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The Cyber *perspective*

SUPPORTING COLLABORATION...
INDUSTRY, ACADEMIA & GOVERNMENT

Cyber Updates from the Desk of G.B. Cazes



Dear Friends,

I am proud to announce the members of our 2011 Education Advisory Council. This group consists of knowledgeable and influential leaders in cyber education, training, and leadership. Council members represent higher education (two- and four-year institutions), research institutions, and private industry and have experience in curriculum/program development, professional development, government, and K-12 education. These highly-qualified advisors will provide important guidance to the Cyber Innovation Center (CIC) as we seek to expand and refine our academic outreach and workforce development programs.

I would like to welcome Ms. Karen Evans and Dr. Tim Elmore to the council and thank Dr. Leslie Guice, Dr. Vera Zdravkovich, and Ms. Lou Anne Bynum for continuing to serve on the council.

Ms. Karen Evans is the National Director of US Cyber Challenge. The organization is a national talent search and skills development program for U.S. students. Its purpose is to find

10,000 young Americans with the interest and skills to fill the ranks of cyber security practitioners, researchers, and warriors.

Dr. Tim Elmore is the founder and president of Growing Leaders, an Atlanta-based non-profit organization created to develop emerging leaders. Dr. Elmore is also a best-selling author and teaches leadership courses for large companies and universities. Dr. Elmore's most recent book, **Generation iY**, outlines practical strategies to equip today's teens and young adults to lead us into the future.

Dr. Leslie Guice is the Vice President of Research and Development at Louisiana Tech University. Dr. Guice is responsible for all areas related to research development, research grants and contracts, research compliance, intellectual property, technology transfer, and liaison with government and industry in support of research, development, and economic development.

Dr. Vera Zdravkovich is the Senior Advisor, CAE2Y Mentoring Program, and Principal Investigator for CyberWatch at Prince George's Community College (Largo, MD). CyberWatch is an Advanced Technological Education center whose mission is to increase

the quantity and quality of the cybersecurity workforce.

Ms. Lou Anne Bynum is the Vice President and Assistant Superintendent for Economic and Resource Development at Long Beach Community College District (Long Beach, CA). Ms. Bynum also oversees workforce development, community education, corporate education and training, federal and state workforce grants, economic development grants and contracts, and special resource development projects.

On another note, I would like to offer a special thank you to Troy Broussard, AT&T's Regional Director-External Affairs, for renewing AT&T's Silver Membership with the Cyber Innovation Center. We sincerely appreciate the continued support. Membership dollars assist the CIC fund its robust Academic Outreach and Workforce Development Program.

Sincerely,

G.B. Cazes



LA Tech and BPCC Receive Accolades

The National Security Agency (NSA) and the Department of Homeland Security (DHS) have designated the Information Assurance program in Louisiana Tech University's College of Business as a National Center of Academic Excellence in Information Systems Security Education for the years 2011-2016. This recognition places the program among the academic elite and is one of only 106 schools in the country to have been designated as a National Center of Excellence in Information Systems Security Education.

In addition, Louisiana Tech University's curriculum was also certified by the NSA for the following categories this year - Senior Systems Managers, CNSSI 4012 and Risk Analyst, CNSSI 4016.

The curriculum at Bossier Parish Community College (BPCC) was certified by the NSA for the following categories this year - Information Systems Security (INFOSEC) Professionals NSTISSI 4011 and Senior Systems Managers, CNSSI 4012. BPCC plans to apply for certification in CNSS 4013 and CNSS 4014 this fall.

Upcoming Events

August 2-5

Professional Development Workshop: STEM
Threads—Physics
Louisiana Tech University

September 21

CIC Member Luncheon
Speaker: Mike Vaughn, Hitachi Data Systems
11:30 a.m. — 1:00 p.m.

November 7-9

Air Force Global Strike Command Technology &
Innovation Symposium
Shreveport Convention Center

November 9

CIC Member Breakfast
Shreveport Convention Center
7:00 a.m. — 8:20 a.m.

Please contact JoAnn Marshall at 866-380-2746 or at joann.marshall@cyberinnovationcenter.org for more information about these events.

Junior Cyber Discovery Camp

The Cyber Innovation Center offered eighteen students and six teachers from Elm Grove and Benton middle schools the opportunity to participate in its newest cyber education program called Junior Cyber Discovery Camp. The camp was hosted at Parkway High School and served as a pilot for future roll-out to other middle schools in the region.

The Junior Cyber Discovery day camp was held from July 18-22 and introduced students to concepts in artificial intelligence and virtual reality. Students not only built and programmed robots, but also designed key parts on computer aided design stations. To help students understand the impact of technology on their daily lives, they also participated in interactive discussions, performed skits, and wrote creative essays on the technology-related topics.

Throughout the week, the teams from Elm Grove and Benton middle schools competed for points by participating in cyber challenges. The camp culminated on July 22 with team presentations and a sumo robot competition. Team presentations offered the students an opportunity to share what they had learned during the week's activities. The sumo competition pitted team robots against each other in an autonomous (no remote controls) battle. The robots had to locate, attack, and push their opponent out of the sumo ring. The Benton Middle School team edged out two tough Elm Grove teams to win the match and to become the overall Junior Cyber Discovery Camp champion.



Junior Cyber Discovery Camp is modeled on the Cyber Discovery Camp, a week-long, residential camp for high school teachers and students held annually at Louisiana Tech University. Like the high school camp, the middle school teachers attended a professional development workshop prior to the camp to gain hands-on training and explore camp topics and network with the camp directors.

A special thank you to the camp directors - Marvin Nelson from Benton High School and Jeff Holcomb and Dale Bozeman from Parkway High School. The CIC would also like to thank Bossier Parish Schools for its support and resources.