

**Department of Defense  
Human Factors Engineering  
Technical Advisory Group  
Meeting 65**



**2-5 May 2011**

**Host:**

**U.S. Army Natick Soldier Research Development and  
Engineering Center  
Natick, MA**

## Meeting Theme

### Human Dimension as a Starting Point

During capability development, Human Dimension (cognitive, physical, and social components) considerations are often included after the fact or sometimes not at all. This can result in severe system compromises or perhaps even failures. In this meeting we will focus on how we can identify, investigate, and share current and emerging Human Dimension developments, with the goal of more clearly relating to our partners the importance of inserting Human Dimension considerations earlier in the capabilities development process.

#### Background and Details:

The Army's Research Development and Engineering Command has developed a framework to understand, communicate and task organize to solve problems to prioritize Science and Technology (S&T) capability needs to achieve a balanced Soldier S&T portfolio. While this framework may currently be specific to the Army, the principles and processes involved can be applied to all warfighters, homeland defenders, space explorers, air traffic personnel, or any other groups of *Humans* facing complex cognitive, physical and/or social challenges.

This framework crosses a series of Technology Focus Areas (such as Lethality, Sensors and Networks) across various Integration Domains (such as C4ISR, Air, and Ground). Of specific interest to us is the Technology Focus area known as Human Dimension and Training, which is now being regarded by the Army S&T leadership as a technology area as important as traditional areas such as Lethality, Sensors, and Networks.

In this framework the Human Dimension is defined as comprising the cognitive, physical and social components of soldier, leader, organizational development and performance essential to raise, prepare and employ the Army in full spectrum operations.

Using this framework many capability needs have been identified. Among those considered the most pressing are:

- Develop Cognitive, Physical, Social Assessments Capabilities;
- Improve the Acquisition/Selection of personnel;
- Enhance Soldier readiness;
- Rapid Adjustment/Delivery of Training;
- Develop Soldiers, Leaders and Organizations;
- Agile Management and Policy

The common theme across these capability needs is that inserting Human Dimension considerations at the beginning of the process maximizes system effectiveness. As a result, this meeting will focus on work being conducted in this domain with focus on work that falls under the capability areas listed above. In addition we will discuss: current and future system design; S&T research planning; development; test/evaluation; fielding; and other capability need areas as needed.

The end result of this meeting shall be a shared structure within which to influence capability needs developers to insert human dimension considerations as early as possible, leading to faster and more efficient development of highly effective systems. Attendees will come away with a deeper understanding of the human dimension framework, work currently being conducted and work awaiting attention within the human dimension domain.

# PROGRAM SUMMARY

## Department of Defense Human Factors Engineering Technical Advisory Group Meeting 65: 2-5 May 2011 Natick, MA

### **Monday, 2 May**

- 0830 - 1000 Executive Committee meeting
- 1000 - 1100 New member orientation
- 1130 - 1300 Luncheon break
- 1300 - 1700 Plenary Session
- 1800 - 2000 Mixer

### **Tuesday, 3 May**

- 0730 - 0830 Technical Society/Industry
- 0830 - 1100 Human Performance Measurement (formerly Workload and Stress)
- 0830 - 1100 User-Computer Interaction
- 0830 - 1100 Human Factors Standardization, Part I
- 0930 - 1000 Networking, coffee
- 1100 - 1230 Luncheon Break
- 1230 - 1430 Human Modeling and Simulation
- 1230 - 1430 Human Factors Standardization, Part II
- 1230 - 1430 HFE/HSI: Management and Applications, Part I
- 1430 - 1500 Networking, coffee
- 1500 - 1700 Human Factors Test and Evaluation
- 1500 - 1700 Human Factors in Training
- 1500 - 1700 HFE/HSI: Management and Applications, Part II

### **Wednesday, 4 May**

- 0815 - 1230 Tour of Natick Labs
- 1230 - 1330 Lunch
- 1330 - 1530 Design: Tools and Techniques
- 1330 - 1530 Unmanned Systems Interest Group, Part I
- 1530 - 1700 Service Caucuses
- 1830 - 2200 Social

### **Thursday, 5 May**

- 0730 - 0830 Cognitive Readiness Interest Group
- 0830 - 1100 System Safety/Health Hazards/Survivability
- 0930 - 1000 Networking, coffee
- 1100 - 1230 Luncheon Break
- 1230 - 1430 Human Factors in Extreme Environments
- 1230 - 1430 Unmanned Systems Interest Group, Part II
- 1430 - 1500 Networking, coffee
- 1500 - 1700 Operating Board Meeting

*\* The Sustained/Continuous Operations, Controls and Displays, and Personnel Selection and Classification subTAGs will not meet at TAG-65.*

# SESSIONS

## **MONDAY, 2 MAY** *(meeting rooms are subject to change)*

### **Executive Committee – 0830 – 1000 – East Hampton**

Executive Committee members only. Others by invitation of the Chair, Dr. Pamela Savage-Knepshield

### **New Member Orientation – 1000 – 1100 – East Hampton**

**Luncheon Break – 1100 – 1300** (An American Deli lunch buffet is available in the lower café restaurant at the Crowne Plaza for \$12.00 per person)

### **Plenary Session – 1300 – 1630 – South/West Hampton**

TAG Welcome

- Dr. Pamela Savage-Knepshield  
TAG Chair  
ARL-HRED Chief, Human Factors Integration Division

Welcome to the U.S. Army Natick Soldier Research, Development and Engineering Center (NSRDEC)

- Dr. John (Jack) Obusek  
Director  
NSRDEC

Soldier Systems Integration Domain and the Human Dimension

- Ms. Dianne St. Jean  
Acting Associate Director  
NSRDEC

HSI in the Trenches: On Assignment in Iraq

- Dr. Pamela Savage-Knepshield  
TAG Chair  
ARL-HRED Chief, Human Factors Integration Division

Air Force and the Human Dimension

- Mr. Jack Blackhurst  
Director, Human Effectiveness Directorate  
711th Human Performance Wing

Navy and the Human Dimension

- LCDR Joseph Cohn, PhD  
Military Deputy  
Human and Bioengineered Systems Division Office of Naval Research

OSD HSI Perspective

- Dr. Patrick Mason, Ph.D.  
Director, Human Performance, Training, and BioSystems Research Directorate  
Office of the Assistant Secretary of Defense (R&E)

**Networking/Coffee – 1440 – 1510** *(subject to change based on length of presentations)*

**TAG Mixer – 1800 – 2000 – Hawthorne Ballroom**

**Technical Society/Industry – 0730 – 0830 – West Hampton**

All interested parties please join us in welcoming the TAG's new OSD proponent, Dr Patrick Mason. A member of the Senior Executive Service, he leads the Human Performance, Training and BioSystems Research Directorate, Office of the Assistant Secretary of Defense (Research and Engineering). Dr Mason and Deputy Director Captain Dylan Schmorrow will hold an interactive session that will focus on:

- How the TSI SubTAG can best support the HP/T/BS Directorate
- Joint Perspective on HSI
- News from JHSIWG
- What industry needs from government to ensure HSI in acquisition programs

**Human Performance Measurement – 0830 – 1100 – West Hampton**

Introduction/Overview

- SubTAG Co-Chairs

Long Duration, Low Task Load Effects on Procedural Human Supervisory Control

- Kristopher Thornburg  
MIT

Subjective Multidimensional Workload Index for Distributed Teams: Development Program for the Team Subjective Assessment of Workload (T-SAW)

- Sandro Scielzo  
SA Technologies

A Network Science Analysis and Visualization of the Human-Dimension of Mission Command

- Norbou Buchler  
Army Research Lab Human Research & Engineering Directorate (Cognitive Sciences Branch)

Positive Mood & Heart Rate Variability: Their Impact on Decision Making Under Time Pressure

- Eleanor Loiacono and Dr. Soussan Djamasbi  
Worcester Polytechnic Institute

Wrap-Up & Presentations

- SubTAG Co-Chairs

**User-Computer Interaction – 0830 – 1100 – South Hampton**

Development of an Objective Analysis Method for Mockups: PARADIGM (Productivity Analysis & Refinement Approach to Defining Issues with GUI Mockups)

- Beth Atkinson, Research Psychologist  
Naval Air Warfare Center Training Systems Division

TacDroid: A Tactical Android System for the Battlefield Airman

- Emily Vincent  
Draper Laboratory

Development and Initial Validation of a Predictive Model of SA for Tower Controllers

- Laura Strater  
SA Technologies, Inc

Building Consensus Design with the Collaborative Story Development Kit

- Julia McHugh and Stephen Cunha  
MITRE Corporation

**Human Factors Standardization, Part I – 0830 – 1100 – East Hampton**

Introduction of Attendees

*Status Reports*

- MIL-STD-1472, Human Engineering
- MIL-STD-2525, Common Warfighting Symbology
- NASA-STD-3001, NASA Space Flight Human Systems Standard
- FAA Human Factors Design Standard
- Flight Symbology Working Group
- MIL-STD-1787, Aircraft Display Symbology
- Update of Data Item Descriptions
- Reinstating MIL-STD-46855

*Presentations*

ANSUR II: Anthropometric Models to Optimize the Human Systems Interface

- Claire Gordon  
US Army NSRDEC

Standards in Modeling and Simulation

- Andrew Collins  
Virginia Modeling, Analysis and Simulation Center, Old Dominion University

An Overview of the New England Chapter of the Human Factors and Ergonomics Society

- Eric Jones  
Aptima Corporation

CDRL Evaluation Tool

- Suzanne Dawes  
The Aerospace Corporation

**Networking/Coffee – 0930 – 1000**

**Luncheon Break – 1100 – 1230 (An Italian lunch buffet is available in the lower café restaurant at the Crowne Plaza for \$12.00 per person)**

**Human Modeling and Simulation – 1230 – 1430 – South Hampton**

Medical Simulation; Mannequin Demonstration

- Charles Carey  
Gaumard Scientific

Medical Simulation; Catching Up with Aviation

- Michael A. Ricci  
Vermont Air National Guard

Algorithm Development for Predictive Modeling of Human Performance in the Presence of Environmental Stressors

- Marianne Paulsen  
Naval Air Warfare Center Training Systems Division

Biomechanical and Physiological Validation of the Omni-Directional Treadmill as a Mobility Platform for Immersive Simulations

- Kathy L. Kehring  
US Army Research Laboratory

Configurable Synthetic and Merged Environment Laboratory

- Gregory O. Gibson  
Naval Research Laboratory

Modeling and Simulation Business Meeting

**Human Factors Standardization, Part II – 1230 – 1430 – East Hampton**

*Presentations*

CDRL Evaluation Tool Demonstration

- Suzanne Dawes  
The Aerospace Corporation

A Draft Human Systems Integration Standard Document

- Bill Kosnik and Becky Singer  
711 HPW/HPO; SURVIAC/Booz Allen Hamilton

SPAWAR Human Systems Integration Policy

- Presenter TBD

Occupant Centric Survivability

- Dawn Woods  
Army NSRDEC

Impact of Acquisition Reform on Human Factors Standardization

- Alan Poston  
HFES

*Other Business*

- Re-publishing of the Human Engineering Design Data Digest (Pocket Guide)
- Language for MIL-HDBK-1908, Definition of Human Factors Engineering
- MIL-STD-1472 Checklist

**HFE/HSI: Management and Applications, Part I – 1230 – 1430 – West Hampton**

T&E in HSI Management

- Jeffrey Thomas  
Army Test and Evaluation Command

Offshore Patrol Cutter: Integrating the Human Dimension from the Start

- Dawn M. Grey  
USCG Human Systems Integration for Acquisitions Division (CG1-B3)

HSI Throughout the Defense Acquisition Cycle: From JCIDS to Acquisition

- Lisa Kaminski and Carol Blankenship  
SURVIAC/Booz Allen Hamilton; Air Force 711 HPW

Other Business

**Networking/Coffee – 1430 – 1500**

**Human Factors Test and Evaluation – 1500 – 1700 – South Hampton**

Use of the Test and Evaluation Framework for HSI

- John Plaga and John Maziarz  
AF 711th Human Performance Wing and SURVIAC/Booz Allen Hamilton

Investigating Effects of Different Lighting Technologies on Soldier Cognition and Affective State

- Breanne Hawes  
US Army NSRDEC

The HSI Demonstration as the Capstone HFE T&E Objective

- Dennis Folds, Ph.D, and C.J. Hutto  
Georgia Tech Research Institute (GTRI)

Objectives-centric Test Planning: A Human-Centered Approach to HSI T&E

- C.J Hutto and Carrie Bell  
GTRI

Discussion: User Input in Developing a MIL-STD-1472 Checklist

- Led by Alan Poston  
HFES

**Human Factors in Training – 1500 – 1700 – East Hampton**

Scout or Sentinel: the Role of Relationship in Virtual Teams

- David Lamp  
JFCOM

Virtual Technologies and Training Assessment Process (VTTAP)

- John Plaga  
AFRL 711 HPW/HPO

Cognitive Readiness Trainer (CR-Trainer) for Promoting Team Effectiveness

- Cheryl A. Bolstad  
SA Technologies

Mission Briefing, Planning, and After-Action Review in Distributed Simulation

- Peter Crane  
AFRL 711 HPW/RHA

**HFE/HSI: Management and Applications, Part II– 1500 – 1700 – West Hampton**

Update from the Technical Society/Industry subTAG

- Steve Merriman  
Boeing

Applying HSI to Enterprise Architecture Development: A Discussion

- Glen Hewitt  
Federal Aviation Administration

**Tour of the Natick Labs – 0815 – 1230**

- **Meet in the hotel lobby to begin boarding the bus at 0815, and depart at 0830 SHARP.**
- **Please bring government issued photo ID as proof of citizenship and wear comfortable shoes. NO cameras are allowed.**
- **If you have NOT pre-registered for the tour you will NOT be allowed to board the bus. Please confirm with the registration desk or the list on the bulletin board that you are confirmed.**
- **This tour can accommodate a maximum of 45 people.**

The tour will include multiple venues within the Natick Soldier Research Development and Engineering Center and the Soldier Systems Center. Of specific interest to many TAG attendees will be the 3-D Anthropometric Scanner used to model the warfighter and his/her equipment in 3 dimensions; The Doriot Climatic Chambers and their use in research about the physiology of the U.S Soldier; and finally, a look inside the Pilot Plant where new recipes for warfighter feeding are developed and the Navy Lab where Navy Galleys of the future are designed - there may even be an opportunity to sample warfighter foods! Other venues may be included as available.

You will be split up into four groups for this tour. You will receive a color group assignment as you board the bus.

**Luncheon Break – 1230 – 1330 (An Mexican lunch buffet is available in the lower café restaurant at the Crowne Plaza for \$12.00 per person)**

**Design: Tools and Techniques –1330 – 1530 – South Hampton**

Human Systems Research in NASA's Aviation Safety Program

- Michael Feary  
NASA – Ames Research Center

Human Modeling in System Development: History, Status and Future

- Stephen Merriman  
Boeing

Business Meeting

- Review Charter, Emerging Topics, Current Interests

**Unmanned Systems Interest Group, Part I – 1330 – 1530 – West Hampton**

Setup/Welcome

Workload Analysis for the Control of Multiple Remotely Piloted Aircraft

- Michael Miller  
Air Force Institute of Technology

UAS GBSAA Collaborative Experiment: Final Report

- Jill Drury  
The MITRE Corporation

Unmanned Systems Business Meeting

- Ajoy Muralidhar  
Unmanned Systems Group Chair

Session Wrap Up

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## **WEDNESDAY, 4 MAY** *(continued)*

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### **Technical Society/Industry – 1530 – 1700 – West Hampton**

Theme: Advances in Contract Language to Support HSI in Acquisition

- Steve Merriman, Boeing
- Lisa Kaminski, SURVIAC/Booz Allen Hamilton

### **Army Caucus – 1530 – 1700 – South Hampton**

### **Air Force Caucus – 1530 – 1700 – North Hampton**

### **Navy Caucus – 1530 – 1700 – East Hampton**

### **NASA – 1530 – 1700 – TBD**

### **DHS Caucus – 1530 – 1700 – Harvard Boardroom**

### **Social – 1830 – 2200**

Our social event will be at the Wayside Inn on Wednesday evening, 4 May 2011 starting at 1800. Please meet in the **lobby** of the Crowne Plaza **no later than 1800** to board the charter bus. The cost is \$50.00/per person, and **cash only** is accepted on site. Please be sure to register on our website under the social tab if you are attending and any additional folks you would like to join us.



Longfellow's Wayside Inn—a nationally significant Massachusetts Historic Landmark—is the oldest Inn still operating in the United States and has been serving travelers along the old Boston Post Road for almost 300 years. What began as a two-room home in 1707, the Howe family ran a successful tavern and innkeeping business on this site from 1716 to 1861. They offer outdoor sites, a gift shop and we will be dining in their ballroom. Please visit [www.wayside.org](http://www.wayside.org) for more information on Wayside Inn.

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## **THURSDAY, 5 MAY** *(meeting rooms are subject to change)*

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### **Cognitive Readiness Interest Group – 0730 – 0830 – Harvard Boardroom**

**\*\*THIS SESSION IS BY INVITATION OF THE CHAIR, KATRINA MAY, ONLY\*\***

Welcome & Sign-in

- Katrina A. May  
ARL-HRED

Progressing From Phase I to Phase II:

- CAPT Dylan Schmorrow  
OSD, Human Performance, Training and BioSystems

HSBC & COGR PHASE I SBIR Updates

### **System Safety/Health Hazards/Survivability – 0830 – 1100 – West Hampton**

Analyzing Human Factors Information from Soldier Autopsies to Improve Protective Equipment

- Dori Franco  
Medical Examiner for the Armed Forces Institute of Pathology (AFIP)

Current Efforts Using AFIP and Other Information to Design Future Combat Vehicles to Enhance Survivability

- Dawn Woods  
Human Factors Engineer, NSRDEC, Acting Lead, Soldier Domain Integrated Product Team (IPT) Occupant Centric Survivability

SubTAG Business

- Nominations and selection of new Chair and Co-Chair for System Safety/Health Hazards/Survivability

### **Networking, coffee – 0930 – 1000**

**Luncheon Break – 1100 – 1230 (An Asian lunch buffet is available in the lower café restaurant at the Crowne Plaza for \$12.00 per person)**

### **Human Factors in Extreme Environments – 1230 – 1430 – South Hampton**

Setup and Welcome

A Comparison of Near Infrared and Shortwave Infrared in a Low-Light Level Environment

- LT Brian R. Johnson  
Naval Air Warfare Center Aircraft Division

The Effect of Chemical Protective Clothing, Benadryl, and Exercise on Cognition, Mood, and Physiology

- Diane Williams  
Naval Health Research Center

Applicability of HFE in Extreme Environments to Current Events (e.g., Chilean Miners' Accident, Recent Events in Japan)

- Sub-TAG Team, Moderated Discussion

Closing Comments / Session Wrap Up

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## **THURSDAY, 5 MAY** *(continued)*

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### **Unmanned Systems Interest Group, Part II – 1230 – 1430 – West Hampton**

Setup and Welcome

Supervisory Control Of Robots Using Roboleader: Effects Of Automation Reliability And Individual Differences”

- Jessie Chen  
U.S. Army Research Laboratory,

Demonstrating Human Supervisory Control Of A Micro Aerial Vehicle In An Outdoor Environment

- Kim Jackson  
Massachusetts Institute of Technology

Relevance Of Task Switching, Incongruence, And Task Type To Adaptive Automation

- Lauren Reinerman-Jones  
University of Central Florida (UCF),

Closing Comments / Session Wrap Up

**Networking, coffee – 1430 – 1500**

**Operating Board – 1500 – 1700 – South Hampton**

**Adjourn – 1500**

## EXECUTIVE COMMITTEE

Chair (Army)	Dr. Pamela Savage-Knepshield	(732) 427-3854 DSN 987 <a href="mailto:pam.savageknepshield@us.army.mil">pam.savageknepshield@us.army.mil</a>
Vice Chair (Navy)	CAPT Dylan Schmorrow	(703) 588-7404 <a href="mailto:Dylan.schmorrow@osd.mil">Dylan.schmorrow@osd.mil</a>
Immediate Past Chair (Air Force)	Mr. Darren Cole	(661) 277-4939 <a href="mailto:darren.cole@edwards.af.mil">darren.cole@edwards.af.mil</a>
Army Representative	Ms. Dawn Woods	(508) 233-5069 <a href="mailto:dawn.woods@us.army.mil">dawn.woods@us.army.mil</a>
Navy Representative	LCDR Jefferson Grubb	(407) 380-4243 <a href="mailto:Jeff.grubb@navy.mil">Jeff.grubb@navy.mil</a>
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NASA Representative	Ms. Cynthia Null	(650) 604-1260 <a href="mailto:Cynthia.h.null@nasa.gov">Cynthia.h.null@nasa.gov</a>
FAA Representative	Dr. Thomas McCloy	(202) 267-7167 <a href="mailto:tom.mccloy@faa.gov">tom.mccloy@faa.gov</a>
DHS Representative	Dr. Janae Lockett-Reynolds Mr. Darren Wilson	(202) 254-6611 <a href="mailto:janae.lockett-reynolds@dhs.gov">janae.lockett-reynolds@dhs.gov</a> (202) 254-6657 <a href="mailto:darren.wilson@dhs.gov">darren.wilson@dhs.gov</a>
TAG Coordinator	Ms. Sheryl Cosing	(703) 925-9791 <a href="mailto:cosing_sheryl@bah.com">cosing_sheryl@bah.com</a>
Conference Coordinator	Ms. Janet Malone	(937)781-2826 <a href="mailto:malone_janet@bah.com">malone_janet@bah.com</a>

## SUBTAG CHAIRS

Controls and Displays	Ms. Marianne Paulsen	(407) 380-4743 <a href="mailto:marianne.paulsen@navy.mil">marianne.paulsen@navy.mil</a>
	Maj Keith Higginbotham	(850) 499-7414 <a href="mailto:keith.higginbotham@hurlburt.af.mil">keith.higginbotham@hurlburt.af.mil</a>
Design: Tools and Techniques	Mr. Stephen Merriman	(972) 344-2017 <a href="mailto:stephen.c.merriman@boeing.com">stephen.c.merriman@boeing.com</a>
	Dr. Michael Feary	(650) 604-0203 <a href="mailto:Michael.s.feary@nasa.gov">Michael.s.feary@nasa.gov</a>
Human Factors Engineering / Human Systems Integration: Management and Applications	Dr. John Warner	(703) 695-5820 DSN 225 <a href="mailto:john.warner1@us.army.mil">john.warner1@us.army.mil</a>
	Maj Jeff Scott	(703) 681-6300 <a href="mailto:Jeffrey.scott@pentagon.af.mil">Jeffrey.scott@pentagon.af.mil</a>

## **SUBTAG CHAIRS** *(continued)*

Human Factors in Extreme Environments	Ms. Mirhiban Whitmore Mr. Ajoy Muralidhar	(281) 244-1004 <a href="mailto:mihriban.whitmore-1@nasa.gov">mihriban.whitmore-1@nasa.gov</a> (540) 284-0701 <a href="mailto:ajoy.muralidhar@navy.mil">ajoy.muralidhar@navy.mil</a>
Human Factors in Training	Dr. Brooke Schaab Dr. Peter Crane	(757) 203-3306 <a href="mailto:brooke.schaab@us.army.mil">brooke.schaab@us.army.mil</a> (480) 988-6561x287 <a href="mailto:peter.crane@mesa.afmc.af.mil">peter.crane@mesa.afmc.af.mil</a>
Human Factors Standardization	Mr. Alan Poston	(410) 922-7725 <a href="mailto:aposton86@comcast.net">aposton86@comcast.net</a>
Human Factors Test and Evaluation	Ms. Amanda Bandstra Mr. Bruce Hunn	(850) 235-5978 <a href="mailto:amanda.bandstra@navy.mil">amanda.bandstra@navy.mil</a> (520) 538-4701 DSN 879 <a href="mailto:bruce.hunn@us.army.mil">bruce.hunn@us.army.mil</a>
Human Modeling and Simulation	LT Gregory Gibson Mr. John Rice	(202) 767-9004 <a href="mailto:gregory.gibson@nrl.navy.mil">gregory.gibson@nrl.navy.mil</a> (757) 318-0671 <a href="mailto:Johnrice.ssih@noboxes.org">Johnrice.ssih@noboxes.org</a>
Human Performance Measurement	LCDR Jefferson Grubb Ms. Rahel Rudd	(407) 380-4243 <a href="mailto:Jeff.grubb@navy.mil">Jeff.grubb@navy.mil</a> (937) 255-1675 <a href="mailto:Rahel.rudd@wpafb.af.mil">Rahel.rudd@wpafb.af.mil</a>
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Sustained/Continuous Operations	LCDR Walter Carr Dr. Thomas Nesthus Mr. Matthew Yanagi	(301) 319-7681 <a href="mailto:walter.carr@med.navy.mil">walter.carr@med.navy.mil</a> (405) 954-6297 <a href="mailto:tom.nesthus@faa.gov">tom.nesthus@faa.gov</a> (619) 553-7562 <a href="mailto:yanagi@spawar.navy.mil">yanagi@spawar.navy.mil</a>
System Safety/Health Hazards/Survivability	Mr. Ben Gibson	(210) 221-1622 <a href="mailto:Ben.gibson@us.army.mil">Ben.gibson@us.army.mil</a>
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User-Computer Interaction	Mr. John Taylor	(850) 234-4515 <a href="mailto:John.k.taylor3@navy.mil">John.k.taylor3@navy.mil</a>
Cognitive Readiness Interest Group	Ms. Katrina May	(410) 278-5856 DSN 298 <a href="mailto:katrina.may@arl.army.mil">katrina.may@arl.army.mil</a>
Human Factors in Unmanned Systems Interest Group	Mr. Ajoy Muralidhar	(540) 284-0701 <a href="mailto:ajoy.muralidhar@navy.mil">ajoy.muralidhar@navy.mil</a>

## Map of the Crowne Plaza – Natick Meeting Space

