



Geology Continuing Education Series

Expanding Geological Practice: New Areas & Methods

Friday June 12, 2009, 8:30 a.m.-4:00 p.m.



Engineering and environmental geologists have been impacted by recent economic downturns. This short course explores remote sensing and environmental methods that can be used in site investigations. Specifically, this course is focused in two technical areas: site investigation survey methods and the state of environmental practice. Site investigation methods discussed will be GPS-GIS, LiDAR, and InSAR. Environmental talks include: climate change, solid waste management, storm water permit plans, and the overall state of the environmental business and new trends. The national AEG President will give a perspective on the national state of the profession.

Sponsor: Inland Empire Chapter, Association of Environmental & Engineering Geologists

Program Coordinator: KERRY CATO, Ph.D., Cato Geoscience, Inc., Temecula, CA

Date/Time: Friday June 12, 2009, 8:30 a.m-4:00 p.m.

Location: UC RIVERSIDE: Extension Center, 1200 University Ave.

Fee: \$115 each / \$90 each for AEG members / \$20 each for students (20 students maximum) (includes materials, lunch and parking)

Reg #084-SCS-S40

PROGRAM AGENDA

- 8:30 Registration
- 9:00 **Welcome/Announcements/Chapter Outreach Goals**
Kerry Cato, Program Coordinator, 2009 Chapter Chair
Organizing Committee:
David Gaddie, Ernie Roumelis, Michael Cook, Richard Orr, Tien Lee, Frank Jordan
- 9:15 **GPS and GIS Integration - Beyond the Benchmark**
Bill Mumbleau, Kleinfelder
- 9:45 **Measuring Vertical and Lateral Surface Deformation Using PS-InSAR: Subsidence, Landsliding and Fault Creep**
Garreth Funning, Department of Earth Sciences, UC-Riverside
- 10:15 Break
- 10:35 **Practical Applications of Airborne LiDAR Data for Environmental and Engineering Geology Projects**
Mark Molinari, AEG President, URS-Seattle, WA
- 11:10 **Using B4 and GeoEarthScope LiDAR Data to Analyze Active Faults in Southern California**
Ken Hudnut, USGS-Pasadena
- 11:40 **Keynote Address: A National Perspective on the State of the Profession**
Mark Molinari, AEG President, URS-Seattle, WA
- 12:10 Lunch
- 1:40 **Climate Change, The Current Debate**
Richard Minnich Department of Earth Sciences, UC-Riverside
- 2:10 **Geologic Consulting in California's Solid Waste Management Industry**
Gary Lass, GeoLogic Consultants
- 2:40 Break
- 3:00 **Storm Water Permit Plan (SWPP) Water Sampling Requirements**
Greg Middleton, Leighton & Associates, Rancho Cucamonga, CA
- 3:30 **State of the Environmental Business, Current Trends and New Developments**
Jim Madden, ATC Associates, Los Angeles, CA
- 4:00 Closing Comments

ENROLLMENT FORM SP09

I wish to enroll in:

Expanding Geological Practice: New Areas & Methods

Geosciences 825.F (6 CEUS) **Reg #084-SCS-S40**

\$115 \$90 each for AEG members

\$20 each for students

Full Name (please print)

Social Security No. (Provide if using tuition for tax credit)

Home Address (street, apt. no.)

City

State

ZIP Code

Daytime Phone

E-mail Address

Are you a U.S. Citizen: Yes No If no:

Permanent Resident

Type of VISA _____

TO PAY BY CHECK: Enclose check made payable to REGENTS-UC in the amount of \$_____ to cover _____ enrollment(s) and parking permit.

TO USE YOUR CREDIT CARD:

VISA/MasterCard No.

Expiration Date

Authorizing Signature

PLEASE USE A SEPARATE SHEET FOR ADDITIONAL ENROLLMENTS. THANK YOU.

PROGRAM INFORMATION:

Phone: (951) 827-5804

E-mail: sciences@ucx.ucr.edu

Web site: www.extension.ucr.edu

TO ENROLL:

Online: www.extension.ucr.edu

By Phone: (951) 827-4105 or (800) 442-4990

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