Global Graphics | An educational perspective

January 22-24, 2012 · Galveston, Texas

Sunday | January 22, 2012

8:30 am - 10:00 pm	Registration

1:00-3:30 pm **PRE-CONFERENCE WORKSHOPS | Viewfinders Terrace**
Alister Fraser, *PTC North America Education Manager and former professor of Loughborough University, UK*

1:00-2:00 pm	What is Direct Modeling?
2:00 - 2:30 pm	Break	*Sponsored by PTC*
2:30-3:00 pm	Computer Aided Design: Assessment Best Practices
3:00-3:30 pm	CAD Jobs Have Changed

3:00 - 5:00 pm	Executive Committee Meeting	Boardroom
6:30 - 8:00 pm	Welcome Reception	*Sponsored by Autodesk*	Viewfinders Terrace
6:30 - 8:00 pm	**MEDIA SHOWCASE**	Viewfinders Terrace

Toward Defining Engineering Design Graphics Journal Goals
    Robert Chin | *East Carolina University*
Augmented Cinematography: A Look at the Use of Augmented Reality in Film Production
    Thomas Haley-Hermiz, Patrick Connolly, Adam Gasper, Vincent Scalone, Nick Sceusa and Chris Staehler | *Purdue University*
Development of an Inverted Classroom Module for Multiview Drawing
    M. Kelly, A. Stauble, N. Bertozzi | *Daniel Webster College* and Ted Branoff | *North Carolina State University*
Applied Animation – Innovative Curriculum for a Rapid Growing Field
    Argie Nichols and Georgia Hale | *University of Arkansas – Fort Smith*

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66th Mid-Year Conference

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Monday | January 23, 2012

8:30 am – 5:00 pm	Registration
7:00 – 8:30 am	Continental Breakfast	Salon F

8:30 – 10:00 am   **TECHNICAL SESSION I**   *The Web as a Resource* | *Bob Chin, moderator* | Salon G & H

Developing 3D Modeling Courses for Online Teaching: Instructional Technologies to Consider
> Kathleen Mapson and Aaron Clark | *North Carolina State University* and
> Jeremy Ernst | *Virginia Tech*

Online Delivery of Technical Graphics Courses
> Jon Duff | *Purdue University*

Using Online Catalog Part Files in Graphics and Design Courses
> Holly Ault | *Worcester Polytechnic Institute* and Tim Thomas | *PARTsolutions LLC.*

A Study to Examine the Role of Print, Web, and Social Media for Recruiting Students
> Mary Sadowski and Judy Birchman | *Purdue University*

10:00 – 10:30 am   Break | *Sponsored by Schroff Development Co.*

10:30 – Noon   **TECHNICAL SESSION II**   *Visualization & Perception* | *Kathy Holliday-Darr, moderator* | Salon G & H

2D Traditional Techniques with 3D Graphics Visualization
> James Wronecki | *East Tennessee State University*

Spatial Visualization of Geons through the Modification of the Purdue Visualization of Rotations Test (ROT)
> Nathan Bench and Pat Connolly | *Purdue University*

The Effectiveness of Real & Augmented Models to Advance the Spatial Abilities of Visual/Haptic Engineering Students
> Katie Huffman and Craig Miller | *Purdue University*

The Intermediate Role of the Visuo-Spatial Sketchpad in Developing Sketching Expertise
> Diarmaid Lane, Niall Seery and Seamus Gordon | *University of Limerick*

Noon – 1:30 pm   Lunch and Division Business Meeting | *Sponsored by SolidWorks* | Salon F

1:00 – 3:00 pm   **TECHNICAL SESSION III**   *Outcomes & Assessment* | *Nick Bertozzi, moderator* | Salon G & H

Engineering Graphics Literacy: Measuring Students' Ability to Model Objects from Assembly Drawing Information
> Ted Branoff | *North Carolina State University* and Modris Dobelis | *Riga Technical University*

An Overview of Tests of Cognitive Spatial Ability
> Nancy Study | *Virginia State University*

Using First Year Engineering Graphics Course for Student Outcomes and Assessment
> George Agoki and Boon-Chai Ng | *Andrews University*

Engineering Graphics Educational Outcomes for the Global Engineer
> Ronald Barr | *University of Texas at Austin*

3:00 – 3:30 pm   Break | *Sponsored by Cengage*

3:30 - 4:30 pm	**TECHNICAL SESSION IV** *Focus Groups*	Salon G & H

A Delphi Study as a First Step in Developing a Concept Inventory for Engineering Graphics
  Mary Sadowski | *Purdue University* and Sheryl Sorby | *The Ohio State University*

4:30 - 5:30 pm	*Cengage: Incorporating Technology into the Classroom*
Katie Hall, Joe Pliss, Larry Main	*Cengage*
6:00 - 9:00 pm	Optional Evening Dinner at the Lone Star Flight Museum (Open Bar)

Tuesday | January 24, 2012

8:30 am - 5:00 pm	Registration
7:00 - 8:30 am	Continental Breakfast	Salon F
8:30 - 10:00 am	**TECHNICAL SESSION V** *Graphics Education*	Tom Krueger, moderator	Salon G & H

Implementing Reverse Engineering Methodology into First Year Engineering Curricula from a Student Perspective
  Trevor Wanamaker and Craig Miller | *Purdue University*
Open-ended Project Learning Experience in Graphical Communication
  Lulu Sun and Christopher Grant | *Embry-Riddle Aeronautical University*
Dimensional Tolerances: Back to the Basics
  Kevin Devine | *Illinois State University*
Factors Facilitating the Need for a Visual Graphics Animation Baccalaureate Degree at a Mid-South University
  Argie Nichols | *University of Arkansas - Fort Smith*

10:00 - 10:30 am	Break
10:30 - Noon	**TECHNICAL SESSION VI** *Graphics Methods & Issues*	Frank Croft, moderator	Salon G & H

Examining Active Learning: Review and Current Thinking
  Alice Scales and Terri Varnado | *North Carolina State University*
Graphics Education Needed for Upper Division Courses in Mechanical Engineering Design
  Boon-Chai Ng and George Agoki | *Andrews University*
Virtual Reality Learning Effects in College and Training Environments
  Argie Nichols, Bobby Jones, Jr. | *University of Arkansas - Fort Smith* and
   Debra Steele | *Oklahoma State University*
The Introduction of a Peer Review Evaluation Technique for a Construction Project Management Course
  Donald O'Keefe | *Famingdale State College*

Noon - 1:30 pm	Lunch on your own
1:30 - 5:30 pm	Visit Moody Gardens Resort attractions or Afternoon Golf Outing
6:30 - 8:00 pm	Awards Banquet Reception (Open Bar) and Banquet	Viewfinders Terrace

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