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MAE WELCOMES NEW FACULTY



PATRICK MUSGRAVE

Assistant Professor

- Ph.D. degree from Virginia Tech in 2018 and BSC & BSE degrees from the University of Pittsburgh in 2012
- Research Scientist at the US Naval Research Laboratory (NRL) in the Naval Center for Space Technology prior to UF
- Research focuses on adaptive and morphing systems operating in fluidic environments, in particular systems subject to dynamic fluid-structure interactions
- Jerome Karle's Fellow at NRL and received early career funding in the area of bio-inspired underwater propulsion
- DAAD Scholar, having held a post-baccalaureate research position at the Technical University of Munich

JANE JAEJEONG SHIN

Assistant Professor

- Ph.D. and M.S. degrees in Mechanical Engineering from Cornell University Department of Mechanical and Aerospace Engineering
- B.Sc. degree in Naval Architecture and Ocean Engineering in 2017 from Seoul National University, Korea
- Current research interests are in the development of design and control methodologies for autonomous robotic systems equipped with sensors
- Other interests encompass information theoretic learning, computational geometry, motion planning, machine learning and optimization
- Collaborative work with the Naval Surface Warfare Center (NSWC) in Panama City, FL

YU WANG

Assistant Professor

- Postdoctoral associate at the Department of Electrical and Computer Engineering at Duke University
- Ph.D. degree in Mechanical Engineering and M.S. degree in Statistics and Mathematics from the University of Illinois at Urbana-Champaign (UIUC)
- Current interest is on learning-based formal synthesis and verification for system control in unknown environments
- Received the Best Paper Finalist of the ACM SIGBED International Conference on Embedded Software (EMSOFT) and was nominated for the Ph.D. Thesis Award of the Coordinated Science Laboratory of UIUC