MISSOURI S&T

April 27, 2012
Havener Center | Missouri S&T Campus

GeoMO 2012

Geotechnics for Sustainable Environment

Register Now to Attend Online at http://geomo.mst.edu



Guest Lecturer
Dr. Krishna Reddy

Join us April 27, for GeoMO 2012, as we discuss Geotechnics for Sustainable Environment with guest lecturer, Dr. Krishna Reddy.

During GeoMO 2012, Dr. Krishna Reddy, professor of civil and environmental engineering and director of the Geotechnical and Geoenvironmental Engineering Laboratory at the University of Illinois, Chicago, will be discussing recent advances in geoenvironmental engineering toward sustainable waste management and pollution control and remediation.

As a consultant and professional engineer in the State of Illinois, Dr. Reddy has worked as a civil engineer and project manager for numerous consulting engineering companies. He has been involved in several major projects dealing with geotechnical site investigations, foundations, earth structures, landfills, contaminated sites, and groundwater flow and contaminant transport modeling.

Dr. Reddy has developed and taught several geoenvironmental engineering courses, including Environmental Geotechnology, Environmental Remediation Engineering, and Design of Landfills and Impoundments. His research expertise includes remediation of contaminated sites, waste containment systems, and waste material characterization and reuse. He has published over 150 technical papers on various topics in geoenvironmental engineering.

Recognized for his excellence in teaching, research and professional services, Dr. Reddy has been the receipent of several awards and honors. He has delivered over 125 presentations, including several invited and keynote presentations at national and international workshops and conferences.

Sample Schedule/Topics

9:15 a.m. - 10:15 a.m.
Landfill Liner and Cover Systems: Geotechnical Stability and Sustainable Design Incorporating Waste Materials

10:15 a.m. - 10:30 a.m. Break

10:30 a.m. - 11:30 a.m. Bioreactor Landfills: Field Performance and Strategies for Optimal Design and Operation

11:30 a.m. - 12:15 p.m.
In-Situ Containment Barrier: Case Study of DNAPL Containment at MGP Site

12:15 p.m. - 1:15 p.m. Lunch Break

1:15 p.m. - 2:15 p.m.
Green and Sustainable Remediation: Framework and Case Studies on Soil and Groundwater Contamination

2:15 p.m. - 3:15 a.m.
Electrochemical Remediation: Overcoming Challenges of Subsurface Heterogeneities and Contaminant Mixtures

3:15 p.m. - 3:30 p.m. Break

3:30 p.m. - 4:30 p.m.
Environmental Nanotechnology: Subsurface Transport and Reactivity of Nanoscale Iron Particles to Remediate Recalcitrant Contaminants

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GeoMO 2012

Geotechnics for Sustainable Environment

The 10th Annual GeoMO Conference is an exceptional opportunity for you to network with fellow practicing engineers as well as geotechnical graduate students and faculty.

In addition, the conference provides:

- A Missouri forum for nationally recognized geotechnical experts.
- Practical information designed to enhance the capabilities of practicing engineers.
- Valuable Professional Development Hours (PDHs) at a reasonable cost.
- A convenient venue maximizing interaction between practicing engineers.

Geoenvironmental Engineers are now playing an increasing role in sustainable waste management, green site remediation, clean energy, climate change, and mitigation of greenhouse gases. This expanded scope requires an increased understanding of the global implications of environmental issues as well as a broader, multi-disciplinary base of knowledge, particularly in fields of hydrogeology, geophysics, geochemistry, microbiology, and ecology.

This year's GeoMO 2012 lecturer is Dr. Krishna Reddy, professor of civil and environmental engineering and director of the Geotechnical and Geoenvironmental Engineering Laboratory at the University of Illinois, Chicago. He will be discussing some recent advances in geoenvironmental engineering towards sustainable waste management and pollution control and remediation.

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Who Should Attend?

Geotechnical Engineers
Environmental Engineers
Graduate Students
Geologists and Hydrogeologists
Landfill Designers
Owners and Operators
Planners and Regulators

Registration Fee: $150
Student Fee: $50
Fee includes course notes and a luncheon.

Professional Development Hours (PDHs)
Attendees will receive a certificate awarding six PDHs.

Registration Contact
Distance & Continuing Education
Phone: (573) 341-4200
Fax: (573) 341-4992
Email: lisap@mst.edu

Conference Sponsorship and Exhibit Opportunities

If your company or business is interested in helping sponsor this conference, please visit http://geomo.mst.edu for more details. Your firm's contribution will help ensure the financial success and perpetuation of this outstanding forum. In addition, your company's name will be displayed with the other sponsors at the conference.

There are spaces available for exhibitors. If you are interested in a display booth for your organization, you can contact Lisa Powell, Conference Coordinator by email at lisap@mst.edu or by calling (573) 341-4278.

Thank you for your support of GeoMO

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