

NAVAL AIR WARFARE CENTER
TRAINING SYSTEMS DIVISION
ORLANDO FLORIDA



Team Orlando Partnerships In Virtual Worlds

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NAWCTSD
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Report Documentation Page

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Virtual World Partnerships

Empirical Research

- **Federal Virtual World Challenge**
- **Theme: Training**
- **Air Force: Mars Expedition Challenge**
- **Validating the Technology**
- **Reverse Engineering**
- **Design Document, Story Board**
- **3 Modalities**

Text vs Web vs Virtual World

FVWC

Federal Virtual Worlds Challenge

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Challenge

The Federal Virtual World Challenge is an event led by the U.S. Army Research, Development and Engineering Command, Simulation and Training Technology Center. This event is being conducted in order to reach a global development community to provide innovative and interactive training and analysis solutions in virtual worlds. The event criterion is intentionally unbounded to allow for creative solutions. This challenge is intended to explore the possibilities for using virtual worlds that have not, and may not have, ever been considered by the Government.

The inaugural event is being conducted in 2009 with the winners being announced during March 2010 *Defense Users' Game Tech Conference* in Orlando, Florida. The deadline for submittals is November 15, 2009. Entries will be sorted into logical categories upon receipt. The Federal Government evaluation period will run through January with a public feedback period running through February.

Description

The focus of the challenge is training or analysis capabilities conducted wholly in a virtual environment. The audience includes all United States Government Departments and Agencies, including (but not limited to) Department of Defense (DoD), Department of Homeland Security (DHS), Department of Transportation (DOT), National Aeronautics and Space Administration (NASA) and Department of Health and Human Services (HHS).

The Challenge is open to all contestants. Contestants 18 and under must get written parental consent (for a consent form email

MISSION STATUS

READY

MISSION CLOCK

0:00:00

HOUR

MINUTE

SECOND

Expedition Challenge-Based Learning Beyond Earth Orbit: Journey to Mars



Learning! Welcome too Expe



Virtual World Partnerships

- **NAWCAD Strategic Cell**
 - 20 focus areas for next 3-5 years
 - 3D Immersive Environments
- **VW Prototype**
 - Second Life Main Grid
 - Island per major location
 - Horizontal Integration of resources



NAWOTSD

Power Through
University students collaborate
to solve environmental & engineering
challenges through competition. Single day
events bring together students and
professionals to work together and
innovate.





Virtual World Partnerships

Academia

- **Guest Lectures**
- **Workshops**
- **Virtual Space**
- **Science of Learning leveraging Technology**
- **21st Century Learner**
- **Team Orlando Co-Presentations**

Seminole County Community College

University of Central Florida

Colorado Technical University

Stanford University

The College of New Jersey



Formal learning spaces

Informal learning spaces

Mass learning

Personalised learning

Competitive

Collaborative learning & assessment

Restricted & constructed

Creative & extended

Instruction

Personal author & innovator

Content

Knowledge & understanding


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EVENTS & OPPORTUNITIES

SIME SEMINAR SERIES

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NEWS

The Education Institute of the Department of Surgery at Stanford is reaccredited as a Level I Education Institute



Virtual Patients and Worlds

Desktop computers allow multiple participants to interact simultaneously with the same patient in a common "virtual world". The virtual world is typically presented as a 2D perspective world. Each participant has an "avatar" that represents them in the virtual world. Your avatar can interact with the other participants, who may take on different clinical roles in the clinical world that is created.

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Real Training from Simulated Experiences



Virtual World Partnerships

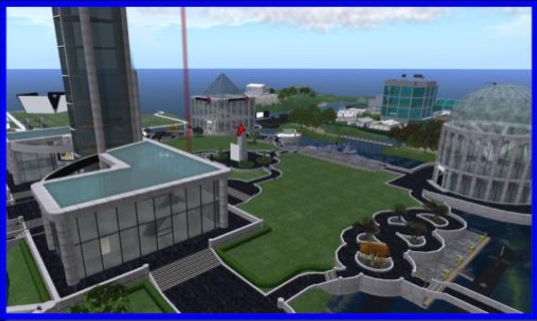
Additional

- **GameTech 11**
- **FVWC11: New Theme**
- **MiLands**
- **Serious Games and Showcase Challenge**
- **DAU – US Nexus - IPT Training**

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09 November 2009





Questions?