



# WPI

## WPI Soldier Science Research Symposium: Making Connections with NSRDEC

February 26, 2018

10:00 a.m. – 2:45 p.m.

Rubin Campus Center Odeum, Worcester Polytechnic Institute

### CALL FOR WPI PARTICIPATION AND POSTERS

WPI and the U.S. Army Natick Soldier Research, Development and Engineering Center (NSRDEC) are developing a formal, collaborative partnership to leverage WPI's expertise for stimulating innovation through basic and applied research in areas related to NSRDEC priorities. This Research Symposium is a valuable opportunity for WPI faculty and students to directly engage with NSRDEC scientists and engineers through short talks, poster presentations, and informal discussions on the WPI campus.

#### AGENDA

- 9:30 Poster set-up and coffee
- 10:00 Opening remarks (WPI President Laurie Leshin and NSRDEC Director Douglas Tamilio)
- 10:20 Introduction to NSRDEC research (NSRDEC Chief Scientist Dr. Charlene Mello)
- 10:40 Introduction to WPI research (WPI Vice Provost for Research Dr. Bogdan Vernescu)
- 11:00 Break
- 11:15 Poster presentations by WPI research teams
- 12:15 Networking Lunch
- 12:45 Summary of active collaborations
- 1:15 Break
- 1:30 Poster presentations by NSRDEC
- 2:30 Closing remarks
- 2:45 Conclusion

NSRDEC is the national and international leader in warfighter science and technology development, with a focus on soldier-related research, development and testing and evaluation efforts. If soldiers wear it, eat it, sleep under it, or have it airdropped to them in theater, it can be traced back to the NSRDEC.

Located just 33 miles from WPI at the U.S. Army Natick Soldier Systems Center in Natick, MA, NSRDEC is under the Army's Research, Development and Engineering Command.

NSRDEC scientists and engineers have research interests in many areas, including, but not limited to:

- Aerial delivery, including improving accuracy and survivability of airdropped materials, and autonomous systems.
- Expeditionary maneuver support, including systems to support rigid, soft-wall, and hybrid shelters.
- Soldier protection, including materials science, biosciences, chemical sensing and protection, textiles/fiber sciences, robotics, human sciences, and fire protection.
- Combat feeding, including nutrition for optimized soldier performance, and ration processing and packaging.

WPI faculty and department heads in all areas of science and engineering are encouraged to fully participate in the 2018 Symposium. In addition, WPI faculty, postdocs and graduate students are invited to submit a poster abstract by February 5<sup>th</sup> to [rsi@wpi.edu](mailto:rsi@wpi.edu). To register, visit [WPI RSI Soldier Science Research Symposium](#). For further information, contact Susan Milkman at [rsi@wpi.edu](mailto:rsi@wpi.edu).