Wayne Chung

Professor at Carnegie Mellon University

Pittsburgh, PA, US

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Biography

Wayne Chung is a Professor and Director of Undergraduate Studies. Chung's research and work span medical systems and devices, robot design, consumer, and industrial products. Chung has taught First-Year Design Labs, Advanced ID/Product Studio: Product and Systems, How Things Are Made, Applied Research Methods, DigiTech Tools, UX Design Tools, and co-teaches Biomedical Engineering with Dr. Zapanta. Chung utilizes design research methods and develops new processes to understand the person in context. This essential approach enables insight and appropriate innovation within a world of complexity. Material, aesthetics, fit, and the user experience can only be designed once the problem is appropriately framed relative to the human, artifacts, and environment context. Chung has worked and collaborated with a range of clients, industry sponsors, and partners including: Industry: American Eagle Outfitters, Bayer Material Science, BNY Mellon, Bridgestone, Cognizant Technologies, Daimler Trucks, FCA Fiat Chrysler Automobiles, Ford Motor Company, forms+surfaces, General Motors, Intel Digital Health, LG Electronics, PNC Bank, Procter & Gamble, Radio Flyer, Rubbermaid, Texas Instruments, Vocollect, Whirlpool Corporation Medical: Ohio State University's 8T MRI, OSU Veterinary CT large animal transfer bed system, Energy Storage Systems, advisor to several BME industry projects and start-ups Robotics: Snackbot, Chiara Robot, CMU NREC interior space project, and other robot components and systems Chung worked as a design information researcher for the Federal Highway Administration?s Advanced Driver Interface Design and Assessment Project and industrial designer for Sundberg-Ferar. Prior to teaching at Carnegie Mellon, Chung taught in the Department of Design at The Ohio State University, and he served as the interim Director of the Industrial Design Program at Georgia Institute of Technology. His professional service includes elected positions in local IDSA chapters. Chung was recognized by the Design Intelligence Journal as one of the 'Most Admired Industrial Design Educators' in the US. Chung is the author of the book titled, The Praxis of Product Design in Collaboration with Engineering (Springer Publishing). It is a culmination of applied methods, case studies, and a matrix tool resulting from numerous industry collaborative experiences and studio-based design education.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Consumer Products, Robot Design, Medical Devices and Systems, Robotics and Autonomous Vehicles, Industrial Products

Event Appearances

The Inherent Potential of the Industrial Design Praxis
Education Symposium

Education

University of the Arts
M.A. Industrial Design

Carnegie Mellon University
B.F.A. Industrial Design

Accomplishments

Most Admired Industrial Design Educators
Design Intelligence Journal

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