



**Kuya Takami** is pursuing his Ph.D. in Mechanical Engineering at Virginia Polytechnic Institute and State University (Virginia Tech), USA. He previously earned his B.S. and M.S. at University of Wisconsin-Madison in 2008, and 2011. He works under Computational Multi-physics and Sys-

tems Laboratory, and National Science Foundation funded Center for Tire Research. His primary interests expands in acoustic, and experimental/computational mechanics and robotics fields. He has worked on autonomous driving based on simultaneous localization and mapping, and currently working on non-field-of-view acoustic target localization and noise prediction of the automotive tires.



**Tomonari Furukawa** is a professor at Virginia Tech and Directors of Computational Multiphysics Systems Lab. He received the B.Eng. in Mechanical Engineering from Waseda University, Japan, in 1990, the M.Eng. in Mechatronic Engineering from University of Sydney, Australia, in 1993

and Ph.D in Quantum Engineering and Systems Science from University of Tokyo, Japan, in 1996. He worked at the University of Tokyo, the University of Sydney, and the University of New South Wales as faculty. His research work focuses on inverse analysis and optimization methods in experimental/computational mechanics and robotics. He has published over 250 technical papers and won various early career research awards and paper awards including the most prestigious computational mechanics young investigator award from International Association for Computational Mechanics. He has also led several international competitions and is currently leading Virginia Techs Team VALOR for DARPA Robotics Challenge, which is one of the 11 finalists for the challenge.