MEETING MINUTES

27 March 2012

Location: Marriott Hotel
Oakland, California

Committee Chairman: Kyle Rollins, Brigham Young University
Recorded by: Antonio (Tony) Marinucci, ADSC (committee secretary)

This meeting was called to order by K. Rollins, committee chairman, at 8.05pm (local time)

Minutes of the Meeting

1. Meeting was started with a welcome by K. Rollins, followed by a self-introduction of meeting attendees
    - The officers of this committee are as follows:
        - Committee Chairman: Kyle Rollins, Brigham Young University
        - Vice Chairman: Kord Wissman, GeoPier Foundation Co.
        - Secretary: Antonio (Tony) Marinucci, ADSC
    - Other non-officer positions for this committee are as follows:
        - Web master: Armin Stuedlein, Oregon State University
        - Awards Subcommittee Chairman: Jie Huang, UT-San Antonio
2. Update from GeoInstitute (TCC) and Upcoming GeoInstitute Conferences - Vern Schaefer
    - Budget Item
        - GI Technical Committees can get up to $3,000 from the TCC
        - $1,500 of that allotment can be used to support travel for younger members
        - The monies can be used for IT support, special projects, etc.
        - The TCC is looking for proposals for the special projects (the appropriated fund is never fully spent)
        - Need to submit proposal ideas to Committee Chair, who then submits to TCC
    - Upcoming Conferences
        - 2012 Conference in Oakland – more than 1,400 attendees with more than 400 students in attendance
        - 2013 – San Diego – *Stability and Performance of Slopes and Embankments* - looking for a couple of sessions for this conference
        - 2014 – Jacksonville, FL (?) – theme of the conference will most likely be sustainability
        - 2015 – San Antonio, TX (?) –Possibly partnering with ADSC on EXPO-type conference
        - 2015 – location unknown – a specialty conference on Deep Mixing; standalone conference or combine with GI Annual Conference?; Collaborate with DFI? Need to discuss with GI Board first; expect 400-500 attendees
        - 2016 – location unknown – this will be a joint meeting with Structures Institute (SEI) and Construction Institute
        - 2017 – location unknown – this will be a congress on case histories
        - 2022 – New Orleans, LA – Grouting and Deep Mixing Conference

3. Update/Correlation with DFI Ground Improvement Efforts - Mary Ellen Bruce
    - M.E. Bruce provided an update on DFI activities and passed out a handout to attendees (attached to minutes)

4. Update on Web Site Development - Armin Stuedlein
    - A. Stuedlein presented two potential looks for website – some discussion
        - At the time of the meeting, the temporary URL for website was http://groups.engr.oregonstate.edu/soil-improvement/index.php
    - The website will be used to promote agendas and minutes, awards, events, call for papers, projects, roster (with contact info) of members, links to other pages, list of publications (pertaining to soil improvement), conference sessions, etc.
    - Currently have more than 40 committee members
    - Need to determine what contact information to make public on website – discussion on what to show and who determines (by chair/committee or by each individual member?)
    - May request some funding from TCC for development, maintenance, etc. for website

5. Report on Ground Improvement Session for GeoCongress 2012: "Soil Improvement Solutions for Seismic Hazards" – chaired by Dave Dailer and Jim Hussin – J. Hussin gave recap
    - Almost all speakers showed up (7 of 8)
    - Good presentations with good attendance (more than 60-70 people); questions from the audience filled remaining time; there was good interaction and participation

5a. State-of-the-Art Presentations on Soil Improvement were made by James Mitchell and V. Schaefer (SHRP2 Project) and by George Filz (Column Supported Embankments)

6. Report on session proposal for GeoCongress 2013- Stability and Performance of Slopes and Embankments III – G. Filz and K. Rollins
    - Session proposal was attached to this meeting's agenda
        - Proposed Session Title: "Soil Improvement to Stabilize Dams, Embankments, and Natural Slopes"
        - Need volunteers for additional session Chairs/Co-chairs
        - Deadlines for Abstracts is set for 04 April 2012, most likely will be extended 2 weeks
        - Sessions will be based on the abstract topics that are received and approved
        - Levees have been a hot topic lately, most likely will have many papers on this topic
        - Concept for papers / presentations:
            - "Idea" – 4 pp
            - "Regular Paper" – 8-10 pp
            - "Case History" – 15-16 pp
        - K. Rollins to send out more information pertaining to the sessions
    - The goal is to have 50% papers / 50% posters – want to encourage participation at the conference
        - The concept is to reduce sessions and/or concurrent sessions/tracks
        - There would be awards for poster presentations (possibly held in exhibit area)
        - The concept would be to submit abstract as usual, then the reviewers would decide whether it is a paper presentation or poster presentation
        - Need to solicit other groups (e.g., Bureau of Reclamation, Army Corps of Engineers, etc.) who do a lot of soil improvement work
        - A. Stuedlein, Tim Siegel, K. Wissman, Roberto Lopez will work together to help solicit sessions on soil improvement, contact potential authors, and coordinate reviews/sessions

6b. Session Proposal proposed by Jie Han and G. Filz for GeoCongress 2013 – Column Supported Embankments (Panel or Workshop)
- G. Filz submitted original proposal, but it needs revising
- (More sessions need to be submitted for Soil Improvement)

7. Developments in Ground Improvement
- Update on SHRP2 Ground Improvement Expert System - V. Schaefer
  - Phase II of project is complete
  - Phase III, beta test - performed by FHWA and a select group
    - The website should be available by end of summer 2012
    - The website will include 46 technologies, 8 products, fact sheets, design guidance, specifications, design information, references, etc.
    - The beta version will be in operation for approx. 18 months, and users will be allowed to make comments during that time
  - Phase III, implementation – will make changes based on comments
  - The site will be hosted by Iowa State for the first 2 to 3 years (at least)
- Publication of NCHRP Report 697 "Design Guidelines for Increasing the Lateral Resistance of Highway Bridge Foundations by Improving Weak Soils" – K. Rollins
  - K. Rollins provided a brief synopsis of the report
  - The report is available for free (in .pdf) or for purchase (hard copy) on TRB website

8. Regional Ground Improvement Seminars – K. Wissman
- In 2011, seminar was held at Oregon State; approx. 95 attendees
- In 2012, seminar was held at BYU; approx. 120 attendees
- Nothing finalized for 2013 yet
- Approx. breakdown of attendees at these seminars – 60% local consultants, 40% academia; mostly geotechnical professionals
- Each of the seminars consisted of multiple presenters with varied topics and a panel discussion
- Feedback – well received by attendees, and met the needs and expectations of attendees
- Need to gear these seminars to the local needs and interests of potential attendees
- Notes made by K. Wissman are available on handouts (attached to minutes)

9. Webinars
- Need to develop webinars to promote general or a series of topics
- Funds from the TCC can be used to develop webinars
- Question: Can seminars be recorded and be made available on website?
- K. Rollins will look into developing a webinar based on NCHRP Report 697 (see above)
- Webcast vs Webinars
  - Question: Can seminars be recorded / be made available live or after the seminar?
  - Question: Can seminars be made available live to those outside a radius from event?

10. Award nominations for Ground Improvement - Jie Huang
- No nominations were made for GeoCongress 2012
- J. Huang stated that there are 8 awards, 7 of which must include a paper
- J. Huang passed out a handout to attendees (attached to minutes) with list of available awards; also refer to ASCE/GI website for more information
- Need to compile a list of papers and one of case histories (maintained periodically) within the award year to inform committee to make nominations
- Ali Maher, D. Dailer, A. Stuedlein, and Prabir Kolay volunteered to assist J. Huang with effort

11. Other upcoming conferences
    - 2014 – Jacksonville, FL - Site Characterization and Sustainability
        - Possible topics include:
            - Geotechnical asset management
            - Carbon footprint of various soil improvement technologies
            - Pollutant effects
            - Performance of soil improvement via testing
        - Sustainability conference in Dallas in October 2012

12. International Symposia
    - Upcoming ICSMGE Conference in Paris (2013?)
        - Can this committee put on a 1 day workshop at this conference?
        - Need to approach appropriate committee / programs chairs to determine interest
        - Abstracts are due on 15 April 2012

13. Other new business or topics to discuss?
    - No other new business was brought up.

Meeting was adjourned at 10.15pm (local time).

Meeting Attendees

Name	Affiliation	Email
Jose Clemente	Bechtel	jlclemente@bechtel.com
Lisheng Shao	Hayward Baker	lshao@haywardbaker.com
Ali Maher	Rutgers University	mmaher@rci.rutgers.edu
Vern Schaefer	Iowa State University	vern@iastate.edu
Jie Han	University of Kansas	jiehan@ku.edu
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Armin Stuedlein	Oregon State University	armin.stuedlein@oregonstate.edu
Angel Palomino	University of Tennessee	apalomino@utk.edu
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Kyle Rollins	Brigham Young Univ.	rollins@byu.edu
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Buddhima Indararatna	Univ. of Wollgang (Australia)	indra@uow.edu.au
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Xiaoming Yang	LA Transportation Research Center	xiaoming@lsu.edu
Muhannad Suleiman	Lehigh University	mts210@lehigh.edu
Emre Biringen	Bechtel Power	ebiringen@bechtel.com
Prabir Kr Kolay	Southern Illinois Univ. - Carbondale	pkolay@siu.edu
Mary Ellen Bruce	DFI	mebruce@dfi.org
Dave Dailer	CH2M Hill	ddailer@ch2m.com

Proposed Session for 2013 Geo-Congress: Stability and Performance of Slopes and Embankments III

In response to the "Call for Proposals", the following information is offered to the 2013 Geo-Congress Organizing Committee:

(a) Session Name

Soil Improvement to Stabilize Dams, Embankments, and Natural Slopes

(b) Brief Description

Soil improvement technologies are widely used in modern geotechnical engineering practice to stabilize foundations and slopes of dams, levees, and embankments, as well as natural slopes. Accordingly, soil improvement deserves prominent representation in 2013 Geo-Congress. Papers are sought in analysis, design methodology, construction practices, case histories, performance monitoring, durability, sustainability, and remedial measures for application of soil improvement to stabilization of embankments and slopes. A key criterion for paper acceptance will be that useful contributions be made to the state of knowledge. For example, case-history papers should include descriptions of subsurface conditions, soil improvement details, applied loading, and performance measures.

(c) Sponsoring Committee

Soil Improvement Committee of the ASCE Geo-Institute

(d) Session Leaders and Primary Contact

The session leaders will be drawn from the Soil Improvement Committee, and George Filz (Virginia Tech, 540-231-7151, filz@vt.edu) will serve as the primary organizer and contact.

(e) Tentative List of Authors and Paper Titles

In lieu of a list of authors and paper titles, the Soil Improvement Committee provides this plan for soliciting quality contributions:

a. The session will be advertised through the USUCGER listserv
b. Soil Improvement Committee members will make personal contact with individuals, agencies, consulting firms, and construction companies that have established research and practical experience in application of soil improvement technologies to stability problems
c. Contacts will be made with other professional organizations, such as the Deep Foundations Institute, that are active in soil improvement technologies
d. Contacts will be made with the appropriate committees of the ISSMGE

Because this is such an important area of practice, we anticipate a substantial response to the call for papers. We think it is entirely possible that multiple sessions will be appropriate to

accommodate a large number of high quality papers. We see the potential for both podium and poster presentations associated with this topic, and the distribution of papers within these two formats would be decided based on the request of the authors and the review process itself. We anticipate that geotechnical construction companies will be very interested in submitting papers, which will help increase participation of these companies in exhibiting and sponsoring conference events. The paper review process and the session management will be conducted to assure appropriate content and high technical quality.

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REGIONAL GROUND IMPROVEMENT SEMINARS

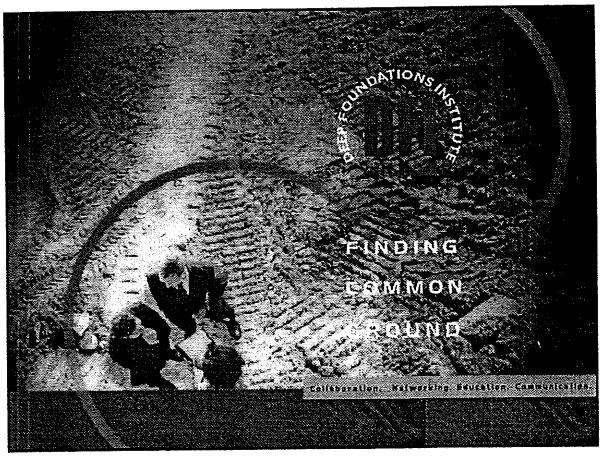
1. Short history:
   - 2011 - hosted by Armin Stuedlin (Oregon State)
   - 2012 – hosted by Kyle Rollins (BYU)
2. 2012 – Seminar:
   - Approx 100 attendees
   - Mostly from UT. Some from CA and ID.
   - Mostly consultants. Some academia.
   - Mostly geotechs. Some SEs

REGIONAL GROUND IMPROVEMENT SEMINARS

3. 2012 Speakers:
   - Tim Avery – HBI (introduction)
   - Kyle Rollins – BYU (SI for improving lateral resistance)
   - George Filz – VT (SHARPII)
   - Kord Wissmann – GFC (aggregate piers)
   - George Filz – VT (soil mixing)
   - Lisheng Shao – HBI (vibro for liquefaction)
   - Kyle Rollins – BYU (stone columns + drains)
   - Bill Perkins – S&W (2 case histories)
   - Peter Robertson – Gregg (CPTs)
   - George Burke – HBI (risk)
   - Panel Q&A

REGIONAL GROUND IMPROVEMENT SEMINARS

4. Observations:
   - Well received by audience
   - Reach local consultants
   - P. Robertson's talk generated much discussion
   - Panel discussion and overall Q&A was not strong
   - Balance in speakers important for profession
   - Seems like it meets the needs of many parties
   - Future seminars require somebody willing to host.



DEEP FOUNDATIONS INSTITUTE DFI

PRESENTING

Deep Foundations Institute

Ground Improvement-Related Activities

Mary Ellen C. Bruce, P.E., D.GE.
DFI Technical Activities Manager

Collaboration. Networking. Education. Communication.

Technical Committees

- Augered Cast-in-Place Piles (CFA Piles)
- Codes and Standards
- Driven Piles
- Drilled Shafts
- Ground Improvement
- Helical Foundations and Tiebacks
- Landslides and Slope Stabilization
- Marine Foundations
- Micropiles
- Tiebacks and Soil Nailing
- Seismic and Lateral Loads
- Slurry Walls
- Soil Mixing
- Sustainability
- Testing and Evaluation

Collaboration. Networking. Education. Communication.

Relevant Committee Information

- Ground Improvement (30 members)
  - Chair, Marty Taube, Menard
- Seismic and Lateral Loads (23 members)
  - Chair, Mark Petersen, Shaw Group
  - Trustee Liaison, Matthew Janes, Isherwood Associates
- Soil Mixing (21 members)
  - Chair, Dennis Boehm, Hayward Baker, Inc.
  - Trustee Liaison, Dr. Arturo Ressi de Cervia, Kiewit Construction
- Sustainability (11 members)
  - Trustee Liaison, Patrick Bermingham, Bermingham Foundations

Collaboration. Networking. Education. Communication.

Relevant Committee Publications

- Wick Drain Specification – material standards, equipment requirements, project submittals, construction methodology, measurement/payment (2012)
- Design Guide for Seismic and Lateral Loads – recommended methods for analysis, design and testing of piles for lateral loads (2012)
- Soil Mixing Recommendations – design, construction and QC/QA, measurement and payment (2012)
- Guidance Document for Liquefaction Mitigation – commentary on suitability of liquefaction mitigation techniques (2012-2013)

Collaboration. Networking. Education. Communication.

Committee Project Fund

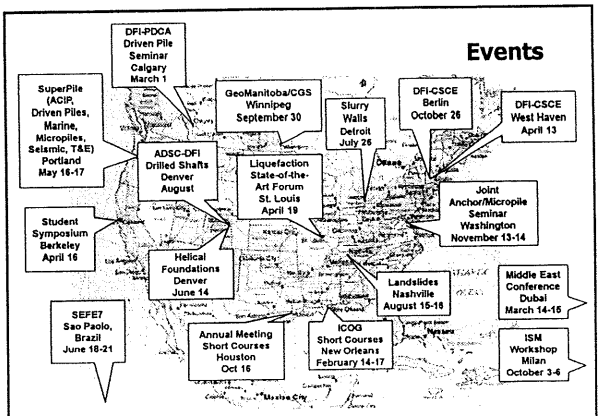
- Research fund for DFI Technical Committees
- Advance state of practice and understanding of deep foundations
- Produce a usable deliverable
- Inaugural year funding amount $100,000US
- Selection criteria
  - Benefits to deep foundations industry (broad impact)
  - Innovation
  - Timeliness/relevance/immediacy of impact from results
  - Quality of proposal (clarity, focus)
  - Value of deliverable
  - Probability of achieving goal
  - Cost/benefit and cost sharing (matching funding, in-kind contributions)
- Next RFP to be issued May 1, proposal deadline December 1

Collaboration. Networking. Education. Communication.

Relevant 2012 Project Fund Awards

Committee	Topic	Deliverable	Funding
Ground Improvement	Survey and synthesis of liquefaction mitigation practices including selection and implementation of ground improvement techniques	State-of-practice overview, transcripts of survey interviews	$15,000 In-kind contributions $15,000
Sustainability (joint project with European Federation of Foundation Contractors EFFC)	Develop a carbon emissions calculator for deep foundations techniques used in Europe	User-friendly, spreadsheet-based calculator tool, associated database of standardized carbon factors	$25,000 In-kind contributions $25,000

Events



Relevant Events

- Liquefaction State of the Art Forum: Consequences and Mitigation
  - April 19, 2012, St. Louis
  - Focus on current research topics
  - Speakers (Profs. Kavazanjian, Cox, Boulanger, Green, Rollins, and Olson; Silas Nichols – FHWA manual)
- ICOG – grouting and deep mixing papers available as GSP through ASCE (Summer 2012)
- DFI Soil Mixing Short Course (February 2012)
- SEFE7 – Brazil Conference – Sessions on Ground Improvement (June 2012)
- Short Course DFI Annual Conference – Houston 2012 – Practical, Prudent, and Effective Use of Computer Software for Lateral Analysis of Deep Foundations
  - Presentations on LPILE, GROUP, FLAC3D, PHASE3D or SLIDE, FB Pier, and DFSAP
  - Moderators: Tim Siegel, Dan Brown and Associates, and Dr. Wei Zheng, Black & Veatch

U.S. Army Corps of Engineers Seepage Cutoff Working Group

- Workshop – December 2012
  - DFI consensus presentations
  - Element walls, continuous walls, deep mixing, jet grouting
  - Candid discussions on quality, contracts and specifications
  - Presentations and summary notes posted
- USACE developing engineering manual
- Next workshop – July 2012 – drilling and grouting pressures
- Cutoff Wall Symposium – August 2013 with ICOLD

Research Collaboration

- Reinforcement Advisory Board
  - Improve site class by reducing ground shaking (deep mixing or jet grouting)
  - Proposal resubmitted, pending approval
  - 13-member, broadly disciplined advisory board
  - Practical input to research

VirginiaTech

National Highway Institute Partnership

- Partnership to deliver geotechnical courses
- Ground Improvement Techniques (Course 132034)
- LRFD Seismic Analysis and Design of Transportation Structures, Features, and Foundations (Course 130094)

NHI
NATIONAL HIGHWAY INSTITUTE

Other Activities

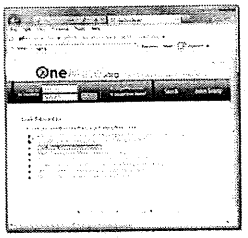
- Codes and Standards – 2012 Code Proposals
- Seismic – collaboration with CTBUH
- Sustainability – Sustainable aspects of technologies
  - Lead not follow
  - Committees encouraged to open discussion on Materials, technologies, lean design methods, carbon footprint calculators and database values, etc.
- Energy Piles Research – international collaboration with Virginia Tech
- Embodied Energy – National Research Council collaboration – draft Statement of Task developed

Other Activities

- Drilled Shafts and Slurry Walls
  - Primer and specifications on stabilizing fluids (jointly with ADSC)
  - Rebar design procedures, collaborate with ASCE Safe Handling Guidelines
- Piles
  - Pile cap design review and research (jointly with Concrete Reinforcing Steel Institute)

One Mine – Document Repository

- Online search engine and resources library
- Access to over 70,000 technical documents related to foundation, construction, tunneling, geology and mining/ materials. Complimentary with DFI membership
- www.one-mine.org

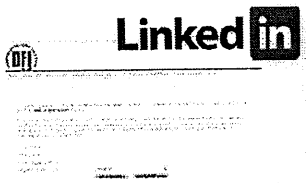


DFI Journal

- Invitation to submit papers for consideration
- Journal network
  - Link members with data to students and/or professors with time

Q&A Services

- Submit questions to committee members on www.dfi.org
- Discussion portal on LinkedIn



DFI Staff and Contact Details

Theresa Rappaport, Executive Director
Mary Ellen Bruce, P.E., D.GE, Technical Activities Manager
Shirin Madon, Office Manager
Katie Criqui, Event Coordinator
Erin Groenewal, Event Associate
Laurie Seebach, Administrative Assistant

DFI Headquarters
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Geo-Institute: Soil Improvement Committee
Award Nomination Procedure (tentative)

DRAFT

The following process is for nominations of papers eligible for ASCE paper awards within the scope of the Soil Improvement Committee

1. Organize Ad-Hoc Committee:
    a. Annually organize an ad-hoc committee with four members from the membership of the Soil Improvement committee. Nominations (including self nominations) will be sought from the committee and when there are more than four nominations all the committee members will vote to elect the four ad-hoc committee members. The ad-hoc committee will select one individual as the committee chair. Committee should be organized by July 1 annually **(Is it possible to form the committee during ASCE G-I annual meeting???)**. The papers of the ad-hoc committee members will not be eligible for nomination in that year **(Is this rule reasonable???)**.
2. Screening for Eligible Papers:
    a. Ad-Hoc Committee Work: Committee members will commit to reading abstracts of all papers in ASCE JGGE & IJG eligible for the awards **(How about other journals and GSP???)**, typically July of the previous year through June of the current year. They will identify all papers within the scope of the Soil Properties and Modeling Committee. Committee members will skim read all papers as necessary to identify their top three (or two or four) papers of the year.
    b. Soil Improvement Committee Member Work: Review all papers and submit nominations for various awards to ad-hoc committee chair by the pre-determined deadline.
3. Selection of Top Papers:
    a. Ad-hoc committee will identify top three (or two or four) papers out of all papers nominated. In some years there may not be any papers for some awards.
    b. Ad-hoc committee will distribute papers to Soil Improvement committee members and request voting by pre-determined deadline **(simple voting or evaluating each paper by a 1 to 5 scale???)**. The Ad-hoc committee will inform the members which papers are being considered for which awards.
    c. Ad-hoc committee will read all final papers, and meet, via teleconference, to discuss voting and to select final papers for various awards. Votes submitted by Soil Improvement committee will be considered.
4. Submission of Nomination:
    a. Committee will notify committee of final nominees.
    b. Committee will complete required paperwork and submit to ASCE GI.

Paper Awards

Collingwood Prize (Nominations Due Feb 1st)
The Collingwood Prize is awarded to the author or authors, under 35 years of age, of a paper describing an engineering project with which the author is directly connected, or recording investigations contributing to engineering knowledge to which the author has contributed some essential contributions and which contains a rational digest of results.

Peck Award (Nominations Due June 1st)
I. The Ralph B. Peck Award is presented for outstanding contributions to the geotechnical engineering profession through the **publication of a thoughtful, carefully researched case history or histories, or the publication of recommended practices or design methodologies based on the evaluation of case histories.**
II. The award will be given no more often than once a year either to a single author or to two or more collaborating authors for the publication of a case history or histories, or methodologies and recommended practices based on case histories, that provide valuable insights into the geotechnical aspects of constructed facilities. The award may be given for a single paper or for two or more papers written by the same author(s). The published work must involve the evaluation of *subsurface conditions pertaining to the performance of constructed works, with appropriate analysis, description of project design, and recommendations for improved future design and construction practices*. The relevant paper or papers will be cited during the presentation of the award.
III. Emphasis will be placed on a peer-reviewed paper or papers published in an appropriate journal and/or in conference proceedings within an approximate five-year period before the award decision.

Casagrande Award (Nominations Due August 15)
The Arthur Casagrande Professional Development Award is presented in recognition of outstanding accomplishments as evidenced by completed works, reports or papers in the field of geotechnical engineering. The award was established to provide professional development opportunities for outstanding young practitioners, researchers and teachers of geotechnical engineering.

Norman Medal (Nominations Due October 1st)-Best Civil Engineering paper
I. The Norman Medal recognizes a paper that makes a definitive contribution to engineering. It may be presented annually to the author or authors of an original paper not previously contributed in whole or in part to any other association or otherwise appeared in print prior to its publication by the Society. Papers published in the twelve-month period ending with June of the year preceding the year of award are eligible **(May 2010-June 2011 for this year).**
II. Papers written jointly by Society members and nonmembers are eligible, provided at least half of the authors are ASCE members.

Croes Medal (Nominations Due October 1st)-2nd Best Civil Engineering Paper
I. The Croes Medal is awarded annually, under the rules governing the award of the Norman Medal.

II. There is no direct nomination of papers for this award. The pool of nominations for this award is those papers submitted and not selected for the Norman Medal. The medal is awarded to the author, or authors, of such paper as may be judged worthy of the award and be next in order of merit to the paper to which the Norman Medal is awarded. If the Norman Medal is not awarded, the Croes Medal may be awarded to the paper judged worthy for its merit as a contribution to engineering science.

ASCE State of the Art of Civil Engineering Award (Due October 1)
(http://www.asce.org/leadership-and-management/awards/state-of-the-art-award/)
Because the science and art of civil engineering can cope with information expansion only if its most gifted practitioners will review and interpret the state-of-the-art for the benefit of their colleagues, in 1966 the professional associates of John D. Winter, M.ASCE, endowed this prize. It is anticipated that a direct benefit of this award will be the scholarly review, evaluation, and documents of the scientific and technical information needed by the profession.

I. Annually, each institute and division of the Society shall encourage an individual, individuals, or committees to prepare papers on the status of knowledge in special areas of interest served by the institute and division.

II. Papers published in any ASCE publication in the twelve-month period ending with June of the year preceding the year of award are eligible.

III. Membership in the Society is not a requirement for consideration.

IV. Nominations may be submitted by anyone and must be sent directly to the Honors and Awards Program office by October 1. The Honors and Awards Program office will transmit nominations to the appropriate ASCE Organizational Entity for review.

Middlebrooks Award (Nominations Due Nov 1st)-Best Geotechnical Journal paper
I. The award is made to the author(s), of a paper published by the Society during the twelve-month period ending with June of the year preceding the year of award **(May 2010-June 2011 for this year)** which shall be judged worthy of special commendation for its merit as a contribution to geotechnical engineering. No award is made in years in which no paper of suitable merit is published. The papers which receive the Norman Medal and the Croes Medal are not eligible for consideration for this award.

In addition to the paper awards, the Wallace Hayward Baker award is directly relevant to our committee and we could probably solicit name for nomination from our committee for this.

Wallace Hayward Baker Award (Due August 15th)
The Wallace Hayward Baker Award was established in the year 2000 by the Geo-Institute in recognition of the creative and innovative contributions of Wallace Hayward Baker in the field of ground modification.

Criteria

I. The award will be given in recognition of ingenious innovation in the field of ground modification. Emphasis shall be placed on the resourceful development of a new technology or the creative application of existing technology to achieve field performance not previously demonstrated.

II. Justification for the award shall be a major advancement or a career of inventive contributions to the field. Although desirable, the specific basis for the award does not have to be presented in a lecture.

III. The award will normally be given to a single individual and is not restricted to members of the Geo-Institute; in special situations it may be given to a group of individuals.

IV. Not more than one award will be made each year, and no award shall be given if a qualified candidate is not clearly identified.

V. The award consists of a plaque and certificate, suitably inscribed with the name of the recipient, year of the award, and brief citation describing the basis for the award. (Note: We will explore the possibility that the award may be some replica of our profession, such as a drill bit, etc.)

VI. The recipient of the award must be recommended by the Awards Committee and approved by the Geo-Institute Board of Governors.

VII. A nomination must include biographical data for the nominee and a clear description of the basis for the award, including a 20-word-or-less ending to the statement, "The Wallace Hayward Baker Award is given to _____ in recognition of (20 words or less)".

VIII. The recipient or the nominator shall prepare a manuscript describing the basis for the award to be published in "Geo-Strata" within twelve months following receipt of the award.

Nomination Timing

One copy of each nomination must reach the Geo-Institute office in Reston, Virginia by August 15 for consideration of an award for the following year. The nomination must include a brief description of the projects, the innovative approaches utilized, and the results achieved.

List of the candidate papers for Peck awards
Papers published between April 2010 and March 2011)

Journal of Geotechnical and Geoenvironmental Engineering

Chung, S. G.; Lee, N. K. (2010). Smear Effect and Well Resistance of PVD-Installed Ground Based on the Hyperbolic Method. Vol. 136 (4), p640-642

Indraratna, Buddhima; Rujikiatkamjorn, Cholachat; Ewers, Brook; Adams, Mark. *(2010)"* Class A Prediction of the Behavior of Soft Estuarine Soil Foundation Stabilized by Short Vertical Drains beneath a Rail Track." *136 (5),* p686-696.

Helinski, Matthew; Fahey, Martin; Fourie. (2010). "Behavior of Cemented Paste Backfill in Two Mine Slopes: Measurements and Modeling." 137 (2): p171-182.

Rollins, K.M. and Kim, J. (2010). "Dynamic Compaction of Collapsible Soils Based on US Case Histories", Vol. 136, No. 9, 1178-1186.

Journal of Performance of Constructed Facilities

Mekkawy, Mohamed M.; White, David J.; Jahren, Charles T.; Suleiman, Muhannad. (2010). "Performance Problems and Stabilization Techniques for Granular Shoulders." 24 (2), p159-169.

International Journal of Geomechanics

Ghandeharioon, Ali; Indraratna, Buddhima; Rujikiatkamjorn, Cholachat. (2010). "Analysis of Soil Disturbance Associated with Mandrel-Driven Prefabricated Vertical Drains Using an Elliptical Cavity Expansion Theory." 10 (2), p53-64.

Ni, James C.; Cheng, Wen-Chieh. (2010). "Monitoring and Modeling Grout Efficiency of Lifting Structure in Soft Clay." 10 (6), p223-229

Journal of Materials in Civil Engineering

none

GSP 207-Ground Improvement and Geosynthetics (GSP 207) Proceedings of the 2010 GeoShanghai International Conference

Yi,Y., Liu, S., Du, Y., Jing, F., and Gong, N. (2010). " Comparison of Performance between Cross Shaped and Conventional Deep Mixed Columns for Three-Layered Soft Ground Improvement under Embankment Load " p 65-70

Hamidi, B., Varaksin, S. and Nikraz, H. (2010). "Implementation of Optimized Soil Improvement Techniques for a Giga Project " p 87-92

Deng, A. and Xu, S. (2010). "Consolidating Dredge Soil by Combining Vacuum and Dynamic Compaction Effort " p 113-118

Shao, L. and Ivanetich, K. (2010). "Heavy Structures Supported by Soil-Cement Columns." p 125-130

Puppala, A., Saride, S., Archeewa, E., Nazarian, S. and Williammee, R. (2010). "Bridge Approach Settlements: Lessons Learned from Present Case Studies and Ground Improvement Solutions." p 228-238

GSP 211-Advance in Geotechnical Engineering, Proceeding of GeoFrontiers 2011

Zekkos, D. and Flanagan, M. (2011). "Case Histories-based Evaluation of the Deep Dynamic Compaction Technique on Municipal Solid Waste Sites". 529-538

Rudolph, R. W., and Serna, G. E. and Farrell, T. (2011) "Mitigation of Liquefaction Potential Using Rammed Aggregate Piers" 557-566.

Geng, X. Y., Indraratna, B., and Rujikiatkamjorn, C. (2011) "Consolidation of Ground with Partially Penetrated PVDs Combined with Vacuum Preloading" 567-575

Terry, J. D., and Sander, E. J. (2011). "Compaction Grouting as Ground Modification in Karst Geology." 626-635.

Bunting, R.D. and Crincoli, A.S. (2011) "New Jersey Turnpike, Interchange 16W: Embankments over Deep Soft Compressible Clays in the Meadowlands." 728-737

Peck Award (Nominations Due June 1st)

I. The Ralph B. Peck Award is presented for outstanding contributions to the geotechnical engineering profession through the **publication of a thoughtful, carefully researched case history or histories, or the publication of recommended practices or design methodologies based on the evaluation of case histories.**

II. The award will be given no more often than once a year either to a single author or to two or more collaborating authors for the publication of a case history or histories, or methodologies and recommended practices based on case histories, that provide valuable insights into the geotechnical aspects of constructed facilities. The award may be given for a single paper or for two or more papers written by the same author(s). The published work must involve the evaluation of *subsurface conditions pertaining to the performance of constructed works, with appropriate analysis, description of project design, and recommendations for improved future design and construction practices*. The relevant paper or papers will be cited during the presentation of the award.

III. Emphasis will be placed on a peer-reviewed paper or papers published in an appropriate journal and/or in conference proceedings within an approximate five-year period before the award decision.