

**Consortium for Computing  
Sciences in  
Colleges**

**Central Plains Conference**

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Student Programming Contest: John Cigas (Park Univ), Scott Bell (Northwest Missouri State Univ), Jim Cain (Southwest Baptist Univ), Brian Hare (Univ of Missouri-Kansas City)  
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**In  
Cooperation  
with  
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**16th  
Consortium for  
Computing  
Sciences in  
Colleges**

**Central Plains Conference**

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**2010  
Program  
April 9 & 10**



**Park University  
Parkville, Missouri**

# FRIDAY

## 9:00-11:45: Pre-Conference Workshop

JGRASP: An Integrated Development Environment With Intuitive Visualizations—For Teaching Hard Concepts in

**James Cross, Auburn University**

(Special thanks to SIGCSE for the funding of this workshop)

## 12:45-2:00: Keynote Address

Forensics in the CompSci Classroom

**Rebecca Mercuri, Notable Software**

### TRACK 1

### TRACK 2

### TRACK 3

#### 2:10-3:10

<p>The Active-Learning Transformation: A Case Study in Software Development and Systems Software Courses - Ross Sowell, Kenneth Goldman, Cindy Grimm, Roger Chamberlain, Christopher Gill, Washington University in St. Louis; Mark Tranel, University of Missouri - St. Louis</p>	<p>Online Communities in the Era of the Information Revolution - Igor Balsim, Sarwar Jahangir, Elie Feder, Kingsborough Community College</p>	<p>Tutorial An Introduction to Version Control with Subversion (Part 1): John Cigas, Park University</p>
<p>Experiences with Active Learning in CS 3 - Ross Sowell, Kenneth Goldman, Cindy Grimm, Sally Goldman, Jeremy Buhler, Yixin Chen, Washington University in St. Louis</p>	<p>The SIGCSE Submission and Review Software: 10 (Hexadecimal) Lessons - Henry Walker, Grinnell College; John Dooley, Knox College</p>	
<p>Sometimes Style Really Does Matter - David Reed, Creighton University</p>	<p>A Capstone Exercise for a Cybersecurity Course - James Aman, Christopher Harr, Saint Xavier University; James Conway, State of Ohio</p>	

#### 3:15-3:45

**Break (light Snacks): Networking-Vendors**

#### 3:50-4:50

<p>Implementing An Interdisciplinary Capstone Experience For Interactive Digital Media Majors - Carol Spradling, Jody Strauch, Northwest Missouri State University</p>	<p>Nifty Assignments Java Slot Machine Applet - Thomas Mertz, Kansas State University at Salina</p>	<p>Tutorial An Introduction to Version Control with Subversion (Part 2): John Cigas, Park University</p>
<p>A Comparative Study of Information Security and Ethics Awareness in Diverse University Environments - Max North, Sarah North, Shekinah Burns, DeAnthony Perryman, all from Southern Polytechnic State University</p>	<p>Human Robot Assignment for CS0 Or CS1 - Ernie Giangrande Jr., Wingate University</p>	
<p>Identifying Gene Regulatory Networks Using Evolutionary Algorithms - Carl Davidson, Simpson College</p>	<p>Applied Problem Solving- Wen-Jung Hsin and John Cigas, Park University</p>	

## 4:55 - 5:10 Break-Networking-Vendors

### 5:15-6:15

<p>Animations for Computer Networking Protocols - Wen-Jung Hsin, Park University</p>	<p>Panel Discussion Classroom Student Software Development Projects: A Practitioners Perspective - Edward Mirielli, Westminster College; James Buchan, College of the Ozarks; Kian L. Pokorny, McKendree University</p>	<p>Tutorial Teaching and Integrating Social and Professional Issues Into a Small College Computer Science Curriculum - Carol Spradling, Northwest Missouri State University; Brian Hare, University of Missouri - Kansas City</p>
<p>Experiences with Online SQL Environments - John Cigas, Barbara Kushan, Park University</p>		
<p>Using Topic Map to Create an E-Learning Environment: The Topic of OSI Model Map - Marcos Pinto, NYC College of Technology</p>		

## 6:30-8:30: Banquet

Planetary Adventures: My Life As A NASA Software Engineer  
**Carol Browning, Drury University**

# SATURDAY

### TRACK 1

### TRACK 2

### TRACK 3

### TRACK 4

#### 8:30-9:30

<p>Cluster Computing on a Small Department Budget - David Bainum, Bruce Mechtly, Washburn University</p>	<p>Tutorial Connecting High-Level Programming Constructs to Assembly Language using Frances - Kian Pokorny, McKendree University; Hriday Rajan, Tyler Sondag, Iowa State University</p>	<p>Tutorial Automated Grading of Student Programming Assignments - Stefan Brandle, Taylor University</p>	<p>Student Web Site Contest</p>
<p>A One-Credit Artificial Intelligence Course for a General Audience - Michael Black, American University</p>			

#### 9:35-9:55

**Break (light Snacks): Networking-Vendors**

## 10:00-11:00

<p>Resistor Network-Based Algorithms for Enumerating Rational Numbers - Samuel C. Hsieh, Logesh Sampath, Van Nelson, Ball State University</p>	<p>Tutorial Programming User Interfaces using The Nintendo Wii Remote - Charles Pheatt, Scott Goering, Emporia State University</p>	<p>Tutorial Teaching Networking and Distributed Systems with Seattle) - Ivan Beschastnikh, Justin Cappos, University of Washington</p>	<p>Student Web Site Contest</p>
<p>A Web Service Model for Conducting Research in Image Processing - Chengcheng Li, East Carolina University</p>			
<p>Wrong Number: Avoiding the Hidden Perils in iPhone Development - Michael P. Rogers, Northwest Missouri State University</p>			

## 11:00-11:40

**Break-Networking-Vendors-Poster Sessions**

## 11:45-12:45

<p>Experiences with Virtualization Technology in Education - Tim Bower, Kansas State University at Salina</p>	<p>Nifty Assignments PVIF of \$1 Table Creation &amp; Usage in C#: Fundamental Intricacies - Jean Hendrix, University of Arkansas at Monticello</p>	<p>Vendor Workshop Cloud Computing and Windows Azure: Building massively scalable applications on the cloud—Krishna Kumar, Microsoft</p>	<p>Student Web Site Contest</p>
<p>Creating a Summer Program to Engage Students - Jerome Eric Luczaj, Miami University Middletown</p>	<p>Roulette Simulations and Martingale Betting - David Reed, Creighton University</p>		
<p>Teaching Mathematical Proofs to CS Major Students in the Class of Discrete Mathematics) - Hongbiao Zeng, Keyu Jiang, Fort Hays State University</p>	<p>Providing a Digital Logic Lab Experience in a Computer Architecture Course - James Feher, McKendree University</p>		

## 1:00-1:50

**Luncheon & Business Meeting**

## 2:00-6:00

**Student Programming Contest**