

# WELCOME

2018 National Robotics Initiative (NRI)  
Principal Investigators' Meeting

OCTOBER 29 - 30, 2018 | ARLINGTON, VIRGINIA



Peter Kazanzides  
Program Chair

Gregory S. Chirikjian  
Program Co-Chair

# Acknowledgments

- Johns Hopkins University:
  - Russell H. Taylor, Louis L. Whitcomb
  - Jie Ying Wu, Shengnan Lu
  - Ashley Moriarty, Lorrie Dodd
- Vanderbilt University:
  - Logistics Chair: Frankie King
  - Alexis Rodriguez, Amy Karns, Katie Dey
- National Science Foundation (NSF):
  - Dave Miller

# NRI Partners (FY19)

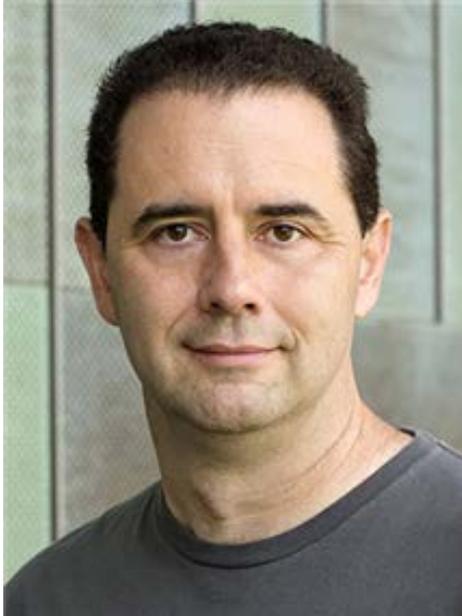
- National Science Foundation (NSF)
- Department of Energy (DoE)
- USDA National Institute of Food and Agriculture
- Department of Defense (DoD)
- National Aeronautics and Space Administration (NASA)

# Industry-Sponsored Reception



# Keynotes

Monday, October 29



The Path to (Human) Perception Engineering

Steve LaValle  
University of Oulu, Finland

Tuesday, October 30



Challenges and opportunities in autonomy:  
lessons from self driving cars

John Leonard  
Massachusetts Institute of Technology, USA

# Meeting Format

- Oral presentations for projects in their final year (39)
  - Final year means that project is scheduled to end before next NRI PI Meeting
    - In most cases, nearly one full year remaining
  - 8 minutes for presentation plus 2 minutes for questions
  - Optional poster
- Poster presentations for all other projects (117)
  - Up to one poster per award for active collaborative projects
  - Optional for projects in no-cost extension
  - Four poster sessions, each 90 minutes

# Next Up

- Dave Miller, Program Director, NSF Division of Information and Intelligent Systems (IIS)
- Irina Dolinskaya, Program Director, NSF Division of Civil, Mechanical & Manufacturing Innovation (CMMI)
- Frank Hearl, Chief of Staff, National Institute for Occupational Safety and Health
- Steve Thomson, National Program Leader, USDA National Institute of Food and Agriculture
- Michael Wolfson, Program Director, NIH National Institute of Biomedical Imaging and Bioengineering (NIBIB)