[Yuichi Motai, Ph.D.](#)

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Associate Professor of the Department of Electrical and Computer Engineering of Virginia Commonwealth University.

Biography

Yuichi Motai, Ph.D. is currently an associate professor of Electrical and Computer Engineering at the Virginia Commonwealth University, Richmond, VA, USA after having moved from the University of Vermont. He had a visiting appointment in Radiology Department at Harvard Medical School, MA, USA. He was born in Japan, studied in both Japan and the USA, and completed his Ph.D. with the Robot Vision Laboratory in the School of Electrical and Computer Engineering, Purdue University, West Lafayette, Indiana in 2002. His first laboratory work was in Biomedical Instrumentation Laboratory at Keio University in 1990-1991, where he wrote his bachelor thesis on a psycho-physiological experiment, color matching between computer display and actual object. He wrote his master thesis on 3D object reconstruction by depth from focus using a single camera at Image Informatics laboratory at Kyoto University in 1991-1993. He then spent 4 years as a tenured research scientist in an industrial laboratory called Intelligent Systems Lab in the image processing division where he built an infrared image sensing systems for detecting human behavior. In 1997, he started working for his Ph.D. in the School of Electrical and Computer Engineering at Purdue University. His thesis was on a 3D robot vision system for acquiring an object model with human-computer interaction framework. He spent more than 3 years on this project funded by Ford Motor Company. He has been selected for more than 10 prestigious fellowships and awards, and has been invited to more than 50 research seminars from the top universities and research companies. He has granted over 10 Ph.D as an adviser, and has published 4 research books, more than 100 journals and conferences papers as a corresponding author. He was ONR SFRP Visiting Summer Senior Faculty, Naval Research Lab, Naval Surface Warfare Center, Dahlgren, VA, AFOSR-AFRL/RI Summer Faculty Fellowship Program (SFFP) at Air Force Research Lab, Rome AFB, NY, and AFRL-ASEE SFFP at the Air Force Research Lab in Hanscom AFB, MA. He was a winner of NSF CAREER Award in the Division of Electrical, Communications, and Cyber System at the Directorate for Engineering, and awarded 10+ peer-reviewed grants from both internal and external sources as the PI. His research interests are in the broad area of sensory intelligence, especially of medical imaging, computer vision, and robotics.

Industry Expertise

Education/Learning, Research, Electrical Engineering, Industrial Automation, Computer Software, Health and Wellness, Information Technology and Services, Writing and Editing

Areas of Expertise

System Safety, Intelligent Systems with Adaptive Tracking, Online Classification Methodologies, Medical Imaging, Pattern Recognition, Computer Vision, Robotics, Biomedical Applications, Sensory Intelligence, Data Analysis, Data Science, Software and Development

Affiliations

Virginia Commonwealth University , Sigma Xi (Scientific Research Society), IEEE (Institute of Electrical and Electronics Engineers) Senior member, ACM (Association for Computing Machinery) Lifetime member, ASEE (American Society for Engineering Education)

Education

Purdue University
Ph.D. Electrical and Computer Engineering

Kyoto University
M.E. Applied Systems Science

Keio University
B.E. Instrumentation Engineering

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