ADCIC 2003

3rd Biennial

World Conference

addressing the use of

Automatic Data Collection In Construction

At

Monte Carlo Resort & Casino

"On the Strip"
in

Las Vegas, Nevada
March 26-28, 2003

www.sit.ecu.edu/cm-dept/adcic1_2003.htm

Organized by

EAST CAROLINA UNIVERSITY

Department of Construction Management

Sponsored by

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Attendee's
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ADCIC 2003 - WELCOME

ADCIC 2003: **The 3rd biennial World Conference on the use of Automatic Data Collection (technologies) In Construction.**

PURPOSE: As in the past, this conference brings together all segments of the construction industry from around the world to help you improve your understanding of Automatic Data Collection (ADC) technologies and learn how these technologies are being used in construction.

GOAL: To help you make your construction projects more efficient and economical by first understanding the potential of ADC technologies, and then by implementing ADC in the construction industry.

PROGRAM: The 3 day conference will include Speakers from owner-operator companies, construction companies, suppliers, manufacturers, professional organizations, and educators, from around the world. Hot lunches will be served Wed. and Thurs. Keynote presentations will be made after each luncheon. The conference registration fee **will include** the two hot *Luncheons*, *continental breakfast* each morning, *refreshments* at each break during the conference and conference notes.

KEY NOTE SPEAKERS: There will be two Keynote Speakers. The first will be Dr. Ben Schwegler, VP and Chief Scientist for Walt Disney Imagineering. The second will be Mr. Kevin Ashton, Director of the Auto ID Center at M.I.T. (Massachusetts Institute of Technology).

TECHNOLOGIES: Presentations on the following technologies will be made: Bar Codes, RFID (Radio Frequency Identification) tags, GPS (Global Positioning Syst's), 3-D Laser Scanning, 4D Technologies, and others.

SPEAKERS: Conference Speakers will be from owner/operator companies, construction companies, professional associations, educators, manufacturers, suppliers, and other stakeholders in the construction industry.

EXHIBIT BOOTHS: Manufacturers and Value Added Resellers (VARS) will have exhibit booths at the conference to showcase their ADC products. Booths will be open during all conference hours: 8:00am to 6:00pm Wed & Thurs, and to 3:00pm Friday. The exhibit area will be located immediately adjacent to the conference room.

WHO SHOULD ATTEND: Construction managers, project managers of owner/operator companies, construction companies, professional & trade organizations, materials suppliers, and ADC manufacturers and their Value Added Re-Sellers (VARS). Conference registrations will be limited to 300 so register early.

ADCIC 2003 CONFERENCE REGISTRATION

Please use one form per registrant.

Name:_____
(First Name) (Middle Initial) (Last Name)

Badge Name:_____

Title:_____

Company:_____

Division:_____

Address:_____

City, State, Zip:_____
(City) (State) (Zip)

Country:_____

Phone:_____FAX:_____

e-mail:_____

Conference Registration Fee includes Keynote luncheon, continental breakfasts (3), refreshments during breaks and conference notes. Please check appropriate box.

☐ $895 Normal Reg. Fee ☐ **$695 Early Reg. Fee (Before Dec 1, 2002)**

☐ $500 Academic Fee (Fee for University Faculty)

Make check payable to East Carolina University, and send it together with this completed registration form to:

Dr. Connie Ciesielski (252) 328-4139…(Tel)
Construction Mgmt Dept (252) 328-1165…(Fax)
336 Rawl Building
East Carolina University
Greenville, NC 27858
USA
Email: ciesielskic@mail.ecu.edu
www.sit.ecu/cm-dept/adcic1_2003.htm

ADCIC 2003
REGISTRATION INFORMATION

REGISTRATION FEE

The ADCIC 2003 registration fee ($895 regular/ ***$695 Early Bird***) covers all conference handout materials, two hot luncheons, Wednesday & Thursday, continental breakfast each day before the sessions, refreshments at breaks and admittance to the manufacturers/vendors display area.

Dress for all functions is casual.

HOTEL INFORMATION & LOCATION

The Monte Carlo Resort and Casino is located "On the Strip" in Las Vegas, Nevada. Its complete address and phone number is:

Monte Carlo Resort & Casino
3770 Las Vegas Boulevard, South
Las Vegas, NV 89109
(702) 730-7777
or (800) 311-8999
www.monte-carlo.com

The Monte Carlo Resort & Casino is offering a limited number of rooms at a special room rate of $99.00 plus 9% tax per night under the group name of **XADCIC2**. You must refer to this group name when making reservations to get this special conference room rate. Please make your room reservations directly with the Monte Carlo.

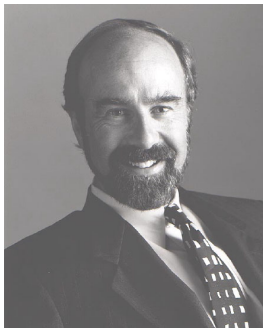
PLEASE NOTE

Conference registrations will be limited to 300. Take advantage of the Early Bird registration fee of $695 by registering before December 1, 2002.

CANCELLATIONS

Registrants who cancel and provide written notification to the Construction Management Dept, East Carolina University before December 1, 2002, will receive a full refund less $200. Cancellations must be received or post marked prior to Dec 1, 2002. Refunds will not be made after December 1. **Substitutions may be made at any time.**

KEYNOTE SPEAKERS



Dr. Ben Schwegler…Vice President and Chief Scientist of Walt Disney Imagineering (WDI) Research and Development. Dr. Schwegler directs the Environment, Materials and Infrastructure group at WDI R&D, where he created and manages the 4D Simulation-based Design Team. Dr. Schwegler's group has also developed Integrated Infrastructure models, which resulted in the most energy efficient theme parks and resort designs ever built; and next generation fireworks. He is a member of the Corporate Advisory Board of ASCE's Civil Engr. Research Foundation, (CERF). He has been involved in nearly all of Walt Disney Imagineering's construction projects over the past 19 years.

Kevin Ashton…Executive Director of the Auto-ID Center at MIT. Mr. Ashton studied at the University of London and the University of Copenhagen before joining Procter & Gamble in 1995. After 3 years as a P&G Brand Manager, Mr. Ashton led the development of the company's corporate strategy for Embedded Technology. The result of this work was P&G 's decision to provide launch funding for the Auto-ID center at MIT. P&G also agreed to MIT's request to loan Mr. Ashton to the Center to act as its founding Director.

ECU - CONSTRUCTION MGMT DEPT

East Carolina University, located in Greenville NC, is one of 16 campuses included in the North Carolina University system. The campus is within a two-hour drive of both Raleigh, the state capital, and Atlantic Coast beaches. The university, established in 1907, currently has over 17,000 undergraduate students. The Construction Management Department is accredited by the American Council for Construction Education (ACCE). The department graduates about 80 students per year.

Wednesday, Mar 26 - Agenda

CONTINENTAL BREAKFAST
Opening Remarks…… ……..…….. Connie Ciesielski, *ECU*
AIM-USA, Automatic Identification Manufacturers……. Dan Mullen, *AIM-USA*
CMAA, Welcome from the Constr. Mgrs Assoc. of Am……Tim Culligan, CMAA
CII Today…(Best Practices & Measurement)……..…. Ned Givens, *CII*
FIATECH…A Tech. Agenda for the Construction Industry….….Ric Jackson, *FIATECH*
NIST…Automated Steel Construction Testbed…….…… Alan Lytle, *NIST*
Digital Tools in Construction…….……. Glenn Hawkins, BSRIA (*UK*)
Exhibitor Reviews……..……..…… 3 minute previews of Exhibit Booths

GROUP LUNCHEON
KEY NOTE SPEAKER, Dr. Ben Schwegler,
Walt Disney Imagineering
"Productivity in the Construction Industry – the 21st Century"

Handheld CPU's in Construction QC…….. Dennis Smythe, *Fluor*
Construction Interface of Steel 3D Model……..…….... David Harwell, *CTIW*
Bar Codes…CASE STUDY, Boston's "Big Dig"……...Peter Glover, *Bechtel/PB-J.V.*
Bar Codes…RF Applications for Dist. of Piping Mat'ls.... Kevin McBride, *Anvil Inter'l*
Electronic Sharing of Constr. Info. Among Organizations…..….. Sami Kazi, *(FINLAND)*

Thursday, Mar 27 - Agenda

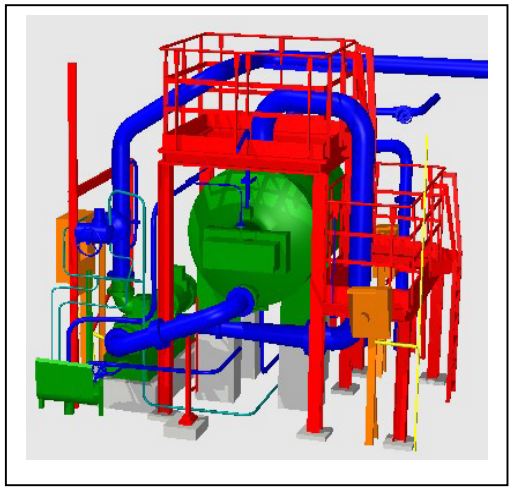
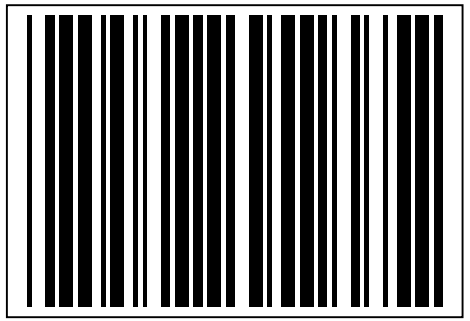
CONTINENTAL BREAKFAST
3D-Laser Scan, Technology……Thomas Wunderlich, TU-Munich (*GERMANY*)
3D-Laser Scan, CASE STUDY –Plant Project…… John Todor, *Washington Group*
3D-Laser Scan, CASE STUDY – Highway Bridge…..….. Tom Milo, *Mark Thomas Co.*
ADC - & Resource Control……..…… Ronie Navon, Israel Inst Tech (*ISRAEL*)
Field Data Mgmt Using Pocket PC's/Tablet PC's…..…….…….. Ron Surrock, *Bechtel*
RFID Basics – Bldg Blocks for Success……..…….. Matt Ream, *Zebra Technology*

GROUP LUNCHEON
KEY NOTE SPEAKER, Mr. Kevin Ashton,
Director of the Auto ID Center, M.I.T.
"Electronic Codes for Products/Materials"

RFID-Smart Chip Economics in Construction……...……Charlie Wood, FIATECH
RFID-A Global Low Cost RFID Tag…….…… Jeff Jacobsen, *Alien Technology*
RFID-CASE STUDY–Tagging in Construction…..….…… Skip Stuart, *Black & Veatch*
RFID-CASE STUDY–Glulam Constr. at Aosta, Italy…...Luca Caneparo, Aosta (*ITALY*)
RFID-Embedded Sensors & RFID Technology……... Tony Corrado, *Phase IV Engr.*

Friday, Mar 28 - Agenda

CONTINENTAL BREAKFAST
GPS-For Machine Control in Construction……..… Joan Hollerich, *Trimble Navigation*
GPS-A New World for Site Dev – CASE STUDY…..…….. Don Taylor, *McAninch Corp*
GPS-Applications to Gather Productivity Data……..… Mike Vorster, *Univ. of Virginia*
Advanced Tech. Creates the Driverless Haul Truck….…… Mark Baker, *Modular Mining*
Imaging-CASE STUDY……..……..…… S.T. Wooten Constr. Co
Robotics – Smart Mechatronics, ……..…… Tom Bock, *Univ of Munich (GERMANY)*

LUNCH BREAK

4D-CIFE Center, Research Improves 4D Modeling..…… Martin Fischer, *Stanford*
4D-CASE STUDY - LaGuardia Rail Access Proj…….Sheldon Fialkoff, *DMJM/Harris*
4D-CASE STUDY – Emeryville, CA & Phoenix, AZ Proj's…...Dean Reed, *DPR Constr.*
4D-CASE STUDY – Singapore Water Reclamation Project…… Rob Braun, *CH2M Hill*
ADC Construction Tools in the UK…….…… Vassos Chrysostomou, *(UK)*
Web Based Planning & Control of Site Operations…...…… Leonhard Bernold, *NCSU*