do.

Work Title: [Rolling Rolling](#)

Inclusivity in Motion: Multisensory inclusive seesaw, enriching play experiences for children with visual impairment.

Design for Social, Utilità Manifesta

Finalist

Annual design award (more than 400 design project entries from all around the world), Italy. 20 industrial design projects received recognition and were invited to an exhibition.

Work Title: [Dri:m](#)

DESIGN WORKS: EXHIBITIONS

- 2023 406 1/2 Poyntz
Manhattan, Kansas, USA
Work Title: [Personalized Everyday Objects: Ice-cream Scoop](#)
- 2023 Seaton Hall, Kansas State University Open House
Manhattan, Kansas, USA
Work Title: [Personalized Everyday Objects: Ice-cream Disher](#)
- 2012 Reddot Design Museum
Singapore
Work Title: [Drim](#)
- 2012 Utilita Manifesta Exhibition at Art Verona 2012
Milan, Italy
Work Title: [Drim](#)
- 2012 Souvenir Design Exhibition
Jeju-do, South Korea
Work Title: Teuri

DESIGN WORKS: PATENTS

- 2019 Hanes Breast Motion Simulator Combine (NCSU File 19-19242), USA
Submitted (fees for the international and US filings were paid for by Hanes).
- 2012 Shampoo Container Design (Design Registration Number: 0673350, Korean Intellectual Property Office), South Korea
Designing an easy-to-use and eco-friendly shampoo Container.

RESEARCH: PROJECTS

Principal Investigator

- 2020.8 – present ‘Technology-Driven Design Process in Industrial Design’
Kansas State University
Manhattan, KS, USA
- 2022.8 – 2023.5 ‘Enhancing Industrial Design Education Through Studio-Lecture Collaboration’
Kansas State University
Manhattan, KS, USA
- 2020.12 – 2021.12 ‘The HFE Data Visualization and Interdisciplinary: The Impact of Different
HFE Data Visualizations on Industrial Design Process’
Kansas State University
Manhattan, KS, USA

Co-Principal Investigator

- 2021.8 – present ‘Dynamics of Disciplines: Understanding Task-level Experiences in
Interdisciplinary Collaborative Design Studio Education’
Kansas State University
Manhattan, KS, USA
- 2020.6 – 2022.12 ‘Interdisciplinary Research Team Building’
Kansas State University
Manhattan, KS, USA

Researcher

- 2021.2 – 2021.3 Design Researcher
Healthcare Service Design, funding source confidential
Conifer Research LLC
Chicago, IL, USA
- 2013.7 – 2014.6 Researcher
‘Automatic Discharge Processing System Design for Patients Who Lives in Bed’
funded by **Korea Evaluation Institute of Industrial Technology**
Life Environmental Research and Design Laboratory
Seoul, South Korea
- 2013.6 – 2014.1 Researcher
‘Public Facilities Standard Design’ funded by Pyeongtaek City
Life Environmental Research and Design Laboratory
Seoul, South Korea
- 2013.1 – 2013.7 Researcher
‘Han River Fishing Village Building Project’ funded by the Korea Rural
Community Corporation
Life Environmental Research and Design Laboratory
Seoul, South Korea
- 2012.6 – 2012.11 Researcher
‘Research for National Park Facilities Universal Design Guideline’ funded by
Korea National Park Service
Life Environmental Research and Design Laboratory
Seoul, South Korea
- 2011.11 – 2012.6 Researcher
[‘Public Signage Design Guideline’](#) funded by the Gyeonggi Provincial
Government
Life Environmental Research and Design Laboratory
Seoul, South Korea

2011.7 – 2012.1 Researcher
‘[Light Pollution Control Plan and Nightscape Design Guideline](#)’ funded by the
Gyeonggi Provincial Government
Life Environmental Research and Design Laboratory
Seoul, South Korea

Research Assistant

2018.8 – 2019.7 Research Assistant
‘Collaborative Report Generation Project’ from the Laboratory for Analytic
Science’ funded by LAS (under **National Security Agency**)
Research in Ergonomics and Design Lab, North Carolina State University
Raleigh, NC, USA

RESEARCH: AWARDS & RECOGNITIONS

- 2019 HFES Student Paper Award, Human Factors and Ergonomics Society
Winner
Selected from 12 submitted papers in Product Design Technical Group. Winners received a certificate of the award and prize money.
Work Title: [A Wearable Intervention for Laptop Users](#)
The paper aims to investigate the potential impact of a wearable glasses-type intervention regarding the posture and productivity of laptop users in a standard working environment.
- 2016 NCSU Graduate Student Research Symposium
3rd Place
Annual research symposium for NCSU graduate students across all majors. Over 200 presenters (only selected graduate students from each major could present their work). Winners (24 winners) received the certificate of the award and prize money.
Work Title: [Interaction Design Guidelines for Drivers](#)
The purpose of this study is to understand the difficulty of controlling a car’s functions while driving an unfamiliar car and to redesign controls to improve safety and usability.
- NCSU Chapter Graduate Research Award, Sigma Xi
Recognition of Superior Achievements in Scientific Research
Work Title: [Interaction Design Guidelines for Drivers](#)
- Korean American Scientists and Engineers Association Poster Competition (NC Chapter)
1st Place
Annual conference for Korean-American researchers in North Carolina (NCSU, UNC, and Duke). Winners (3 winners from 8 presenters) received prize money.
Work Title: [Interaction Design Guidelines for Drivers](#)

RESEARCH: FUNDINGS

Funded

- 2022 Faculty Development Award
Kansas State University
Amount: \$2,373
Contribution: 100%
- 2021 University Small Research Grant
Kansas State University
Amount: \$2,103
Contribution: 100%

Accepted

2023 Academic Program Strategic Investment Funds
 Kansas State University
 Amount: \$24,130
 Contribution: 33.3%

Rejected

2023 2024 Vilcek Prizes for Creative Promise in Design
 Vilcek Foundation
 Amount: \$50,000
 Contribution: 100%

2021 University Small Research Grant
 Kansas State University
 Amount: \$2,970
 Contribution: 100%

Submitted

2023 GRIPex: AI in the Disciplines
 Kansas State University
 Amount: \$99,160
 Contribution: 60%

RESEARCH: PUBLICATIONS

Journal Articles, In Print:

- 2023 Liu, H., **Kim, B.**, & Joines, S. (2023). Collaborative Writing in the Intelligence Community: Investigation of Analytic Collaborative Reporting Processes and Writing Strategies. *International Journal of e-Collaboration*.
- 2023 **Kim, B.**, Joines, S., & Feng, J. (2023). Technology-Driven Design Process: Teaching and Mentoring Technology-Driven Design Process in Industrial Design Education. *International Journal of Technology and Design Education*, 1-35.
- 2019 Park, J., **Kim, B.**, Lee, B., Traci, R., & Hands, D. (2019). Interdisciplinarity of Ph.D. students across the Atlantic: A Case of Interdisciplinary Research Team Building. *The Design Journal*, 22, 1453-1466.
- 2018 **Kim, B.**, Joines, S., Feng, J., & Flinchum, R. (2018). Usability Study to Improve Interaction Design for Drivers in Car-Sharing Systems. *Journal of User Experience*, 13(4), 220-247.

Journal Articles, In Preparation:

Kim, B., Panda, P., & Joines, S. (Year). The HFE Data Visualization and Interdisciplinary: The Impact of Different HFE Data Visualization on Industrial Design Process. In Preparation for *International Journal of Technology and Design Education*.

Kim, B., Joines, S., & Liu, T. (Year). The Role of Design in the 4th Industrial Revolution: Case Studies of Designer's Role in Technology-Driven Organizations. In preparation for *The Design Journal*.

Kim, B. (Year). Personalization of Everyday Object: Considering Ergonomics and Aesthetics. In Preparation for the *International Journal of Art and Design Education*.

Kim, B., & Park, J. (Year). Establishing Online Research Team Building Workshop Framework. In preparation for *The Design Journal*.

Kim, B., Joines, S., & Ham, D. (Year). Design Process, Method and Tool Evaluation: Technology to Product Design Process (TPDP) For Industrial Design Education. In preparation for the *International Journal of Art and Design Education*.

Papers in Proceedings & Online Publications:

- 2023 **Kim, B.**, & Gregorio, H. (August, 2023). Enhancing Industrial Design Education Through Studio-Lecture Collaboration [Paper presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- Lin, C., & **Kim, B.** (August, 2023). Study of Ai-Driven Furniture Design Process [Conference presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- Gregorio, H., & **Kim, B.** (August, 2023). Design Entrepreneurship: Identifying the Essential Skills for Industrial Design Students to Become Entrepreneurs. . In *Industrial Designers Society of America Education Paper Online Publication Platform*. [double blind peer-reviewed].
- Doffing, B., Garrett, G., & **Kim, B.** (September, 2023). Integrating Smart Textiles in Automotive: Application of Upholstery in Vehicle Interiors for Their Development into the Third Living/Workspace. In *Industrial Designers Society of America Education Paper Online Publication Platform*. [double blind peer-reviewed].
- Hilk, T., Sencenbaugh, A., & **Kim, B.** (August, 2023). Reduction of Food Waste in Grocery Stores in Rural America: Reducing Food Waste at Retail Stores—an Explorative Study [Paper presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- Sustaita-Delgado, L., & **Kim, B.** (August, 2023). Early Childhood Development Toys for Visually Impaired: Guidelines for Designing an Enjoyable Toy for Visually Impaired Children with the Goal of Aiding in Various Areas of their Early Childhood Development [Paper presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- Tarwater, I., & **Kim, B.** (August, 2023). Sustainable Materials in Outdoor Gear Design: An Investigation of the Future of Alternative Textiles in Outdoor Gear Design [Paper presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- Kim, B.**, & Lewis, K. (May, 2023). Creating a Transformative Experience in the First Year of Study for Beginning Design Studio Online [Paper presentation]. *Transformative Teaching*. [double blind peer reviewed].
- 2022 McDermott, D., & **Kim, B.** (September, 2022). Artificial Intelligence, Music Therapy, and the Fight against Mental Illness [Paper presentation]. *Industrial Designers Society of America Education Symposium*, Seattle, USA. [double blind peer-reviewed].
- Roles, K., & **Kim, B.** (September, 2022). Creative Burnout: Suffocating the Future of Design [Paper presentation]. *Industrial Designers Society of America Education Symposium*, Seattle, USA. [double blind peer-reviewed].
- Kim, B.**, & Gregorio, H. (June, 2022). An analysis of master's in industrial design theses at U.S. land-grant universities: A systematic literature review [Paper presentation]. *Design Research Society*, Bilbao, Spain. [double blind peer-reviewed].
- Lewis, K., & **Kim, B.** (April, 2022). First-Year Design Students' Readiness to be in Different Disciplines: An Investigation of the Skill Readiness and Preparedness for the Coming Years of Study [Paper presentation]. *37th National Conference on the Beginning Design Student*, Muncie, Indiana. [double blind peer-reviewed].
- Park, J., Yoon, Y., & **Kim, B.** (March, 2022). A Systematic Literature Review of Ph.D. in Design Dissertations: A Case Study at North Carolina State University [Paper presentation]. *ARCC-EAAE 2022 International Conference*. [double blind peer-reviewed].
- 2021 **Kim, B.**, & Panda, P. (2021). Data Visualizations for Interdisciplinary Communication in HFE. In *Advances in Industrial Design: Proceedings of the AHFE 2021 Virtual Conferences on Design for Inclusion, Affective and Pleasurable Design, Interdisciplinary Practice in Industrial Design, Kansei Engineering, and Human*

Factors for Apparel and Textile Engineering, July 25-29, 2021, USA (pp. 3-10). Springer International Publishing.

Panda, P., **Kim, B.**, Behnam-Asl, S., & Sener, E. (2021, December). Immersive Analytics: A User-Centered Perspective. In *Proceedings of the 27th ACM Symposium on Virtual Reality Software and Technology* (pp. 1-3).

2020 **Kim, B.**, & Joines, S. (2020). The role of design in technology driven ergonomics product development. In *Advances in Ergonomics in Design: Proceedings of the AHFE 2019 International Conference on Ergonomics in Design, July 24-28, 2019, Washington DC, USA 10* (pp. 3-14). Springer International Publishing.

2019 **Kim, B.**, Liu, H., & Joines, S. (2019, November). A wearable intervention for laptop users. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 63, No. 1, pp. 1188-1193). Sage CA: Los Angeles, CA: SAGE Publications.

2015 **Kim, B.**, Liu, H., & Joines, S. (August, 2015). Designing for Empathy: Research Expanding Aging Experience Suit for Educational Purposes [Paper presentation]. *Industrial Designers Society of America Education Symposium*, Seattle, USA. [double blind peer-reviewed].

Papers in Proceedings, Accepted:

2023 Kirchmer, K., & **Kim, B.** (June, 2023). Dynamics of Disciplines: Understanding Task-level Experiences in Interdisciplinary Collaborative Design Studio Education [Paper presentation]. 2023 ACSA/EAAE Teachers Conference, Reykjavík, Iceland. [double blind peer-reviewed].

Papers in Proceedings, Submitted:

2024 Kirchmer, K., & **Kim, B.** (June, 2024). Reflect to Connect: Exploring Disciplinarity and Enhancing Collaboration in Design Studios [Paper submission]. *Design Research Society*, Boston, USA. [double blind peer-reviewed].

Book Chapters, In Preparation:

2023 **Kim, B.** (2023). Chapter 17: Changing interfaces in and around the contemporary house. In K. Guler (Ed.), *Transforming Issues in Housing Design* (1st ed., pp. [page numbers]). Wiley. ISBN-10: 1119857163. Publication date: December 12, 2023.

Trade Publications, In Print:

2018 **Kim, B.**, & Joines, S. (2018). Universal design for unfamiliar environments. Content of *Design for All Institute of India, January 2018 Vol-13 No-1*, 48.

Conference/Symposium Presentations, Abstract Referred:

2020 Yi, C., Park, J., & **Kim, B.** (June, 2020). Interdisciplinary research team workshop: bottom-up approach [Paper presentation]. *12th Annual International Science of Team Science Conference*, Durham, USA. [double blind peer-reviewed].

Park, J., **Kim, B.**, Yi, C., & Joines, S. (April, 2020). Evaluating a Workshop for Interdisciplinarity in Environmental Design Research [Paper presentation]. Proceedings of the *51st Environmental Design Research Association (EDRA) Conference*, Tempe, USA. [double blind peer-reviewed].

Kim, B., Park, J., Yi, C., & Joines, S. (February, 2020). Workshop of Interdisciplinary Research Team Building [Paper presentation]. 2020 KSEA-NC Interdisciplinary Research Conference, Raleigh, USA.

2018 **Kim, B.**, Joines, S., Feng, J., & Flinchum, R. (September, 2018). Car Interaction Design for Car-Sharing Systems [Paper presentation]. 10th International ACM Conference on Automotive User Interfaces and Interactive Vehicular Applications, Toronto, Canada. [double blind peer-reviewed].

Kim, B., & Joines, S. (March, 2018). The Use of a Wearable Intervention for Laptop Users [Paper presentation]. 12th International Conference on Design Principles & Practices, Barcelona, Spain. [double blind peer-reviewed].

Poster Presentation, Abstract Referred:

- 2023 **Kim, B.**, & Gregorio, H. (August, 2023). Enhancing Industrial Design Education Through Studio-Lecture Collaboration [Poster presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- Tarwater, I., & **Kim, B.** (August, 2023). Sustainable Materials in Outdoor Gear Design: An Investigation of the Future of Alternative Textiles in Outdoor Gear Design [Symposium presentation]. *Industrial Designers Society of America Education Symposium*, New York, USA. [double blind peer-reviewed].
- 2021 Panda, P., **Kim, B.**, Sener, E., & Asl, S. (October, 2021). A User-Centered Survey of Immersive Analytics: Preliminary Results [Poster presentation]. *IEEE Visualization Conference (VIS)*.
- 2020 Joines, S., **Kim, B.**, Liu, H., & Salamanca, C. (December, 2020). Design Thinking: Training, Support, and Investigations for LAS/IC [Poster presentation]. *2020 LAS Virtual Symposium*.
- 2018 Joines, S., **Kim, B.**, Liu, H., Dorsett, J., Salamanca, C., & Peavey, J. (December, 2018). Design Thinking through Research Course [Poster presentation]. *Laboratory for Analytic Sciences Research Symposium*, Raleigh, NC, USA.
- 2017 Joines, S., Tellez, F., **Kim, B.**, Liu, C., Liu, H., Peavey, J., & Salamanca, C. (December, 2017). Design Thinking through Research Course [Poster presentation]. *Laboratory for Analytic Sciences Research Symposium*, Raleigh, NC, USA.
- 2016 Joines, S., Tellez, F., **Kim, B.**, Liu, H., Ginn, W., Peavey, J., & Walker, A. (December, 2016). Design Thinking through Research Course [Poster presentation]. *Laboratory for Analytic Sciences Research Symposium*, Raleigh, NC, USA.

Workshop facilitation, Abstract Referred:

- 2020 **Kim, B.**, & Park, J. (September, 2020). Online Collaboration for Interdisciplinarity: A Journey towards Interdisciplinarity in Design Research from Doctoral Design Students [Workshop]. *Digitally Engaged Learning Conference*. [peer-reviewed].

PROFESSIONAL ACTIVITIES

Invited Presentation:

- 2023 Invited Lecturer
“Human Centered Design in Technology Driven Innovation”
IMSE Graduate Seminar, Kansas State University, November 2023.
- Invited Speaker
“AI’s Impact on Design”
Exploring AI, KC Digital Summit, Industrial Designers Society of America KC Chapter, July 2023.
- Distinguished Speaker
“Technology to Product Design Process for Design Education”
5th Edition of Advanced Materials Science World Congress, Barcelona, Spain, March 2023.
- 2022 Keynote Speaker
“Study of AI-Driven Furniture Design Process,”
Artificial Intelligence, Machine Learning, and Robotics Webinar, Online, December 2022.
- 2019 Invited Speaker
“A Wearable Intervention for Laptop Users”
College of Design Leaders Council Student/Faculty Presentations, Raleigh, NC, USA, October 2019.
- 2016 Invited Speaker
“Interaction Design Guidelines for Drivers”

Carolina Chapter of the Human Factors and Ergonomics Society, Raleigh, NC, USA, May 2016.

- 2016 Invited Lecturer
R. Taylor, S. Joines, **B. Kim**, and H. Liu
“Human Subjects Research: NCSU IRB and HRPO Review for LAS Research”
Laboratory for Analytic Sciences WRM, Raleigh, NC, USA, October 2017.

Invited Workshops/Boot Camps

- 2022 Workshop Co-Organizer/Facilitator
B. Kim and C. Lin
“Technology-Driven Design Workshop”
Tatung University, Taipei, Taiwan, July 2022.
- 2015 Facilitator
Defense Advanced Research Projects Agency Design Boot Camp
Washington D.C., April 2015.

Invited Performance:

- 2022 Sketching Performer
Sketching and Ideation Session. Kansas State University IDSA Student Chapter
Manhattan, KS, USA, October 2022.
- 2016 Drawing Performer
NC Museum of Art
Raleigh, NC, USA, April, 2016.

Poster Presentation:

- 2017 Joines, S., Goodell, H., & **Kim, B.** (April, 2017). Breast Motion Simulation Project [Poster presentation].
Hanesbrands Poster Presentation Session, Winston-Salem, NC, USA.
- 2016 **Kim, B.** (April, 2016). Car Sharing and Interaction Design [Poster presentation]. *2015-2016 Korean American Scientist and Engineers Association (KSEA) South-Atlantic Regional Conference Poster Competition* (NC Chapter).
- Kim, B.**, Joines, S., Feng, J., & Flinchum, R. (March, 2016). Interaction Design Guidelines for Drivers [Poster presentation]. 11th Annual Graduate Student Research Symposium, Raleigh, NC, USA.
- 2015 **Kim, B.**, & Joines, S. (March, 2015). Universal Design Checklist for Control Panel - Microwave Oven [Poster presentation]. *Universal Design Symposium*, Raleigh, NC, USA.

MEDIA EXPOSURE

- 2023 Title: K-State research lives in our daily lives
Media: Seek Research Magazine | [ARTICLE LINK](#)
- 2016 Title: CDN-GM interactive design competition winners announced
Media: Car Design News | [ARTICLE LINK](#)
Work Title: [GMC ANTS: Drone Furniture Delivery Rental Service](#)
- Title: Byungsoo Wins GM Interactive Design Competition
Media: DESIGN NCSU | [ARTICLE LINK](#)
Work Title: [GMC ANTS: Drone Furniture Delivery Rental Service](#)
- Title: A Master Plan
Media: DESIGN NCSU | [ARTICLE LINK](#)
- 2012 Title: It's not hard to find your way... Various road signs, unified as one

Media: Mail Economy | [ARTICLE LINK](#)
Work Title: [Public Signage Design Guideline](#)

Title: Distributed 'Artificial Light Pollution Management Plan and Night Landscape Design Guidelines' by Gyeonggi Province
Media: DESIGN NCSU | [ARTICLE LINK](#)
Work Title: [Light Pollution Control Plan and Nightscape Design Guideline](#)

SERVICE

Professional Service On Campus:

2023 Faculty Development Award
Reviewer (2023 Spring)
College of Architecture, Planning and Design, Kansas State University

University Small Research Grant
Reviewer (2023 Spring)
College of Architecture, Planning and Design, Kansas State University

ENVD Working Group (1st Year Studio)
Committee Member (2021.1–present)
College of Architecture, Planning and Design, Kansas State University

International Studies
Committee Member (2021.1–present)
College of Architecture, Planning and Design, Kansas State University

Industrial Design Internship Program
Coordinator (2020.8–present)
College of Architecture, Planning and Design, Kansas State University

2020.8 – 2021.8 Intercultural Collaborative Committee
Committee Member (2020.8–2021.8)
College of Architecture, Planning and Design, Kansas State University

Industrial Design Academic affair
Committee Member (2020.8–2021.8)
College of Architecture, Planning and Design, Kansas State University

Professional Service Off Campus

2022.7 – present Editorial Board Member
Design Works (academic Journal)

2022 Reviewer
Design Research Society (international conference proceedings)

2021 – 2022 Reviewer
Design Works (academic journal)

2019 Reviewer
63rd Human Factors and Ergonomics Society (international conference proceedings)

Conference Session Co-Chair
Applied Human Factors and Ergonomics

SCHOLARSHIP: RECOGNITIONS OF ACADEMIC PERFORMANCE

2017 – 2018	North Carolina State University Graduate Research Assistantship & North Carolina State University Graduate Fellowship Full tuition support
2016	The Honor Society of Phi Kappa Phi, Phi Kappa Phi Top 10% Students at North Carolina State University
2015 – 2016	L. Franklin Bost Industrial Design Scholarship, North Carolina State University Full tuition support

PROFESSIONAL MEMBERSHIPS & AFFILIATION

2022.5 – Present	Industrial Designers Society of America, Young Professional Member
2019.7 – 2020.7	The Human Factors and Ergonomics Society, Student Member Industrial Designers Society of America, Student Member