M.E. Rinker, Sr. School of Building Construction Offers

BIM Continuing Education
May 6-7, 2013

Presented By

Instructors

R. Raymond Issa, Ph.D., J.D., P.E., F.ASCE
UF Research Foundation and Holland Professor
Director of CACIM
raymond-issa@ufl.edu

Svetlana Olbina, Ph.D
Rinker Assistant Professor
Assistant Director of CACIM

Brittany Giel
PhD Student

For further information, please visit us at:
http://www.bcn.ufl.edu/

Register Today

Reserve your spot!
Seating is limited

FOR MORE INFORMATION:
Call Dottie @ (352) 273-1181 or Email: raymond-issa@ufl.edu

Architects, Engineers and Contractors!
The Rinker School’s Center for Advanced Construction Information Modeling will be hosting 2 days of hands-on introductory level BIM training at the University of Florida campus in our newly established BIM 3D visualization lab.

LEARN:
• Revit Architecture
• Revit Structure
• Revit MEP
• Clash Detection
• 4D/5D Modeling
• Navisworks

Participant Fee: $995
Continental Breakfast & Lunch
Rinker Hall Room 201
8:00 AM - 5:00 PM
Rinker School Building Information Modeling Course

May 6-7, 2013

Instructors:

R. Raymond Issa, Ph.D., J.D., P.E., F.ASCE
UF Research Foundation and Holland Professor
Director of the Center for Advanced Construction Information Modeling
raymond-issa@ufl.edu

Svetlana Olbina, Ph.D.
Assistant Professor
Assistant Director of the Center for Advanced Construction Information Modeling
solbina@dcp.ufl.edu

Brittany Giel
PhD Candidate

General Schedule for both days

7:30 am   Continental Breakfast Served
8:00 am   Begin Classes
10:00 am  Coffee/Refreshment Break
10:30 am  Resume Classes
12:30 pm  Catered Lunch/Free Time
1:30 pm   Resume Classes
3:00 pm   Refreshment Break
3:30 pm   Resume Classes
5:00 pm   Structured Classes Over/Free Time

Note: In order to learn all course material, and out of respect to other attendees, please keep your cell phones turned off and handle all personal business during scheduled break times. Thank you for your consideration.
May 6, 2013

Day One Agenda

Autodesk® Revit® Architecture & Structure® 2013
for Design & Construction Management

Schedule:

I. Introductions
   PowerPoint Overview of Building Information Modeling, the National BIM Standard, and BIM applications in industry (Case Studies, BIMStorm-London, others)

II. Revit Architecture 2013 (Hands-On Training)
   • User Interface
   • Concepts: Value of a Database for Building Design / Construction
   • Understanding the Project Browser
   • Viewing the Model (Navigation)
   • Drawing Grids and Levels
   • Creating objects
   • Customization of object properties
   • Creating sheets for output

III. Revit Structure 2013 (Hands-On Training)
   • User Interface differences
   • View Dependent Controls
   • Visibility Control of Objects
   • Creating Columns, Beams, Slabs, and foundations objects
   • Placing structural loads for analysis

IV. Quantity Takeoffs, Estimation (Hands-On Training)
   • Creating Custom Schedules
     - Quantity
     - Material Takeoff
     - Use of formulas
   • Revit to Excel or ODBC database
   • SmartBIM Conceptual Estimating (5D)
     o Using RS Means Costworks to generate estimates
   • Vico 5D Estimating

V. Conclusion, Summary of Learned Items
March 7, 2013

Day Two Agenda

Autodesk® Revit® MEP 2013 for Design & Construction Management and NavisWorks Manage® 2013

Schedule:

I. Excerpts from Autodesk® Revit® MEP 2013 Curriculum (Hands-On Training)
   Overview
   • User Interface Differences
   • Multi-disciplinary workflow principals
   • Working with linked models
   • Systems design concept
   Mechanical Systems Design
   • Zones
   • Performing Energy Analysis
   • Creating a supply air system
     - duct sizing
     - placing air terminals and mechanical equipment
     - checking connectivity
   • Using Filters
   Plumbing Systems Design
   • Placing plumbing fixtures
   • Placing and sizing piping
   • Creating a sanitary system
   Electrical Systems Design
   • Placing Electrical Lighting Equipment
   • Creating Power Circuits
   • Editing Circuits/Panel Schedules

II. Autodesk® NavisWorks Manage® 2013 (Hands-On Training)
    Concepts: Interferences, 4-D Phasing, and Construction Visualization
    • Exporting models from Revit to Navisworks
    • Coordinating multiple disciplines
    • Creating and exporting animations
    • Using Find Items to create search and selection sets
    • Performing clash detection
    • Using Redline Tools
    • Timeliner (4D)
      o Synchronizing Pre-made schedules with models

III. Conclusion – Quick Summary of Course Content

NOTE: While attendees will get exposure to BIM and hands on instruction on the use of the various features of the software used in class, full proficiency will be only achievable over time, through practice and continuous use.
Rinker School Building Information Modeling Course
May 6-7, 2013
REGISTRATION FORM

Deadline: April 26, 2013

Name: _________________________________
Organization: ___________________________
Billing Address: ________________________
_______________________________________
Email Address: __________________________
Telephone: _____________________________

Amount: _____X $995 = ___________
Note: Discounts are available for 2 or more registrants from the same entity.

Method of Payment

Check _____ Please make payable to: University of Florida

and mail to: Dottie Beaupied
University of Florida
M.E. Rinker, Sr. School of Building Construction
304 Rinker Hall/ POB 115703
Gainesville, FL 32611-5703

Visa ___ Master Card ___ American Express ___

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If you need further info, please call Dottie at 352-273-1181

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