

Alliance Update: The Geo-Institute of ASCE

ASFEE's Winter Meeting

2:00 PM - 2:15 PM October 6, 2011



**GEO-
INSTITUTE**



GEO-
INSTITUTE

Program Abstract

ASFE has made extraordinary progress in the development of alliances (partnerships and working relationships) of geoprofessional organizations that, like ASFE, are committed to tackling marginalization and commoditization head-on. In this **brief** presentation, Geo-Institute of ASCE President Phil King will update us on activities essential to achieving our common purpose.



GEO-
INSTITUTE

The Institutes of ASCE



GEO-
INSTITUTE

G-I - October 1, 1997



STRUCTURAL
ENGINEERING
INSTITUTE

SEI - October 1, 1997



ARCHITECTURAL
ENGINEERING
INSTITUTE

AEI - October 1, 1998



ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE

EWRI - October 1, 1999



COASTS, OCEANS,
PORTS AND RIVERS
INSTITUTE

COPRI - October 1, 2000



CONSTRUCTION
INSTITUTE

CI - October 1, 2000



TRANSPORTATION
& DEVELOPMENT
INSTITUTE

T&DI - October 1, 2002



ENGINEERING
MECHANICS
INSTITUTE

EMI - October 1, 2007



Geo-Institute's Core Purpose

**To Advance the
Geo-Professional Community**



GEO-
INSTITUTE

ASFE's Core Purpose

**Maximize the Geoprofession's
Importance and Value to the
Marketplace**



Geo-Institute Governors

- Philip G. King, P.E., D.GE, F.ASCE, *President (ASFE)*
- Larry Jedele, P.E., D.GE, M.ASCE, *Past President (ASFE)*
- Craig H. Benson, Ph.D., P.E., D.GE, F.ASCE, *Treasurer*
- William M. Camp III, P.E., M.ASCE **(ASFE)**
- Barbara Luke, Ph.D., P.E., M.ASCE
- Allen Cadden, P.E., D.GE **(ASFE)**
- Patricia J. Culligan, Ph.D., M.ASCE
- William F. Marcuson, Ph.D., P.E., NAE
- Robert Schweinfurth, M.ASCE, *Director, Board Secretary*



GEO-
INSTITUTE

Geo-Institute Staff

- Rob Schweinfurth – Director
- Linda Bayer – Manager
- Helen Cook – Board and Program Specialist
- Liz Schulz – Coordinator
- Elizabeth Cuscino – Administrative Specialist



GEO-
INSTITUTE

G-I Organizational Members

All 58 Members!!!!

- AECOM
- AMEC Geomatrix
- Anderson Drilling
- Ardaman & Associates, Inc.
- Bechtel
- Bentley Systems
- Brayman Construction Corporation
- CH2M Hill
- Con-Tech Systems, Ltd.
- D'Appolonia
- DBM Contractors, Inc.
- ECS Limited
- Envirocon, Inc.
- Fudo Construction, Inc.
- Fugro Consultants, Inc.
- GRL Engineers, Inc./Pile Dynamics
- Gannett Fleming, Inc.
- Geocon Incorporated
- Geokon, Inc.
- Geopier Foundation Company



GEO-
INSTITUTE

Organizational Members

- Geo-Solutions, Inc.
- GeoStructures, Inc.
- Geosyntec Consultants
- Geotechnology, Inc.
- Geoteknik
- Golder Associates Inc.
- Haley & Aldrich, Inc.
- Hayes Drilling, Inc.
- Hayward Baker Inc.
- HB Wick Drains, Inc.
- Insulfoam
- Kleinfelder, Inc
- Langan Engineering & Environmental Services, Inc.
- Layne GeoConstruction
- Loadtest, Inc.
- Lodex Engineering
- Malcolm Drilling Company, Inc.
- McKinney Drilling Company
- McPhail Associates, Inc.



GEO-
INSTITUTE

Organizational Members

- Menard, Inc.
- Moretrench
- NTH Consultants, Ltd.
- Nicholson Construction Company
- PB Americas, Inc.
- RADISE International, L.C.
- The Reinforced Earth Company
- Rembco Geotechnical Contractors, Inc.
- S&ME Inc.
- Sanborn, Head & Associates, Inc.
- Schnabel Engineering
- Schnabel Foundation Company
- Soil and Materials Engineers, Inc.
- Strata Systems, Inc.
- Tencate Geosynthetics
- Terracon, Inc.
- Terra Insurance Company, A Risk Retention Group
- URS Corporation
- ZETAS Zemin Teknolojisi A.S.



GEO-
INSTITUTE

ASCE

2010...2011

The Geo-Institute...
Working Hard For The
Geoprofession





GEO-
INSTITUTE

Member Engagement

Building strong relationships with G-I Chapters, Local Sections and Branches by:

- Formation of Local Involvement Committee
- Site Visits to Geotechnical Groups
- Participating in Geotechnical Group Events
- Chapter, Younger Member and Student Summit
 - July 15-16, 2011 St. Louis, MO



GEO-
INSTITUTE

Member Engagement

Strong Focus on Student and Younger Member Involvement

- Student and Younger Member Participation Committee
- *Student Participation Fund* Providing Funding for:
 - Technical Committee Meetings
 - Geo-competition Events
 - Travel Grants (YMs, GSOs, Regional Events)
 - OMC and Student Reception
- Younger Member Reception



GEO-
INSTITUTE

Member Engagement

Strategic Task Forces Underway

- Annual Meeting – Report
- Geoprofessional Foundation (*Value Proposition*)
- Website
- Women's Geotechnical



GEO-
INSTITUTE

Member Engagement

New Activities & Events Coming Soon!

- Annual Cross USA Lecture Series
 - Fall 2011
- GeoCongress 2012
 - March 25-29, Oakland, CA
- Focus on Continuing Education
- Website Revamp and Enhancement



GEO-
INSTITUTE

Achievements

Conferences

- GeoFlorida 2010
 - 850 Attendees
 - 83 Exhibitors
 - 171 Students
- GeoFrontiers (Dallas) 2011
 - 1,923 Attendees
 - 129 Exhibitors
 - 319 Students



GEO-
INSTITUTE

Recent Achievements

Enhanced Student / Younger Member Program

- Increased Participation in GeoCongress
- Change to Student and Younger Member Participation Committee
- Dedication of Voluntary Contributions
- \$100,000 Contribution from GI & ASCE



GEO-
INSTITUTE

Two Journals

Journal of Geotechnical and Geoenvironmental Engineering (JGGE)

Patrick Fox, Editor-in-Chief

University of California-San Diego



GEO-
INSTITUTE

ASCE

JGGE

Typical JGGE metrics:

- Highest circulation of geotechnical journals
- Largest of ASCE journals
- New manuscripts = 611; revised = 422
- Acceptance rate = 28%
- Impact factor = 1.09
- EBMs → Associate Editors



GEO-
INSTITUTE

IJOG HIGHLIGHTS

International Journal of Geomechanics (IJOG)

Musharraf Zaman
Editor-in-Chief, IJOG



GEO-
INSTITUTE

Geo-Institute Financial Data

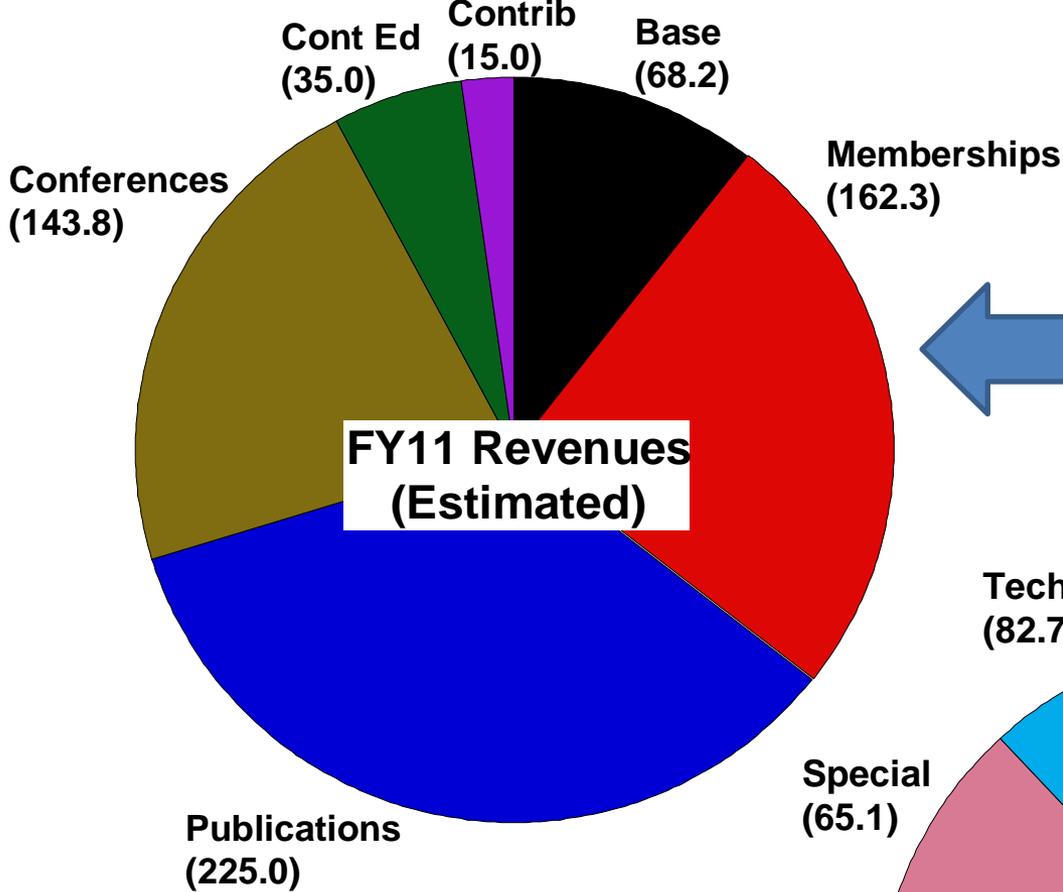
- **2011 Projected Income** **\$ 815,155**
- **2011 Projected Expense** **\$ 873,664**
- **Reserves (Projected 2011)** **\$ 431,204**

Summer 2011: \$46,391 for Chapter / Young Member / Student Summit in St. Louis

Mandate that reserve fund remains less than 50% of expenses. Overage is transferred to ASCE.

FY11

Revenue



Mkt & OM
(19.0)

Tech Comm
(82.7)

Pubs
(33.2)

Student Participation
(22.8)

Special
(65.1)

Task Forces
(15.5)

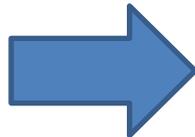
Board
(84.4)

Operations
(380.6)

FY11 Expenses (Estimated)

FY11

Expenses





GEO-
INSTITUTE

Financial Summary Points

- Focus on using revenue to benefit membership
- Grow continuing education
- Investing in ASFE-GI Value Proposition



GEO-
INSTITUTE

ISSMGE Fund

Endowment Fund Balance:

\$398,258 as of 12/31/2009

\$428,015 as of 12/31/2010

The endowment Fund may be used for:

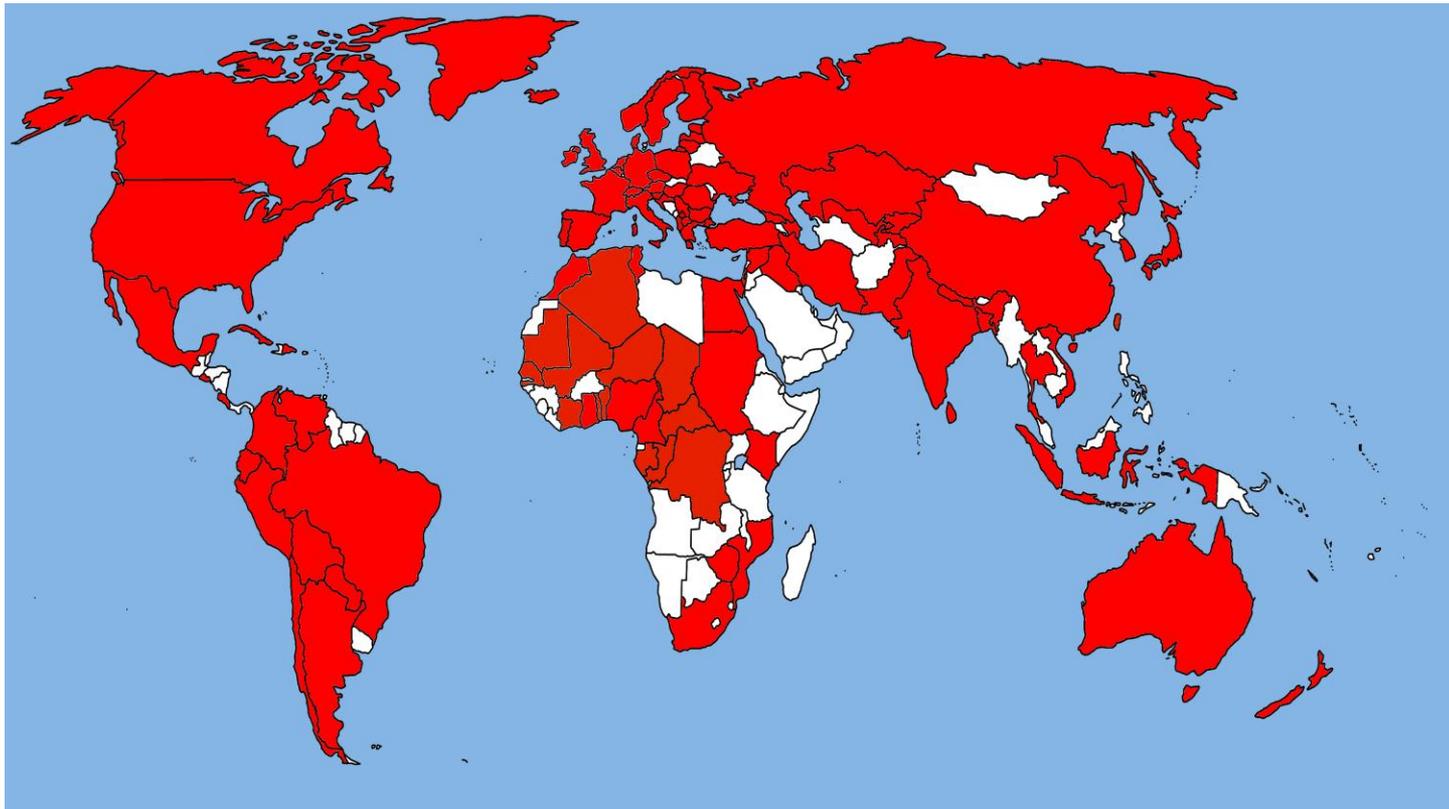
- International Activities of the G-I;
- National and International Programs that Enhance the Practice of Geotechnical Engineering; and,
- Technical Conferences and Publications for the Purpose of Raising Additional Funds.



GEO-
INSTITUTE

ISSMGE today

**88 countries, ~19,000 members,
30 Technical Com., 25 Corporate Associates**





Advanced Professional D.GE Certification

What It Is, Why It's Important

The Academy of Geo-Professionals

About AGP

AGP was founded members of ASCE's Geo-Institute who are practicing geotechnical professionals to improve the practice, elevate the standards, and advance the profession of geotechnical engineers.



Background

The Academy was created to offer the Diplomat, Geotechnical Engineering (D.GE) credential that provide professional engineers an opportunity to gain further recognition in the broad field of geotechnical engineering.



AGP's Goals

- Identify and certify engineers with specialized knowledge in geotechnical engineering for the benefit of the public
- Recognize the ethical practice of geotechnical engineering at the expert level
- Enhance the practice of geotechnical engineering
- Support and promote positions on geotechnical engineering issues important to the public health, safety, and welfare
- Encourage life-long learning and continued professional development



AGP Requirements

- Must have 8 or more years of work experience (post licensure) in an aspect of geotechnical engineering
- Be actively engaged in the professional practice of geotechnical engineering and high ethical standing in profession
- Possess a bachelor's degree in engineering** or a related science + either a masters/doctorate degree or 30 graduate level credit hours

** *non engineering degrees require approval from the AGP admissions committee.*



AGP Requirements

- Possess a valid license to practice professional engineering in the United States
- A commitment to professional ethics
- Submit a completed application, all fees and supporting documentation
www.geoprofessionals.org
- May be required to take an oral examination



ASCE Policy

- The requirements are consistent with ASCE's commitment to "Raising the Bar" for professional practice. (ASCE Policy 465)
- AGP's requirements also rely heavily on ASCE's Body of Knowledge:
 - Technical Knowledge
 - Project Management
 - Business, administration
 - Leadership



Why Become a D.GE?

- Demonstrate your mastery of geotechnical engineering and your commitment to stay up to date on new technological innovations in the field
- Exhibit your commitment to high ethical and professional standards
- Highlight your skills to employers and clients—helping you stand out in the field
- Demonstrate your strong commitment to professionalism through continuing professional development requirements
- Increase your professional value



AGP Board of Trustees



1st Row L to R: Arlan Rippe, T. Michael McMillen, John Anderson, R. Robert Holtz
2nd Row L to R: Larry Jedele, S. Scot Litke, Robert Thompson, Steven Thorne



Summary

- Become part of a growing and important certification program
- Be recognized for your expertise as a geotechnical engineer
- Help “raise the profession” by becoming a Diplomate



For More Information

Visit www.geopprofessionals.org

Email info@geopprofessionals.org

or call (703) 295-6314





GEO-
INSTITUTE

Questions?

www.geoinstitute.org

