



THE NATIONAL CENTER
FOR SIMULATION

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

11 February 2015

Members Present: Benn Aronson (Team Orlando), Dr. Jeff Bindell (FHTCC), Karen Connors , Kathy Duer (OCPS), Dr. Dennis Duke, CarolAnn Dykes (UCF), Gary Fraas, Aleshia Hayes (UCF), Lyn Higgins (SCPS), Dr. Cap Jadonath (OCPS), Dr. Peter Kincaid (UCF), Sandy Masin (techTY), Cathy Matthews (Systems Engineering, Inc.), Gloria McGarvey (OCPS), Danielle McNeely (NAWCTSD), Dr. Kristy Murray, N.Y. Nathiri (PEC), Hank Okraski (NCS), Laine Powell (Collegiate Pathways), Dr. Elaine Raybourn (ADL) , Mohamed Reshad (FL Hosp), Tony Roman (OCPS), Abdul Siddiqui (PEOSTRI), Sunny Simmonds (NAWCTSD), Phil Tillery (OCPS), Carol Tingley (OCPS), Spelhanie Wall (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. (Presentation attached). They are as follows:

- Participated in Florida Hospital Center for Medical Simulation Open House on 21 November 2014
- Participated in I/ITSEC techPATH, America's Teachers and STEM activities
- Attended OTECH Advisory Committee on 18 December 2014
- Request for M&S Curriculum/Framework being reviewed by FL DoEd
- Request for M&S Certification under review by Career Source Florida
- Newly-Formed Certification Board* met 15 January 2015
- M&S Certification Exam given 10 teachers/educators on 23 January 2015
- NCS M&S Certification Exam to be given students March-April 2015 timeframe
- Attempting to place high school interns with industry
- Initiated *Mentoring Program* with UCF (Angela Salva)
- Worked with Valencia, Orlando Science Center on ZORA! STEM Program-STEM Program for students on 30 January 2015

M&S Certification Board Members

- Ms Angela Alban, President/CEO Simetri Corporation
- Ms Elizabeth Burch, President/CEO Dignitas Technologies
- Dr. Peter Kincaid, University of Central Florida
- Mr Henry Okraski, President/CEO HCO and Associates
- Ms Deb Yeagle, President, Plan To Win, Inc.
- Mr. Maynard Zettler *, Naval Air Warfare Center Training Systems Division
- Mr David Scott, VP Lockheed Martin (Chairman)

*Non-voting member

B. M&S Certification Status

Deb Yeagle, President/CEO Plan to Win, and Chair of the NCS Sub-committee on M&S Certification, brought the committee up to date with the following accomplishments:

- Developed the NCS M&S Certification Program Management Plan
- Received Approval from the NCS Education and Workforce Development Committee and NCS Board of Directors for Program Implementation
- Assembled the Exam Questions, Study Guide, and Exam Analysis Worksheet
- Submitted our application to CareerSource Florida for certification approval under the CAPE Act
- Established the program website and social media presence
- Developed the program brochure and certification design
- Exhibited at I/ITSEC where we launched the program to Government, Industry and Students
- Stood up the NCS M&S Certification Board and Charter

C. M&S Curriculum/Framework/Standards/Hagerty Status

Stephanie Wall, Seminole County Public provided the following

- The frameworks have been posted to the website and can be found (by scrolling down to the section titled “secondary programs”) via the following link: <http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/curriculum-frameworks/2015-16-frameworks/info-technology.stml>
- The 2015-16 curriculum frameworks are posted as 'draft' pending State Board of Education approval. This is anticipated to happen sometime in April.
- The following teacher certifications have been proposed: COMPU SCI 6, ENG 7G, ENG TECH 7G, INFO TECH 7G, COMP PROG 7G, ROBOTICS 7G, BUS ED 1 @2, TEC ED 1 @2 (the last two are traditional career and technical education certifications and the others are certifications available to people from industry with sufficient experience).

- The following statement was included in the draft: The first course recommended in this program is a selection from the BTE Core (Applied Computer Business Skills I and II, or Computing for College and Careers, or Introduction to Information Technology). This course could replace the foundations level of the series.

SCPS is growing its workplace learning initiative and is planning a spring internship expo for April. If you are interested in partnering with SCPS to provide workplace learning experiences to high school students please contact Stephanie Wall at Stephanie_wall@scps.k12.fl.us.

D. Florida Hospital Center for Medical Simulation

Mohamed Reshad, Florida Hospital, Center for Medical Simulation, described the new simulation center at the FLHOSP Lake Underhill location. (Presentation attached). Members of the simulation community were invited to attend an opening of the facility. It includes human patient simulators and other part task training devices. The opening of the facility is another example of medical simulation being introduced into Florida for the training of medical personnel.

E. Medical Malpractice Insurance

CarolAnn Dykes, UCF/CFSEC, led a discussion on the topic of malpractice insurance for personnel using simulation integral to training programs. Some examples of where medical personnel are offered discounts for malpractice insurance were cited. Historically, simulator manufacturers were reluctant to enter the medical/health care field because there was no demand from hospitals, doctors, nurses, etc. If there were a greater demand, simulator manufacturers might invest in development and pursue that market segment. In general, the group felt that it would be worthwhile to hold a workshop in Orlando dealing with this topic. CarolAnn and Mary Trier (Capital Communications) are considering a workshop in that area involving simulator manufacturers, health care providers, insurance companies and others.

F. K-12 Cybersecurity Education in K-12

Kathy Duer, Orange County Public Schools, presented the K-12 Cybersecurity Education Program at Orange County Public Schools. Her presentation covered articulated programs of study which include tech centers and Valencia College, working with the high schools. Of interest to the group is that three high schools in Orange County Public Schools that have cybersecurity programs: Timber Creek , Cypress Creek and Colonial with dual enrollment at Mid Florida Technical Center.

G. Cybersecurity in Central Florida

. Sandy Masin, techTY, indicated that each year, more than 50,000 children in Florida become victims of identity theft, and more than \$100 million is stolen from children whose identities have been compromised. (Presentation attached). Identity thieves target kids because they generally have clean credit histories, and years will pass before the crime is detected. It's never too early to start protecting your child from identity theft.

Source link:

<http://www.freshfromflorida.com/Consumer-Resources/Consumer-Protection/Protect-Your-Child-s-Identity>

The demand for cybersecurity professionals is growing 3.5 times faster than the overall IT job market, and 12 times faster than the total labor market.

Millennials say they want careers in which they can make the Internet safer, but they don't know what working in "cybersecurity" means.

High schools and current cyber professionals need to play a stronger role in education and awareness to sharpen young people's cyber hygiene habits and attract them to cyber careers.

<http://www.staysafeonline.org/download/datasets/10610/Raytheon%20survey%202014.pdf>

H. stemCONNECT and techPATH

Dr. Jeff Bindell, FHTCC, discussed the major techPATH programs and, in particular, spoke about the stemCONNECT program. (Presentation attached). This is a Florida High Tech Corridor Council Program to connect students with high tech experts. The trial sessions have been well received. There was interest in the program expressed by the educators and industry members present.. For more information visit: www.flssystemconnect.com

I. ZORA!STEM Conference

N.Y. Nathiri, Preserve Eatonville Community, reported on the very successful 2015 Zora!STEM Conference for students in grades 6-12 held at Valencia State College on 29 January 2015. NCS is a sponsor of this innovative and exciting program that gives students an opportunity to get involved with STEM demonstrations with hands-on opportunities. It is a very successful out-of-school experience where student progress in STEM is longitudinally tracked as a research project.

J. Collegiate Pathways

Laine Powell, Collegiate Pathways, presented information on the 501(c)(3) that empower underrepresented middle and high school girls to pursue STEM fields through college preparation, career readiness and mentoring. (Presentation attached) To date, over 500 girls have participated. This was the first exposure the committee had to Collegiate Pathways and hopes to give the organization more visibility in the future. www.collegiatepathways.org

K. Old Business-We solicited feedback from the members regarding the I/ITSEC Conference. Attendees will be providing comments to Hank Okraski.

Meeting adjourned at 5:30 PM

