



National Center for Simulation (NCS)

EDUCATION AND WORKFORCE DEVELOPMENT COMMITTEE MEETING MINUTES

12 February 2014

Members Present: Fernando Barroso (), Dr. Jeff Bindell (FHTCC), Misuzu Bondoc (SDHC), Larry Brinson (HVS), Laura Burk (GPM), Tracey Conner (Mischelee Puppets), Clayton Donnan (SCPS), Perry Dunn (ATT), CarolAnn Dykes (UCF), Bob Edge, Mac Griffith (Boy Scouts of America), Steve Gray (SoundQuest), Randy Hauck, Lyn Higgins (SCPS), Anika Holmes (WCFL), Jason Irving (Engenium), Mike Jones (OCPS), Sharon Kassin, Shannon Kussin, Scott Kidd (AGNISTEM), Chris Luczywo (First), Alan Lynch (OCPS), Peter McCormick (OCPS), Cathy Matthews (Systems Engineering, Inc.), N.Y. Nathiri (PEC), Jeanne Neff (OCPS), Hank Okraski (NCS), Ali Notash (Valencia), Kelli Plumley (Cubic), Abdul Siddiqui (PEOSTRI), Sunny Simmonds (NAWCTSD), Marc Stanakis (Jobs Partnerships), Janet Steuart (SDHC), Rita Skyers (SDHC), Terry Sylvester (Secure Health Systems), Mike Theis (OCPS), Phil Tillery (OCPS), Carol Tingley (OCPS), Stacey Wade (Central Fair), Jesse Walker (SCPS), Shirley Walker (CareerSource CF), John Wright (OCPS), Dr. Jason Wysong (SCPS), Deb Yeagle (A-T Solutions)

Meeting agenda is attached. 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. They are as follows:

- Attended I/ITSEC. NCS STEM Booth occupied by OrlandoTECH
- Participated in CFHTCC techPath Program at I/ITSEC
- Briefed Orange County Virtual Schools in Orlando
- Briefed NCS member company (Dignitas)
- Met with SCPS to develop Hagerty HS M&S Program. Reworking framework for CY 15-16 school year
- Working M&S Hall of Fame
- High School M&S Certification Program Subcommittee
- Met with Community After School Group 14 Jan 2014
- Met with SCPS (Dr. Jason Wysong) to discuss possible new approaches for recruiting HS STEM teachers
- Briefed Monroe MS in Hillsborough County at their request
- CROOMS AOIT TechFEST scheduled for 13 March 2014
- Assisted in Zora STEM Festival

B. techPATH Status-

Dr. Bindell discussed the major techPATH programs and, in particular, spoke about the stemCONNECT program which is about to go live. This is a Florida High Tech Corridor Council Program to connect students with high tech experts. There was interest in the program. For more information visit www.flssystemconnect.com

C. Hagerty High School Modeling and Simulation Frameworks-

Dr. Jason Wysong (SCPS) and Jesse Walker, Hagerty High School , briefed the committee, reporting that the current status of the Modeling and Simulation DOE Framework is “On Hold”. In 2010, NCS put together a team of teachers, government and industry experts to develop the M&S Curriculum and the M&S DOE Curriculum Frameworks. The frameworks were written using a mix of the available standards. At the time, these standards included Next Generation Sunshine State Standards, Common Core State Standards and others. In January, a meeting was held between M&S Teachers and administrators from Hagerty High School, the SCPS Director of ePathways, SCPS curriculum specialists and a representative from NCS (Hank Okraski) . It was determined that more work needed to be done to both format and align current standards within the frameworks. We have identified June 2nd through June 5th as a possible work week to revise the frameworks. We are in need of industry experts, teachers, curriculum specialists to push this forward. Please contact me at [Jesse Walker@scps.k12.fl.us](mailto:Jesse.Walker@scps.k12.fl.us) if you are interested in helping.

D. Valencia College STEM Vision-

Ali Notash, Department Chair of Electrical & Computer Engineering Technology, presented Valencia College STEM information as follows:
Valencia will be hosting a round table luncheon to discuss the state of the MS&T industry as well as current and potential future undergraduate programs in MS&T. As our valued educational institutions and industry colleagues, we would like to extend an invitation to everyone and other interested organizations, to join us in this conversation on:
Wednesday, April 9, 2014
11 am – 4 pm (lunch will be provided)
Valencia College, West Campus, Building 10 – Collaborative Design Center
(Please contact us ahead of time)

E. M&S Certification-

Debra Yeagle, A-T Solutions, whose Sub Committee is making exceptional progress, gave the status of the proposed M&S Certification for High School Students Program. Her presentation is attached (on the NCS website). [The committee members in](#)

attendance approved the plan for execution as presented. The next actions in this initiative are as follows:

- Complete certification exam questions
- Coordinate final evaluation and review of question content, test layout, and correct answer verification
- Finalize exam administration procedures
- Finalize program application form
- Prepare supporting documentation and get organized to submit certification and funding list applications

Note: The Sub-Committee Chairperson will be briefing the NCS Executive Committee on 10 March 2014

F. Jobs Partnerships

Marc Stanakis of Jobs Partnership briefed the group on the goals and objectives of the organization. Essentially, the JP assists people who are in “dead-end” positions in their careers. Through the church-based organization, partner companies and other organizations can assist in finding new or better jobs for these people. Through volunteer efforts, job-seekers can learn new skills in interviewing, resume writing , professional behaviors and appearance. It is a very successful program.

<http://www.jobspartnershipfl.org/home.html>

G. Orlando Tech Modeling and Simulation-

Phil Tillery and Alan Lynch announced the upcoming Modeling and Simulation Summit Meeting. The Simulation Summit for the OCPS Superintendent will be held on April 24th all day at the Orlando Library Downtown.

H. Middle School Simulation Demonstration-

Peter McCormick, teacher at Corner Lake Middle School, demonstrated the use of simulation software in the classroom. His presentation is attached (on the NCS website). Topics covered were 3-D/CAD modeling, computer and robot programming simulators, NASA Simulators and PhET Simulators. A demonstration for each scenario was given as well as information on how to navigate the PhET website. The simulations on the PhET website are no cost and provide great demonstrations and hands-on tools for the students.

I. New Business-

Tracey Conner, Executive Director, Michele Puppets, announced that she is seeking partners for the production of a video series to inspire youth to explore exciting STEM careers. She can be reached at 407 898-7925 or tracey@michelepuppets.org

Meeting was adjourned at 5:45PM



