Network Security and Information Assurance at Jackson State University

A Successful Story

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Jackson State University
Jackson, MS
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Jackson State University

Jackson, MS
Historically Black University (HBCU)
Student enrollment at JSU is 7815 students
• 43% female,
• 81% undergraduates, and
• 94% African Americans

Jackson State University – CSET

Student enrollment at the College of Science, Engineering, and Technology is 1655 students
• 23% of JSU total enrollment
• 52% female,
• 87% undergraduates, and
• 94% African Americans

Jackson State University – CS

Student enrollment at the department of computer science is 330 students
• 20% of the total enrollment of CSET
• 38% female,
• 76% undergraduates, and
• 84% African Americans
Offers BS and MS

Collaboration with Mississippi State University

Dr. Rayford Vaughn
Network Security Education
Distance learning
NSF grants

Network Security Education

Distance learning in 2003
• Dr. R. Vaughn
Semi distance learning in 2004
• Dr. R. Vaughn
Classroom learning starting in 2005
• Dr. H. Kettani
The course includes a lab with 11 assignments

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NSF Grants

- “Collaborative Project: Expansion and Enhancement of the Center of Excellence in Information Assurance Program,” with regard to “Federal Cyber Service: Scholarship for Service (SFS)”
  - Grant of $127,527 Awarded, August 2003 – August 2004
  - Grant of $222,074 Awarded, August 2003 – August 2006
- PI: L. Moore, Co-PI: H. Kettani and C. Bland

Student Support

- Two undergrad and two grads
- Summer internships at government institutions
- Research projects
- Conference publications

Educational Conferences Attended

- SANS Silicon Valley, San Jose, California, March, 2004
  - Track 1: Security Essentials
- SANS Fire, Monterey, California, July, 2004
  - Track 9: Information Security
- The 6th Workshop on Education in Computer Security (WECS6), Monterey, California, July, 2004

Towards A Center of Academic Excellence

- Successfully mapped NSIA courses in Standards 4011 and 4014 Entry Level of the Information Assurance Courseware Evaluation (IACE) in February 2004
- JSU has received recognition and a certificate during the CNSS Annual Conference, Norfolk, Virginia, April, 2004.
- Applied to the 8th annual NSA and DHS for the Centers of Academic Excellence in Information Assurance Education Program Offering in December 2005.

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- Dr. Rayford Vaughn, MSU
- WECS 6 & 7 Program Committee
- National Science Foundation

Questions & Comments