

Discovering new

SMART LEARNING METHODS

in the multi-person virtual
reality space



GALLOGLY COLLEGE OF ENGINEERING
INDUSTRIAL AND SYSTEMS
ENGINEERING
The UNIVERSITY of OKLAHOMA



Ziho Kang
Assistant Professor



Ziho Kang, Ph.D.

Ziho Kang is recognized in human factors, most recently as a recipient of a prestigious National Science Foundation CAREER Award. Kang will be discovering new smart learning methods in the multi-person virtual reality space through the multimodal engagement analysis of eye

movements, haptic interactions and brain activities. Kang's specialty is in developing algorithms that can discover significant patterns from complex eye movements, which can be used to inform the design of systems and develop training intervention methods. Complex haptic interactions and brain activities can also be characterized to reveal significant patterns. Application areas include air traffic control, weather forecasting, commercial advertisement, driving, piloting, Deepwater Horizon offshore oil drilling, and higher education.

Kang's four years of industry experience as an engineer at Samsung and the Korea Stock Exchange preceded his doctoral degree from the School of Industrial Engineering at Purdue University in 2012. He then served as a Postdoctoral Researcher in Computing & Informatics at Drexel University before serving as a faculty member in Industrial and Systems Engineering at OU in 2014. He is the institution co-PI at the Center of Excellence for Technical Training and Human Performance (\$6 million) and the PI of six projects (\$1 million).

For more information about Ziho Kang, visit:
bit.ly/KangHumanFactors

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