

**Minutes of GEC Committee Meeting
Tuesday, February 27, 2006
Atlanta, Georgia**

In Attendance:

Name	Affiliation	e-mail	Member
Soheil Nazarian	UTEP	nazarian@utep.edu	Yes
Glenn Rix	Georgia Tech	Glenn.rix@cc.gatech.edu	Yes
Barbara Luke	UNLV	Bluke@ce.unlv.edu	TCC Rep.
Bill Yu	Case Western	Xiung.yu@case.edu	Yes
Gregory Hebler	Golder	ghebeler@golder.com	Yes
Dennis Hiltunen	Univ. of Florida	dhilt@ce.ufl.edu	Yes
Daren Zywicki	Akron	dzywicki@uakron.edu	No
Benjamin Rivers	FHWA	benjamin.rivers@fhwa.dot.gov	No
Khamis Haramy	FHWA	Khamis.haramy@fhwa.dot.gov	Yes
Dayakar Penumadu	Univ. of Tennessee	dpenumad@utk.edu	Yes
Michael Rucker	AMEC	Michael.rucker@amec.com	Yes
Nenad Gucunski	Rutgers	sucunski@rci.rutgers.edu	Yes
Jim Fink	HydroGeophysics	jim@hydrogeophysics.com	No
Dante Fratta	Univ. of Wisconsin	fratta@wisc.edu	Yes
Brent Rosenblad	Univ. of Missouri	rosenblad@missouri.edu	No

The meeting was called to order at 7:00 PM with eleven members and two friends of the committee in attendance.

The following Items were discussed.

- **North American Landslide Conference 2007**
 - Bill Turner provided an introduction and requested that GI Committees to contribute to that conference. GEC decided to assist Bill Turner with the review of the geophysical related papers.
- **Discussion on Technical Activities for Conferences by GEC**
 - **GeoCongress 2006, February 19-22, 2006 in Atlanta**
 - Glenn Rix and Dennis Hiltunen organized a session entitled “Uncertainty in Surface Wave Inversion.” Barbara Luke organized a panel discussion session on “When Geophysics and Engineering Collide.”
 - **SAGEEP, April 2006 in Bellevue, WA**
 - GEC (Gucunski and Nazarian) is sponsoring one session entitled “Use of Geophysics in Transportation Engineering.
 - GEC along with EESDC (Luke and Kramer) is sponsoring on session entitled ‘Use of Geophysics in Earthquake Geotechnical Engineering.’”
 - **Phoenix, ISSMGE TC-9 UNSAT Conference April, 2006**
 - GEC (Rucker and Nazarian) is organizing one session entitled “Use of Geophysics in Arid Regions.” Due to session limitations the conference organizers combined this session with one organized by EESDC.
 - **Denver Annual Meeting, Feb/March, 2007**

- Because of concentration of Geophysicists in Denver, GEC should focus on this.
 - Khamis Haramy, Brent Rosenblad, Phil Sirles and Bill Yu will organize a mini-symposium tentatively entitled “Value-Added Geophysics for Engineering.” Sessions may tentatively include Planning, Construction Quality Control and Forensic.
- **Earthquake Engineering and Soil Dynamics IV, Sacramento, 2008**
 - Because of strong component of Geophysics in EESD work, GEC should be actively involved in this conference.
 - Tentatively GEC will provide sessions and mini-tutorial
 - Soheil Nazarian is organizing a field demonstration of the geophysical methods used in pavement evaluation to be coordinated with the Accelerated Pavement Testing facility of UC-Davis
 - Dennis Hiltunen is the Program Chair of that conference, and will facilitate the participation of GEC members
- **Pre-Failure Deformation Properties of Geomaterials Conference, 2007**
 - Glenn Rix, one of the organizers of the conference, encouraged the members of the GEC participate in the conference to be held in Atlanta on 19-21, September.
- **Others to be considered in next Committee Meeting**
 - **FMGM Instrumentation Symposium** (Boston, September 2007)
 - **Geoenvironmental 2100**, GI Annual Meeting (Chicago, March 2008)
 - **Foundation Congress**, GI Annual Meeting (Houston, 2009)
- **Membership Update/Rotation**

We have been fortunate to add a number of new members with diverse background to GEC in the last two years. The new members that mostly represent the industry and geophysical committee should strengthen are committee. This year we added Bill Yu of Case Western Reserve.

GI has a new policy about the rotation of members, which require regular participation in GI annual meetings and strong participation in organizing sessions and reviewing papers. This policy will be distributed shortly.

- **GEC Participation in Proposed Workshop on Dynamics of Foundations**

Dennis Hiltunen reported that a NEES pay-load project has been approved and work will be carried out this summer.

- **Interaction with EEGS and Other Engineering Geophysics Groups**

GEC is enjoying close collaboration with EEGS and the Geophysical Engineering subcommittee of TRB. Several members of the EEGS joined the GEC in Austin, and Khamis Haramy of TRB subcommittee also is a member of GEC. Dialogue is on the way to strengthen the cooperation even further and minimize overlap.

This year GI, in general, and GEC, in particular, is a co-sponsor of the FHWA Geophysics 2006 Conference to be held in December in Missouri. GEC extended their assistance to the organizers of that conference.

- **Special Projects**

- GEC decided to request funds from the GI Special Project Funds to collect data for a prediction symposium on Surface Wave Inversion.
- A proposal will be submitted shortly to combine this work with the deep foundation prediction activities.

- **Committee Performance Criteria**

- **Each Committee to Submit a Proposal for 1 short Course for Sections and Branches**

GEC will put a short course together on the Bridge Deck Evaluation. Gucunski and Nazarian will coordinate this.

- **Each Committee to Submit a Proposal for 2 Webinars**

GEC members were encouraged to organize these. More discussion on this subject will be carried out after the GI Board provides more solid directions.

- **Each Committee to submit 4 Speaker's Bureau Entries**

Everyone was encouraged to register at <http://www.geoinstitute.org/speaker/become.cfm>. Please let Nazarian know when you register.

- **Each Committee to Develop a Mission Statement**

The current mission statement is as follows.

"The geophysical engineering committee exists to promote the responsible use of geophysics in engineering. We serve both the engineering and geophysical communities."

It is recommended to change the mission statement to

"The geophysical engineering committee exists to promote the responsible use of geophysical methods and nondestructive testing and evaluation in engineering. We serve both the engineering and geophysical communities."

- **Updating GEC Webpage**

Paul Michael is doing an excellent job of posting and updating the webpage at the following URL. GEC members are encouraged to send information to Paul for posting

 - http://cgiss.boisestate.edu/~pm/geoph_cmtty/index.html or
 - <http://www.geoinstitute.org/committees/committees.cfm>
- **Other Business**
 - **Nomination for GI and ASCE Awards**

Dante Fratta would lead this effort. All members are encouraged to forward excellent papers that they encounter as related to Geophysics for nomination to Dante
 - **Nomination to ISSMGE**

The nomination of Dennis Hiltunen to TC-10 was forwarded to Dick Woods.
 - **Emeritus Members**

GEC is honored that Ken Stokoe and Dick Woods have accepted to be Emeritus Members of the Committee. These two individual are indeed the pioneers in our field.