



Invited Speaker



Prof. Dr. Hiroshi Ishida
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Hiroshi Ishida received his M.Eng and Ph.D. degrees in electrical and electronic engineering from Tokyo Institute of Technology, Tokyo, Japan, in 1994 and 1997, respectively. He was a Research Associate with Tokyo Institute of Technology from 1997 to 2004. From 1998 to 2000, he visited School of Chemistry and Biochemistry in Georgia Institute of Technology, Atlanta, GA, as a Postdoctoral Fellow.

He joined Tokyo University of Agriculture and Technology, Tokyo, Japan, in 2004, where he is currently a Professor with the Graduate School of Bio-Applications and Systems Engineering. His research interests are in mobile robot olfaction and olfactory displays. He has been working on the development of bio-inspired robots for chemical source localization that include terrestrial robots inspired by pheromone tracking flight of moths and underwater robots mimicking active chemical sample collection by crayfish. His recent invention, smelling screen, leads the user of this olfactory display system to perceive an odor as emanating from an LCD monitor screen. He is a member of IEEE, a senior member of Sensors and Micromachines Division in the Institute of Electrical Engineers of Japan, and Asia Regional Chair of International Society for Olfaction and Chemical Sensing.