

## Panel Session 9:

# PHM for Human Assets

- Dr. Mark M. Derriso (**AFRL**):  
Monitoring the “Human Machine”
- Dr. Thurmon E. Lockhart (**ASU**):  
Nonlinear Methods in Crew Health Performance Monitoring  
“Behavior and Motor Control”
- Dr. Dragan Djurdjanovic (**UT Austin**):  
System Based Modeling and Monitoring of Human  
Neuromusculoskeletal Performance
- **Chair:** Dr. Wolfgang Fink (**UofA**):  
Smart Ophthalmics<sup>©</sup> - An Exemplar of Autonomous Tele-Medicine  
Enabling PHM for Human Assets

# **PHM for Human Assets**

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**Why should we care?**

# Motivation Warfighters





# Motivation Pilots





National Aeronautics and Space Administration



INTERNATIONAL  
**SPACE STATION**  
**EXPEDITION XLV**  
THE SCIENCE CONTINUES



# Motivation Athletes









**Papers solicited now!**