



THE NATIONAL CENTER
FOR SIMULATION

***EDUCATION AND WORKFORCE DEVELOPMENT COMMITTEE
MEETING MINUTES***

10 February 2016

Members Present: Dr. Jeff Bindell (FHTCC), Karen Connors (Quality Project Control) , Chris Crawley (Boy Scouts of America), CarolAnn Dykes (UCF), Dr. Bill Gaught (Seminole State College), Brandon Gawel (Boy Scouts of America), Dr. Steve (Flash) Gordon (GTRI), Dr. Demetria Hayes (SCPS), Carla Hoskins (NCS), Dr. Cap Jadonath (OCPS), Mike Kalaf, Michael Kazazis (Rollins College), Dan Ketchen (Technology Tap), Alan Lynch (OCPS), Gloria McGarvey (OCPS), Dr. Kristy Murray (Team Orlando), N.Y. Nathiri (PEC), Hank Okraski (NCS), Kelli Plumley (Cubic Corp.), Joshua Snyder (Rollins College), Lindsey Spalding (SCPS), Shane Taber (Engineering and Computer Simulations), Phil Tillery (OCPS), Jesse Walker (SCPS), Ariza Wilson (VA SIMlearn).

Meeting agenda follows the meeting minutes.. Meeting minutes and presentations will be posted on the NCS website:

www.simulationinformation.com

ACTIVITIES AND DISCUSSIONS:

A. Status of Ed&WD Committee Activities-

Hank Okraski, Committee Chairman, reported on the most recent activities of the committee. (Attachment A). They are summarized as follows:

- Participated in I/ITSEC techPATH/America's Teachers Session and STEM Booth : featuring Golfview ES & M&S Certification Program
- Contract awarded Certification Partners (CP) Exam questions (100) provided CP. Exam on line for Florida students . Cost is \$50.00/student (CAPE Funding). No cost to teachers first year. Next year, plan to go nation-wide
- Attended techPATH/ FHTCC Annual Meeting at Lake Nona
- Met with Rollins College (Crummer School) regarding MBA Program for Veterans-involving simulation industry
- Hardware/Software needed at Daytona State College (DSC)
- Preparing for Crooms AOIT TechFest X in March 2016 (NCS a Support Organization) ECS Featured
- Working with Zora!!STEM planners (NCS a Support Organization)
- Planning for Launch Site STEMulation Expo on 26 Feb 2016(NCS Support)

- Served on various Advisory Boards
- Working closely with Hagerty High School and Orange Technical College
- Met with UCF Modeling & Simulation Knights (MaSK)/Hagerty HS & SCPS
- Preparing for 2016 M&S Hall of Fame(Gen Sullivan, Bill Waite & Ralph Baer)

B. Seminole County M&S Implementation Status

Lindsey Spalding, Lead M&S Teacher at Hagerty High School, brought the committee up to date with the following accomplishments (Attachment B):

- Initial contact with UCF Modeling & Simulation Knights (MaSK) Club of graduate students pursuing advanced degrees in M&S. Excellent opportunity for Hagerty and UCF.
- Planning with middle school feeders to streamline e-pathway
- Community Outreach Club
- Formed Girl Code Club
- Female HHS students taught a girls' STEAM Camp for middle school girls
- Participated in middle school STEAM night
- Collaboration with 3D Fine Arts teacher

C. TechPath/STEM Connect

Dr. Jeff Bindell briefed the group on techPATH events and the availability of a valuable classroom resource, STEMconnect, the ability to bring experts into the classroom. (Attachment C). Both programs are under the aegis of the Florida High Technology Corridor Council. There is no cost to the teachers for the STEMconnect experience.

D. Veterans MBA Program-Rollins College

Joshua Snyder of the Rollins College Crummer School presented a new and attractive program whereby veterans can earn an MBA from Rollins College with a flexible schedule, while employed by a simulation company.(Attachment D).

E. Central Florida Scouting

Brandon Gawel and Chris Crawley presented information about scouting activities and are looking for ways to get simulation companies involved in scouting. (Attachment E). Committee members offered suggestions.

F. ZORA!STEM Activities

Dr. N.Y. Nathiri, P.E.C., gave a summary of the recent ZORA STEM program at Valencia College. She reported that the students were engaged and the feedback on the program excellent. She also mentioned that a Memorandum of Understanding (MOU) between UCF and P.E.C. is being drafted to establish Eatonville, Florida as a "crucible" of STEAM implementation for the nation.

G. New Business

*Dr. Cap Jadonath, Orange Technical College, announced that the STEMulation Expo will take place at the Mid-Florida Campus (Launch Site) on Friday, 26 February 2016. Demonstrations by industry are being arranged as well as the open house for students, teachers, industry members, etc to tour.

* CarolAnn Dykes briefed the committee on events planned by the Central Florida STEM Council as follows:

1. Announced the addition of 3 new Directors on the Board:

Alice Collier, Florida Hospital
Teresa Crews, Universal Orlando
Edward Logue, Vision Engineering

2. The 1st quarter Council event has been merged with the upcoming STEMulation Expo at Orlando Tech – Mid Florida Campus to provide support for that event.
3. The Council participated extensively in I/ITSEC 2015 managing the STEM Pavilion, conducting a project-based learning workshop for 75 teachers from 7 counties, and presenting a paper. Work has already begun on planning for STEM at I/ITSEC 2016.

* Discussion about scheduling students to tour I/ITSEC.. Dr. Christy Murray, Team Orlando STEM Coordinator, indicated that she has already received requests from schools for this year's conference. A better system is required for school selection. Bill "Roto" Reuter has volunteered to take on the task of student participation at I/ITSEC.

* Hank requested assistance with the M&S Hall of Fame website to make the written material more uniform. Dan Ketchen volunteered to help NCS with that task.

H. Facility Tour

Alan Lynch organized and conducted a tour of the new Launch Site at the Mid-Florida Campus. The Launch Site has the largest motion capture system in Florida. They are seeking to build partnerships with industry members and other organizations.

I. Meeting was Adjourned



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**EDUCATION AND WORKFORCE DEVELOPMENT COMMITTEE
MEETING**

Wednesday, 10 February 2016, 3-5 PM

Orange Technical College, Mid Florida Campus, (Launch Site-Building 1600),
2900 W Oak Ridge Rd., Orlando, FL 32809

AGENDA

<u>TOPIC</u>	<u>FACILITATOR</u>
Welcome & Introductions (5)	Hank Okraski (NCS Board)
Welcome to the M&S Launch Site (5)	Dr. Cap Jadonath (OCPS)
Committee Activities(10)	Hank Okraski
Seminole County M&S Implementation (15)	Lindsey Spalding (SCPS)
TechPath/ STEM Connect (10)	Dr. Jeff Bindell (UCF/FHTCC)
Rollins College- Veterans MBA Program (15)	Joshua Snyder (Rollins) Michael Kazazis (Rollins)
Central Florida Scouting & Opportunities (15)	Brandon Gawel (District Ex.,B)
ZORA! STEM Activities (10)	Dr. N.Y. Nathiri (P.E.C.)
Old Business (I/ITSEC Feedback) (10)	All
New Business & Announcements (10) STEMulation EXPO at Launch Site Central Florida STEM Council	Hank Okraski & All Dr. Cap Jadonath CarolAnn Dykes (UCF)
Tour of OTC Launch Site (30)	Alan Lynch (OCPS)
Adjourn	

