



INSIDE THIS ISSUE

- 1 Message from TC212
- 15 President's Reports
- 18 Introduction of Important Candidates
- 19 Introduction of Important Candidates (Prof. Auvinet)
- 21 Introduction of Important Candidates (Prof. Frank)
- 23 Introduction of Important Candidates (Prof. Zhussupbekov)
- 25 Introduction of Conference Candidates (Seoul)
- 27 Introduction of Conference Candidates (Shanghai)
- 29 Introduction of Conference Candidates (Sydney)
- 31 News on Recent Conferences
- 62 Reminiscence; Prof. Finn
- 65 Obituary
- 66 Event Diary
- 74 Corporate Associates
- 77 Foundation Donors
- 79 ISSMGE's International Journal of Geotechnical Engineering Case Histories

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Message from TC212 ACTIVITIES OF TC 212-DEEP FOUNDATIONS & FUTURE GOAL

Chair: Prof.Dr.-Ing. Rolf Katzenbach

Greetings to all members of ISSMGE from the technical committee TC 212 on Deep Foundations which was earlier known as TC 18. As the Chairman of this technical committee on Deep Foundations, I welcome you to read this report which highlights various activities of our technical committee over the span of last four years, i.e. October 2009 to till date, including some additional information like various worldwide major research- and practice-based activities in this broad domain of deep foundations.

The following activities were prioritized by TC 212 - Deep Foundations during the last four years;

- (i) Formation of Task Forces for TC 212.
- (ii) Preparation of ISSMGE International Guideline for CPRF.
- (iii) Publication and Distribution of Proceeding of International Conference on Deep Foundations - CPRF and Energy Piles, 15 May 2009, Frankfurt am Main, Germany.
- (iv) Two official meetings of TC 212 members at IS-Kanazawa 2012 and PILE-2013 Bandung.
- (v) International Conferences hosted / supported / organized by TC 212.
- (vi) TC 212 Representative Picture for ISSMGE website.
- (vii) Special Issue of ISSMGE International Journal of Geotechnical Engineering Case History (IJGCH) on Deep Foundations in September 2013 issue, hosted by TC 212 - Deep Foundations.



Message from TC212 (CONTINUED)

Details about the above activities are given in the following section.

(i) Formation of Task Forces for TC 212.

Task Force - 1 : Design and Analysis of Piles and Pile Groups including Design Standards

- Bored Cast-in-situ Piles
- Driven Piles
- Downdrag in Piles
- Pile Stiffness
- Mechanics of Piles
- Pile-Soil Interaction
- Back Analysis, Reliability
- Experimental Validation etc.

Task Force - 2 : Combined Pile-Raft Foundation (CPRF)

- Theory and Experiment
- Numerical Modeling
- Applications
- Cost-effectiveness etc.

Task Force - 3 : Piles subjected to Earthquake and other Lateral Loads

- Piles in Liquefied Soil
- Effect of Lateral Spreading on Piles
- Piles under Wave Loads
- Offshore Piles
- Batter Piles etc.

Task Force - 4 : Energy Pile

- Theory and Experiment
- Seasonal Thermal Storage
- Thermal Soil Properties
- Climate Protection Aspects
- Applications etc.

Task Force - 5 : Quality Assurance of Pile Production with various Field Problems

- Non-Destructive Tests on Piles
- Pile Manufacturing Process
- Wake-Up of Piles
- Equipments for Pile Production and Testing etc.

(ii) Preparation of ISSMGE International Guideline for CPRF.

As an activity of Task Force - 2, for Combined Pile-Raft Foundation (CPRF), a complete ISSMGE international guideline has been prepared. This entire guideline has been published very recently in hard copy book format and now under circulation among all the members of ISSMGE. This ISSMGE guideline for CPRF was thoroughly discussed by the members and friends during the 1st meeting of TC 212 on 19th September, 2012 at IS-Kanazawa 2012 at Kanazawa, Japan. The final report with minor editorial corrections was accepted by huge majority of positive voting by members and friends showing a need for such guideline to be available for our community to practice.

Message from TC212 (CONTINUED)

- (iii) Publication and distribution of Proceeding of International Conference on Deep Foundations - CPRF and Energy Piles, 15 May 2009, Frankfurt am Main, Germany.

Darmstadt Geotechnics No. 18, International Conference on Deep Foundations - CPRF and Energy Piles, May 15, 2009, Frankfurt am Main, Germany, ISBN-10: 3-931396-91-6, ISBN-13: 978-3-931396-91-6, ISSN: 1436-6517, Ed. Prof. Dr.-Ing. Rolf Katzenbach and Compiled by Prof. Deepankar Choudhury and Dipl.-Ing. Hendrik Ramm, Institute and Laboratory of Geotechnics, Darmstadt, Germany, pp. 1-371.

The above publication (in hard copy) has been distributed among ALL the present Members of TC 212 - Deep Foundations, ALL corresponding authors of each technical papers published in this proceedings and ALL former members of TC 18 - Deep Foundations of ISSMGE. Various recipients of the hard copy of the above publications had communicated their words of appreciations by emails.

- (iv) Two official meetings of TC 212 members at IS-Kanazawa 2012 and PILE-2013 Bandung.

The first official meeting (in person) of TC 212 among all the members was held on 19th September, 2012 during IS-Kanazawa 2012 at Kanazawa, Japan. Total 19 members and friends of TC 212 attended the meeting and various issues were thoroughly discussed during this meeting and these deliberations have been recorded in the official minutes of the meeting which were circulated and approved during the next official meeting. This next (2nd) official meeting (in person) of TC 212 members was held on 2nd June, 2013 during PILE-2013 at Bandung, Indonesia. Total 24 members and friends of TC 212 had attended this meeting.

- (v) International Conferences hosted / supported / organized by TC 212.

The following international conferences / symposiums were/are organized with support from TC 212 - Deep Foundations.

- (a) IS Kanazawa 2012 at Kanazawa, Japan, during 18-20 September, 2012. This international symposium was supported by the ISSMGE TC 212 - Deep Foundations. First meeting (in person) of the members of TC 212 was held at this event on 19th September, 2012.



Opening ceremony of IS-Kanazawa 2012, Japan (L-R) Prof. T. Matsumoto, Prof. O. Kusakabe, Prof. I. Towhata, Prof. J.L. Briaud, Prof. A. Zhussupbekov, Prof. D. Choudhury and Vice Chancellor of Kanazawa University, Japan



Prof. Rolf Katzenbach's acknowledgement after receiving ISSMGE Tie from the ISSMGE President Prof. Jean-Louis Briaud at IS-Kanazawa 2012

Message from TC212 (CONTINUED)



Prof. Rolf Katzenbach is delivering keynote lecture at IS-Kanazawa 2012, Japan on 19th September, 2012



Chairman of the plenary keynote session and the ISSMGE Vice President-Asia, Prof. Askar Zhussupbekov is greeting Prof. Rolf Katzenbach after his keynote lecture at IS-Kanazawa 2012



Members and Friends of TC 212 with TC 212 Chair and Secretary during banquet dinner at IS-Kanazawa 2012, Japan



Participants of IS-Kanazawa 2012, Japan on 19th September, 2012

(b) 18SEAGC 2013 at Singapore during 29-31 May, 2013. This International Conference had three (3) exclusive special sessions on 'Deep Foundations' which were hosted and supported by the ISSMGE TC 212 – Deep Foundations. These three technical sessions on 'Deep Foundations' were held on 31 May, 2013 and were chaired by Prof. Rolf Katzenbach (Chair of TC 212) and Prof. Deepankar Choudhury (Secretary of TC 212).

Message from TC212 (CONTINUED)



After keynote lecture of Prof. B. Fellenius on theme Deep Foundations during 18SEAGC 2013 at Singapore



TC 212 Secretary, Prof. Deepankar Choudhury is chairing a technical session on Deep Foundations-I, during 18SEAGC 2013, Singapore.

(c) PILE-2013 at Bandung, Indonesia during 2-4 June, 2013. This International Conference was fully supported, hosted and organized by the ISSMGE TC 212 - Deep Foundations with other institutes and organizations. Among various keynote speakers, Prof. Rolf Katzenbach (Chair of TC 212), Prof. Sang Seom Jeong (Vice-Chair of TC 212), Prof. Deepankar Choudhury (Secretary of TC 212), Prof. Askar Zhussupbekov (Vice President Asia and Member of TC 212), Prof. Limin Zhang (Member of TC 212) delivered keynote addresses during PILE-2013. Also Prof. Deepankar Choudhury (Secretary of TC 212) and Prof. Limin Zhang (Member of TC 212) chaired two plenary sessions of the conference. Second meeting (in person) of the members of TC 212 was held at this event on 2nd June, 2013.



Two eminent keynote speakers Prof. Rolf Katzenbach and Prof. Harry Poulos are getting introduced by the Chairman of the Plenary session - 1 of PILE-2013



Keynote speakers Prof. Deepankar Choudhury and Prof. Limin Zhang are getting introduced by the Chairman of the Plenary session - 3 of PILE-2013 conference on 4th June, 2013

Message from TC212 (CONTINUED)



Selected participants of PILE-2013 conference, Indonesia on 3rd June, 2013



Special Indonesian dinner at hill top of Bandung city for selected dignitaries of PILE-2013 conference at Indonesia

(d) International Conference at Ho Chi Minh City, Vietnam during 5-6 June, 2013. This International Conference was supported by the ISSMGE TC 212 - Deep Foundations. Among various keynote speakers, Prof. Rolf Katzenbach (Chair of TC 212) delivered keynote address during this event. He also chaired a plenary session during this conference.



Prof. Rolf Katzenbach is getting introduced before keynote lecture at Ho Chi Minh City, Vietnam on 5th June, 2013



Question-answer session after the keynote lecture of Prof. Rolf Katzenbach at Ho Chi Minh City, Prof. B. Fellenius is chairing the session

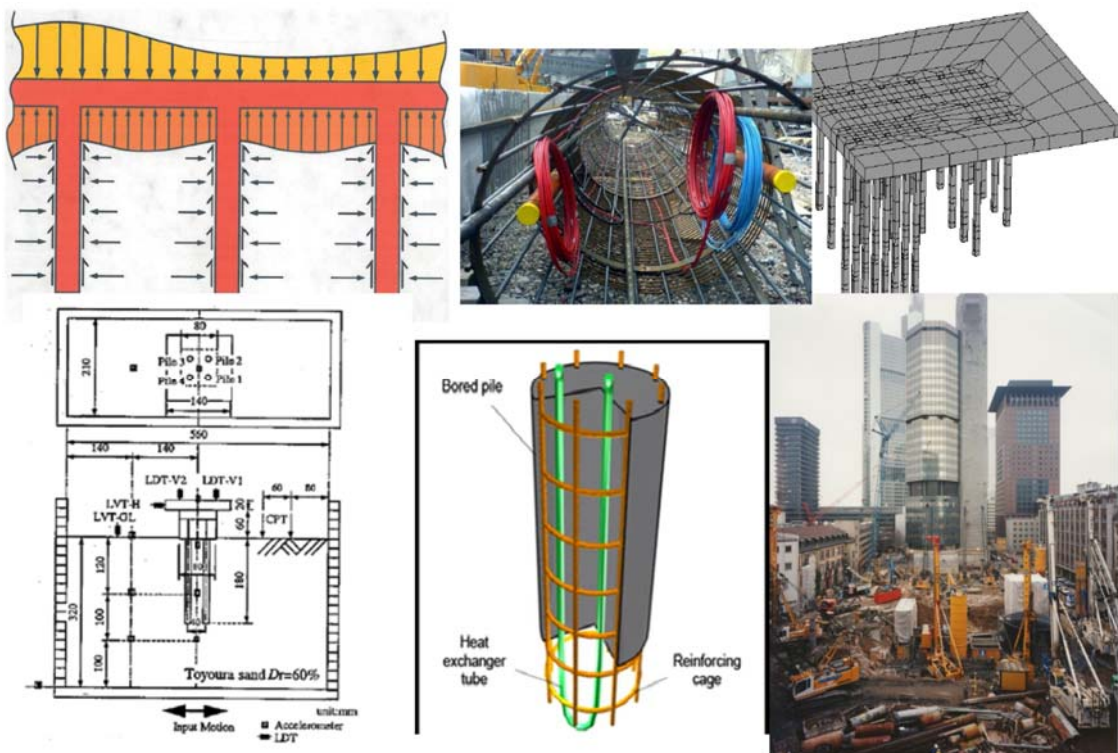
(e) 18ICSMGE at Paris, France during 2-6 September, 2013. This International Conference of ISSMGE will be having two (2) exclusive technical discussion sessions with total 62 numbers of papers which will be hosted by TC 212 - Deep Foundations. The first discussion session - 1 is scheduled to be held on September 5, 2013 during 11:00 - 12:30, which will be chaired by Prof. Rolf Katzenbach (Chair of TC 212) and General Reporter will be Prof. Deepankar Choudhury (Secretary of TC 212). The second discussion session - 2 is scheduled to be held on September 5, 2013 during 14:00 - 15:30, which will be chaired by Deepankar Choudhury (Secretary of TC 212) and General Reporter will be Prof. Der-Wen Chang (Member of TC 212). In addition to these two exclusive TC 212 sessions, a joint discussion session of TC 212+307 on 'Thermal Geomechanics' is scheduled to be held on September 4, 2013 during 16:00 - 17:30 hrs., which will be jointly chaired by Prof. Rolf Katzenbach (Chair of TC 212) and Dr. D. Basu (Chair of TC 307) and joint General Reporters will be Prof. Deepankar Choudhury (Secretary of TC 212) and Prof. A. Puppala (Vice-Chair of TC 307).

Message from TC212 (CONTINUED)

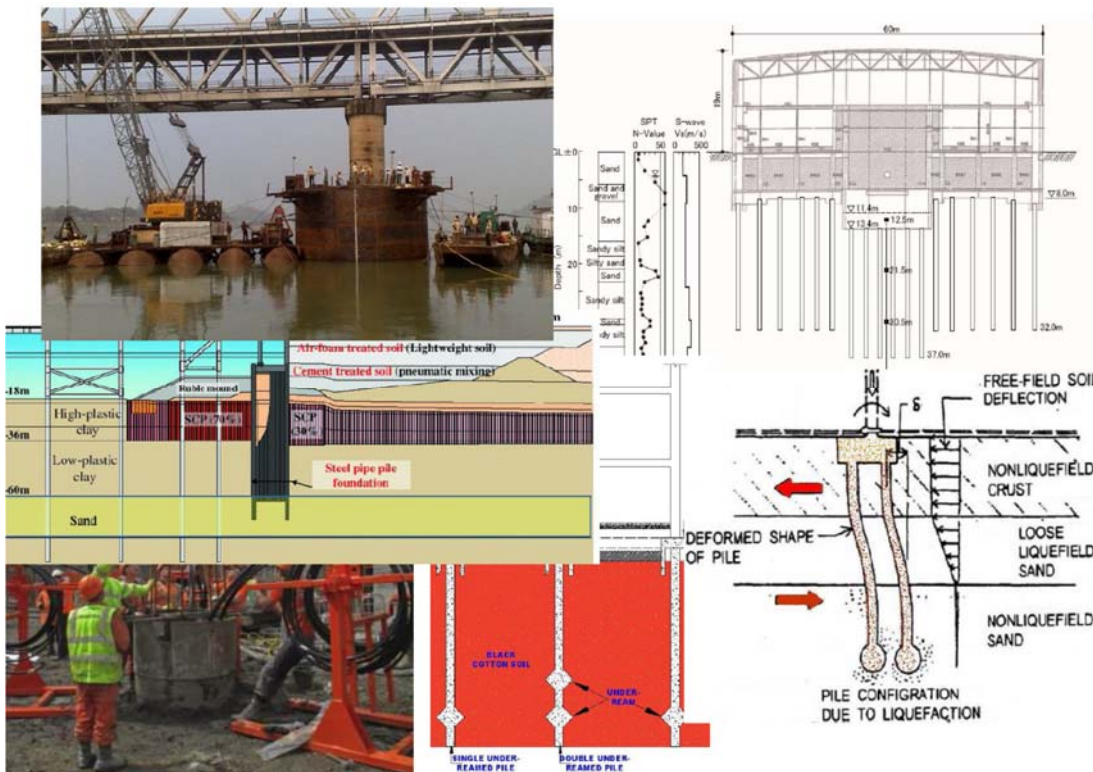
(f) ISAFE-2013 at Singapore during 5-6 December, 2013. This International Symposium is supported and hosted by the ISSMGE TC 212 - Deep Foundations with other organizations and institutes. Among various keynote speakers, Prof. Rolf Katzenbach (Chair of TC 212) will deliver the keynote address during this event.

(vi) TC 212 Representative Picture for ISSMGE website

Based on invitation from Prof. Marc Ballouz, Chair of ISSMGE Publications Committee, TC 212 - Deep Foundations committee has set up representative picture for ISSMGE new website. The following pictures are the representative pictures of TC 212 - Deep Foundations.



Message from TC212 (CONTINUED)



(vii) Special Issue of ISSMGE International Journal of Geoenvironment Case History (IJGCH) on Deep Foundations in September 2013 issue, hosted by TC 212 - Deep Foundations.

It was planned to have one special issue of ISSMGE International Journal of Geoenvironment Case History (IJGCH) specially related to Deep Foundations which will be conceptualized and edited by the TC 212 - Deep Foundations.

TC 212 was very happy to receive the email invitation from Prof. Pedro Seco Pinto, Former President of ISSMGE and the Editor-in-Chief of IJGCH regarding submission of proposal in January, 2013 which was addressed to all TCs of ISSMGE. In response to this email, with approval of the Chair of TC 212, Prof. Rolf Katzenbach, the Secretary of TC 212, Prof. Deepankar Choudhury took initiative and replied to Prof. Pinto on February 22, 2013 with the proposal for a special issue of IJGCH on theme 'Deep Foundations' to appear in September 2013 issue, hosted by TC 212 - Deep Foundations, with Prof. Deepankar Choudhury and Prof. Rolf Katzenbach as Guest Editors. The proposal was approved by Prof. Pinto.

This information was discussed during the meeting of TC 212 members at IS Kanazawa-2012 Kanazawa, Japan on 19th September, 2012 and again during the TC 212 members meeting at PILE-2013 Bandung, Indonesia on 2nd June, 2013. It was also mentioned that in near future (around mid 2014), another special issue of IJGCH hosted by TC 212 - Deep Foundations will come up and a request for submission of good quality of papers to all members were announced.

From the four years of activities and works carried out by TC 212 - Deep Foundations, it was observed that there is a need for the society to come up with design and practice guidelines for various deep foundations and quality control. TC 212 was instrumental and successful to bring out one of the most important ISSMGE international guidelines for Combined Pile-Raft Foundation (CPRF) during this current period. However the other similar guidelines are yet to be published and TC 212 is hopeful that in the next four year term, the other needy international guidelines for various deep foundations design, construction, monitoring, quality control can be published with support from all the members of TC 212.

Message from TC212 (CONTINUED)

The technical publications brought out by TC 212 in the current term is well accepted and recognized by the society for its need and usefulness for practical applications in the area of deep foundations.

All active members of TC 212 are the lifeline of the society and their contributions in various ways are highly acknowledged. It is also recommended to have more active members for TC 212 in near future (for next term) who can contribute for the society with visible outputs.

Various International Conferences/Workshops/Symposiums etc. were organized/supported by TC 212 - Deep Foundations in the present term and also proposed a few in the next term. During these events, one to one personal interaction between colleagues of like-minded who works for the area of Deep Foundations were well observed and the same will be continued in the next term also. The personal meetings of the members during these events as direct interactions of members for TC 212 committee meetings are also found to be fruitful and beneficial for the society and the same practice with more involvement of members is recommended to be continued in the next term also.

Additionally the ISSMGE society journal on case histories, IJGCH special issue hosted by TC 212 on major theme of Deep Foundations will give innovative research and case study details on this area in the entire community. The first such special issue of journal IJGCH will appear in September 2013. It is also recommended that such effort to bring out more such special issues of IJGCH hosted by TC 212 - Deep Foundations is society's need and will be brought out in near future also.

In carrying out all the above activities of our technical committee, all the supports provided by all the members and friends of TC 212 are highly acknowledged. But I must specially acknowledge the extensive help provided and the enthusiasm shown to start various new activities of TC 212 by the Honorary Secretary, Prof. Deepankar Choudhury. I am sure we all together will be able to serve the society much better in near future also.



Secretary of TC 212,
Prof. Deepankar Choudhury

PAST, PRESENT AND FUTURE OF DEEP FOUNDATIONS

Today's world and the future urbanization require more tall buildings and structures which essentially need deep foundations. Beginning in the 70's with the emergence of high rise buildings in Frankfurt am Main, Germany from 40 meters to 100 meters high buildings, the design and construction of foundations were thoroughly carried out by the research group at Technische Universität (TU) Darmstadt, Germany and I was happy to be a group leader of the present program in Geotechnics.

The concept of combined pile-raft foundation (CPRF) was practised and introduced for the foundation construction of Main tower and Messeturm in Frankfurt am Main way back in late 80's. The Combined Pile-Raft Foundation (CPRF) is a geotechnical composite construction that combines the bearing effect of both foundation elements raft and piles by taking into account interactions between the foundation elements and the subsoil shown in figure below. Later the highest building of Germany, 300 meters high Commerzbank Tower in Frankfurt am Main was constructed with CPRF technology for foundation in mid '90s. In addition to design and construction of deep foundations, a constant monitoring on settlements, mainly the differential settlement, is necessary as done for various buildings including the foundations of Deutsche Bank in Frankfurt am Main, Germany.

Message from TC212 (CONTINUED)



Skyline of Frankfurt am Main, Germany with several tall buildings having deep foundations

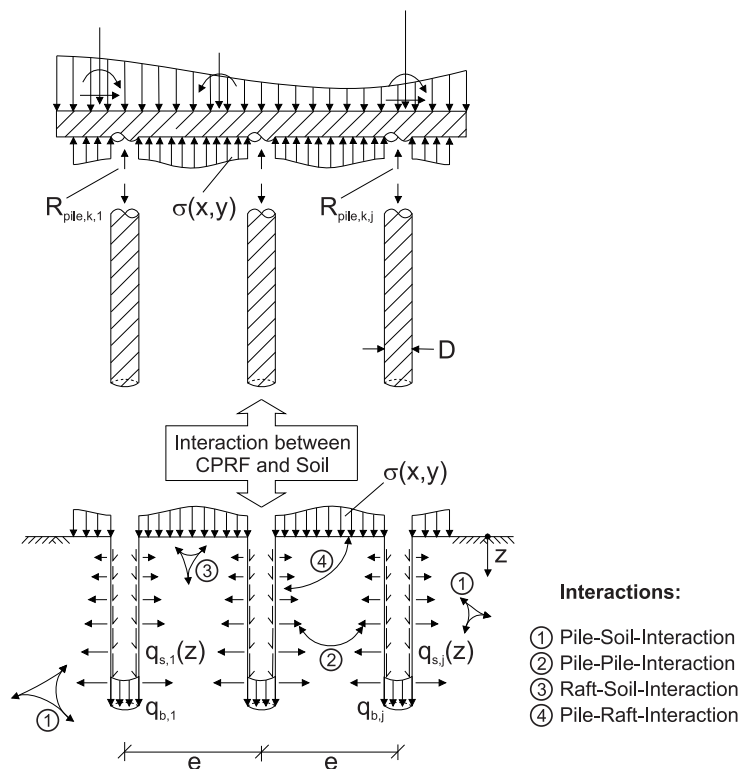
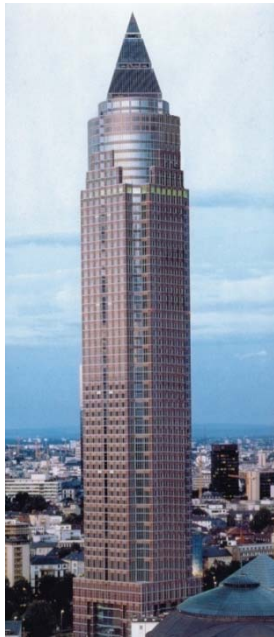
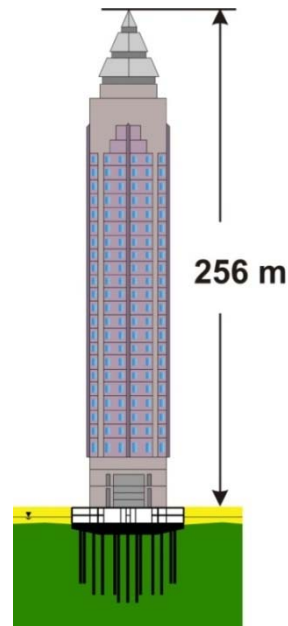


Figure. Combined Pile-Raft Foundation (CPRF) as a geotechnical composite construction and the interactions (after ISSMGE Combined Pile-Raft Foundation Guideline, 2013)

Message from TC212 (CONTINUED)

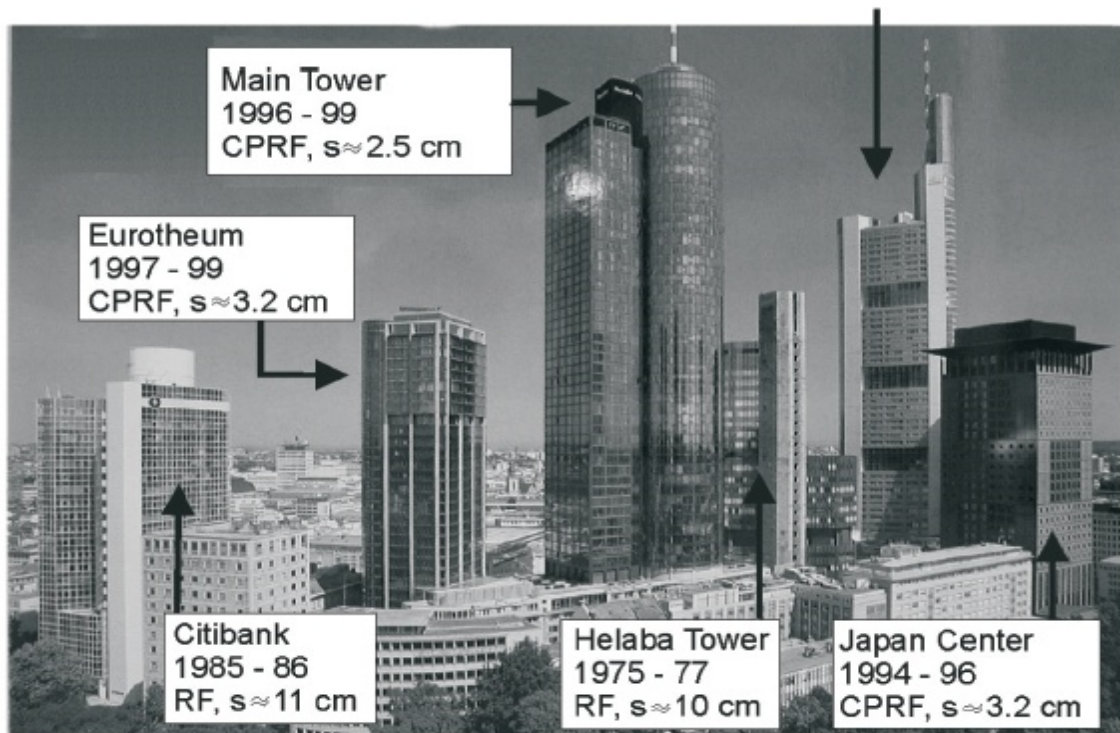


Messeturm, Frankfurt am Main, Germany



Messeturm, Frankfurt am Main, with CPRF

Commerzbank Tower 1994 –1997, PF, $s \approx 2.1$ cm

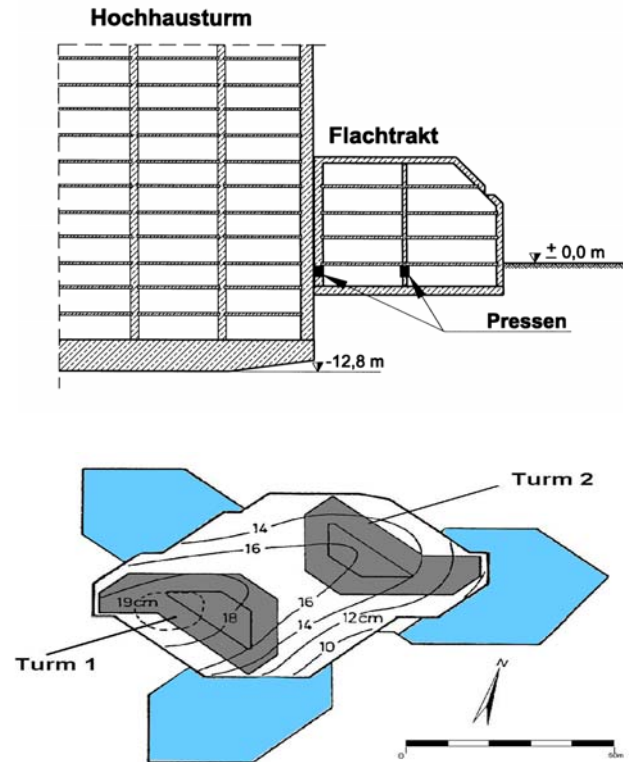


Deep foundations (CPRF applications) for various tall buildings in Frankfurt am Main, Germany

Message from TC212 (CONTINUED)



Deutsche Bank, Frankfurt am Main, Germany



Monitoring of differential settlements of different towers of Deutsche Bank, Frankfurt am Main, Germany



Plan of CPRF with monitoring system for European Central Bank, Frankfurt am Main



European Central Bank, Frankfurt am Main, Germany

Message from TC212 (CONTINUED)

Use of CPRF has not only been proved to be safe and economical but also it saves environment due to savings of CO₂ emissions as shown in several projects which were executed by using CPRF. It is a matter of great concern in present era among Civil Engineers to work towards the quantum of climate change issues and use of CPRF is the sustainable solution towards that aspect.

Also the use of Energy Piles by using the Geothermal energy is today's need for geotechnical engineers to do research and apply in practice. As the Director of the TU Darmstadt Energy Centre, I am pleased to co-ordinate this inter-disciplinary topic of energy conservation, uses and application of geothermal energy for practice in Deep Foundations through use of energy piles should take a lead in the entire world to maintain the conservation of energy and related issues.



Installation of heat exchanger pipes and connection through raft



Installation of Energy Pile

In my present capacity as 'peer reviewer' working with the North American architect, *Adrian Smith & Gordon Gill* designing the tallest building in the world, The Kingdom Tower (1001 meters high) at Jeddah on the Red Sea of the Saudi Arabian Royal family, it is an challenging experience to get involved in one of the complicated design review.

Message from TC212 (CONTINUED)

Proposed Tallest Building of the world
(1001 m) at Jeddah

Foundation plan and starting of construction for highest
building of world in Jeddah

Also in a leading role it was an excellent experience to save the UNESCO world heritage historical structure like the Cathedral of the Holy Family, Barcelona (Cathedral de la Sagrada Familia) from destruction due to adjacent tunnelling activities, which shows the need of research and practical experience of a geotechnical engineer in the field of deep foundations.

On behalf of our TC 212 - Deep Foundations and my personal behalf, I welcome you all to TC 212 meeting and at the discussion sessions of TC 212 at Paris 18ICSMGE in September 2013. Your valuable contributions for the society related to 'Deep Foundations' is a necessity for future growth of mankind and it will be highly acknowledged.

PRESIDENT 1335 DAYS REPORT

Distinguished Colleagues, Dear Friends,

This is my forty fourth progress report after 1335 days as your President. Note that previous reports are on the ISSMGE web site at

<http://www.issmge.org/en/the-society/the-president/progress-reports>

if you need them. In this report, I will talk to you about our upcoming **webinar**, a correction on the **awards** for Paris, and the **Paris 18th ICSMGE conference**.

Webinars. Our next free webinar and the last of my Presidency will be presented by **Harry Poulos** (Australia) on Thursday morning 25July2013 (Sydney time) on the topic of "**Meeting the Challenges of Foundation Design for Tall Buildings**". You can also find further information on our web site <http://www.issmge.org/en/conferences-and-events/upcoming-webinars> or by contacting my assistant, **Theresa Taeger**, at ttaeger@civilmail.tamu.edu. If you missed any of the webinars, you can access the ISSMGE web site at

<http://www.issmge.org/en/resources/recorded-webinars>

and listen to the recording at your leisure.

Awards (correction). I need to make a correction on the date of the award ceremony in Paris. The awards will be given during the lunch on Tuesday 3 September 2013 (not Monday as stated in my last progress report) at the Palais des Congress where the conference will take place.

Paris conference: the 18th ICSMGE. Every four years our profession gets together to celebrate and to learn. This time we will be in Paris, one of the most beautiful and enjoyable cities in the world. The conference will be a wonderful occasion to get together, to exchange opinions about the past, the present, and the future of geotechnical engineering. I truly hope to see all of you in Paris; this is an opportunity you cannot miss as a geotechnical engineer. You can find all the details on the web site at <http://www.issmge2013.org>.

Some Board Level Committees and Technical Committees will meet on Friday 30Aug2013. I will try to attend as many as I can. The ISSMGE Board meeting will take place on Saturday 31Aug2013 and the ISSMGE Council meeting on Sunday 1Sept2013; this is where the election of the next President and the location of the 19th ICSMGE will be decided. The International Young Geotechnical Engineers Conference will take place on Saturday and Sunday 31Aug and 1Sept2013. The plenary sessions will take place on Monday and Tuesday (2 and 3 Sept 2013). They include the Terzaghi Oration by Suzanne Lacasse, 7 other honor lectures organized by TCs, 3 special lectures organized by the French Society CFMS, a report and presentations from the Young Members and a discussion forum on innovations. The concurrent sessions will take place on Wednesday and Thursday (4 and 5 Sept 2013). In addition to the 28 TC-organized discussion sessions, there are 16 workshops also organized by TCs, a Franco-Chinese workshop, a workshop on pressuremeters-ISP6, 3 sessions organized by the International Geosynthetics Society, and more. A total of 772 papers have been received and accepted. About 300 will be presented orally and 120 through posters. Friday is devoted to the technical visits and to a francophone event at the CNAM Museum (where a geotechnical exhibition will be staged starting in June 2013). On the social side, the welcome reception will be on Monday night and the Gala Dinner on Tuesday evening.

We owe a great deal of thanks to all those who have and are contributing to the organization of this huge event. Please don't forget to thank them when you see them next. While it was a team effort, I wish to acknowledge the contributions of **Philippe Mestat, Alain Guilloux, Valerie Bernhardt, Pierre Delage, and Roger Frank**. I probably forget some key people but rest assure that I appreciate everyone's contribution. Thanks to your gift of time to organize this conference the registration fee is a small fraction of what it could be. To all our members, please **register at <http://www.issmge2013.org>**. Note that the **reduced registration period** has been **extended until 16June2013**. Hurry up and take advantage of the discount.

Best wishes and see you in Paris,

Jean-Louis Briaud
President of ISSMGE

PRESIDENT 1370 DAYS REPORT

Distinguished Colleagues, Dear Friends,

This is my forty fifth progress report after 1370 days as your President. Note that previous reports are on the ISSMGE web site at

<http://www.issmge.org/en/the-society/the-president/progress-reports>

if you need them. In this report, I will talk to you about our **upcoming webinar, what happens to TCs in September 2013, Time capsule and PRC work, YGEC conferences, and GeoMap.**

Webinar: Our next and final webinar of my presidency will take place on 25July2013 at 8am Australia Eastern Standard Time. The topic will be "Meeting the Challenges of Foundation Design for Tall Buildings" and it will be presented by **Harry Poulos** who truly needs no introduction. You can find more details about this webinar at

<http://www.issmge.org/en/announcements/611-12th-webinar-professor-harry-poulos>.

As usual **Theresa**, my assistant (ttaeger@civil.tamu.edu), can also help you if you have questions.

What happens to TCs in September 2013: This is a reminder of the ISSMGE Board decision taken about one year ago. The Technical Committees will continue under the current chair without any interruption through the election of the new President. The Chairs will rotate off if they have been in that position for 8 years or more. If they have been Chair for 4 years they can reapply and be selected for another 4 years at which time they must rotate off. The selection of TC chairs will proceed as follows: 1. selection of candidate names by the TC members, 2. vote of the TC committee members to select one name, 3. recommendation of the selected Chair to the Chair of TOC, 4. recommendation of the TOC Chair to the President, 5. the President makes the final decision. This process may take time but the work of the committee will not be interrupted by this process. Let me remind you as well that, according to the new rules, while the voting members of a TC are limited to 2 per Member Society (country), there is no limit to the number of Corresponding Members that a country can have on a TC. In all cases a TC member must be nominated by the corresponding member society in an email to the Secretary General. The goal is to let anyone participate if they wish and are qualified but they cannot continue to be on a TC if they do not contribute.

Time Capsule and PRC work: As you may know, we created about one year ago a Board Level Committee called Public Relations Committee (PRC). The long term goal of this committee is to impact the image of our profession with the general public and the news media. **Marc Ballouz** is the chair of PRC and has accomplished a lot of great work in relatively little time. PRC is working on several projects including a tri-fold on geotechnical engineering, a web site on geotechnical engineering for the general public and news media, a YouTube video on geotechnical engineering and ISSMGE, and a time capsule. The time capsule is what I wish to talk to you about. While the final decision is still in the air, here is what we have in mind. Each society would have the opportunity to place one small item in a barrel size container which would be the time capsule. This time capsule would be kept in a secure place and opened in 150 years. Please bring your ideas, your items to Paris for an exciting discussion of how to optimize this time capsule project. Feel free also to write to me and **Marc Ballouz** with your ideas ahead of time: what should be in the time capsule and how long should it be before it is open again?

YGEC conferences: I would like to encourage all 6 regions of the ISSMGE planet to host at least one Young Geotechnical Engineers Conference every two years. Some regions already do that but some only have one every 4 years. I believe that the time has come where the young generation is being mobilized and would like to have such conferences in each region on a two year basis. Please work with your region Vice President to establish such a sequence in the future.

PRESIDENT 1370 DAYS REPORT (CONTINUED)

GeoMap - I am pleased to announce that GeoMap is a new feature now available in the GeoWorld platform at <http://www.mygeoworld.info/map>. The GeoMap geo-locates all 2200+ members of the GeoWorld professional networking platform, all case histories published in the ISSMGE International Journal of Geoengineering Case Histories <http://casehistories.geoengineer.org>, the most comprehensive database of geo-events (including conferences, symposia, workshops, webinars etc.) positioned on the map, and the latest geo-news as published in the Geoengineer.org News Center. This information is updated automatically, and thus, the map will from now on always feature fresh content. This is yet another innovation of **Dimitris Zekkos** (chair) and his Innovation and Development Committee.

Best wishes and see you in Paris,
Jean-Louis Briaud
President of ISSMGE

INTRODUCTION OF IMPORTANT CANDIDATES

Dear ISSMGE colleagues,

The year of 2013 is an important year for our society. The first reason for this is the International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE) in Paris that celebrates the 75-year history of the society. In response to this, the ISSMGE Bulletin will publish a special issue in September that look through the entire history of the society in both worldwide and regional senses.

The second reason for the importance is the decisions to be made immediately before the Paris Conference on the next President of ISSMGE (2013-2017) and the next venue of ICSMGE in 2017. While those decisions will be made by voting that are made by the representatives of member societies and, hence, most individual members may not be much involved, it is still important that individual members know something about the candidates of the next president and the conference venue. The circulation of information among individual members will eventually make the final decisions more rational and fruitful for the entire community of ours. In this regard, the present issue of the Bulletin distributes brief introductory articles of the candidates.

Because many people have been working hard to win the voting, the Bulletin has to be very careful about the fairness. The published articles are arranged in the alphabetical order of the candidates' family name and city name. Hence, the order of the appearance of the articles does not mean any preference or suggestion. Moreover, the Bulletin publishes the draft articles without modification as long as they satisfy the Bulletin's editorial requirements. In particular, the submitted drafts of ICSMGE candidate hosts were first printed on paper and then were scanned and pasted in the Bulletin. This has made it possible to equally treat the submitted drafts that are slightly different in their easiness of digital handling. If the readers find any editorial problem in the published shape of the article, it is a fault of the Editor and the candidate is never responsible for it.

The Editor of the Bulletin hopes that the individual members read the articles and will understand after the voting that the elected new president and the selected venue of the next ICSMGE are very good ones. It is desired that member societies will carefully study and candidates' proposals and favor the best person and city who seriously devote themselves to the future of our discipline and are enthusiastically prepared to work for the benefit of our profession and colleagues. This is what the July issue of the Bulletin aims.

[The candidates' pages with a better quality is available in the accompanying download file.](#)

INTRODUCTION OF IMPORTANT CANDIDATES (Prof. Auvinet)

New momentum for ISSMGE

Professor Gabriel AUVINET

Professor, National University of Mexico, UNAM (since 1970)

Head, Geocomputing Laboratory, Instituto de Ingeniería, UNAM

ISSMGE Vice-President for North America (2009-2013)

Chair, ISSMGE TC 36 (2001-2009)

President, Mexican Society for Geotechnical Engineering (1991-1993)



Office phone: +52(55)56233500, ext 8324, Cell: +525554122915

<http://www.gauvinetg.org/>

gauvinetg@ingen.unam.mx

President of ISSMGE Candidate (2013-2017)

Nominated by Sociedad Mexicana de Ingeniería Geotécnica, and supported by: Argentina, Canada, Chile, Colombia, Costa Rica, Dominican Republic, El Salvador, Paraguay, Spain, USA, Venezuela

ISSMGE celebrated its 75th anniversary in 2011. It was an opportunity to acknowledge the awesome work performed by our members during this period. To be able to stay on this path of excellence, our Society must remain faithful to the principles of scientific rigor, realism and engineering relevance of our work that were defined by the founders of Soil Mechanics. An Honorary Consultative Group constituted by former Presidents and Vice-Presidents of ISSMGE will be created to perform a technical and scientific audit of our Society and provide advice on general policies of ISSMGE. During the 2009-2013 period, a great effort was accomplished by ISSMGE board and its president to implement a new working structure involving a much larger number of members in ISSMGE management activities. The challenge for the new president during the 2013-2017 period will be to keep this new structure working harmoniously and efficiently. This will require an important input of energy. I am ready as a president to spend most of my time dedicated to the Society during the coming four years. This will imply transferring a large part of my professional and academic duties to my collaborators but I am ready to do that.

To keep improving ISSMGE and its *modus operandi* and adapting it to our evolving profession, priority will be given to fostering scientific and technical advances and ensuring their dissemination within and outside ISSMGE. In particular, I will focus on the following 13 areas:

Technical Committees. ISSMGE's Technical Committees (TCs) are the strongest vehicle involving our members. Their mission should be clarified. Their main objective should be to establish a clear and compact State-of-the-Art reports on their main topic through review of literature, and organizing lectures, workshops and conferences. TCs and Technical Oversight Committee (TOC) operation rules will be reevaluated. TCs will be enabled to keep working in the ISSMGE President interim. Renewal of TC Chairs will be a continuous process based on the TC's performance. Information shall be made to flow seamlessly from TCs chairs to TOC and to Vice-Presidents and the Board. The creation of new TCs will be welcome as long as there is a need for them and people willing to champion them.

Conferences. The International and Regional Conferences, with their professional and friendly content, will remain the main events of our Society. Specialized technical meetings will also be strongly encouraged. However, emphasis will be placed on relevance and quality rather than number of conferences. Conferences will also be better distributed among the six ISSMGE regions to ensure effective technology transfer.

Dissemination within and outside ISSMGE. The web page of our Society will become a hub with steady flow of information among members and potential users. It will include links to the key geo-journals, and academic and professional web pages and easy access to State-of-the-Art ISSMGE reports. The ISSMGE bulletin founded in 2005 will continue, as well as the "Geoworld" professional network.

INTRODUCTION OF IMPORTANT CANDIDATES (Prof. Auvinet)

International Seminars. I have a dream to inject a new impulse to International Seminars and Webinars. Priority will be given to developing and emerging countries, some of whom are deprived of a well-established geotechnical group. Those are the countries that can benefit most from our Society expertise for the development of their infrastructure.

Presence of ISSMGE in the public eye. ISSMGE should be ubiquitous in the media, for example to present outstanding civil engineering achievements, discuss geotechnical risks or comment on natural disasters. Politics concerning relations with civil authorities should be discussed openly, and ISSMGE should be present in public fora. Ready-made videos/YouTube films should be prepared by our Public Relation Committee.

Journals. I will give full support to the ISSMGE Journal of Geo-Engineering Case Histories, encouraging wider participation of ISSMGE practitioner members, the sharing of case histories for teaching, and increased participation by the Technical Committees.

Membership. Increasing the ISSMGE membership and the number of member societies will be a strong priority. Every geo-professional should be an ISSMGE member. Professor Leonardo Zeevaert used to say "*You must sell soil mechanics the same way you sell soft drinks*". Reliable statistics regarding the number of members and their activities should be established at national and international level.

Students and young membership. Students and young members are the future of our society. They will receive my special attention, including e.g., internet/twitter ideas, technical contests during conferences and Young Members Conferences in all ISSMGE regions.

Corporate Associate members. A new synergy should be induced between Academia and Industry. The number of our Corporate Associate Members reflects the relevance of our activities to practical engineering and the prestige of our society. I will work to increase this participation.

ISSMGE Foundation. Contributions from individuals and corporate donors will be encouraged. They open new perspectives for ISSMGE for assisting young members and developing Member Societies in their quest for a full participation in ISSMGE activities.

Awards and Honorary Lectures. Awards and honorary lectures will acknowledge the merits of our more distinguished members, group of members and societies. Their number will however be kept within reasonable limits to protect their prestige.

International Affiliations. Close relationships will be maintained with sister societies such as the International Society of Rock mechanics (ISRM) and the International Association for Engineering Geology and the Environment (IAEG), with the International Commission on Large Dams (ICOLD), the International Geosynthetics Society (IGS) and the International Tunneling Association (ITA). The success of the Joint Technical Committee on Natural Slopes and Landslides illustrates the importance of technical cooperation among learned societies.

Official Languages. ISSMGE is proud of its two official languages. Speaking myself three languages, I know that other languages play an important role in our communication. I believe that it is important that ISSMGE facilitate the understanding of our contributions in other languages in addition to English and French. I will work for expanding the ISSMGE lexicon to other languages.

When President, I will personally visit as many member countries as possible, in order to exchange points of view on our Society. The bulk of my expenses and those of my staff will be covered by my National Society and sponsors to free ISSMGE funding for the fulfillment of its scientific and technical objectives. In 2012, as Vice-President of ISSMGE for North America, I visited 12 different countries. With the help of the Board and of all ISSMGE members, I intend to keep working with the same intensity as President of ISSMGE.

Gabriel Auvinet
President of ISSMGE Candidate (2013-2017)

INTRODUCTION OF IMPORTANT CANDIDATES (Prof. Frank)

Professor Roger Frank's candidacy for President of ISSMGE 2013-2017

R Frank's short biography

(for more details, see full CV under : <http://navier.enpc.fr/~frank>)



Roger Frank was born in 1949 at Roslyn, New York (USA). He was then raised in the UK, in Switzerland and in France. He received his Diploma of Engineering from 'Ecole nationale des ponts et chaussées' (ENPC, National School of Bridges and Highways of France) in 1972. Both his Doctor of Engineering degree (1974) and his Doctor of Science degree (1984) are from Pierre and Marie Curie University of Paris. Roger Frank has devoted his entire professional career to the 'Ponts et Chaussées' (the French Highway Administration). He was first employed by 'Laboratoire central des ponts et chaussées' (LCPC), where he became Head of the Foundations Section in 1983, and Head of the Soil Mechanics and Foundations Division in 1990. From 1992 to 2003, he was the Director of CERMES (ENPC-LCPC), a teaching and research centre in soil mechanics. In 1997, Roger Frank was promoted to the rank of Professor in geotechnical engineering at ENPC.

The main field of expertise of Roger Frank is in situ testing and foundation engineering. He carries out theoretical and experimental research, as well as consulting work for civil engineering projects. He has authored or co-authored 220 papers in journals and conference proceedings, and he has delivered numerous invited lectures in many countries. As a specialist in pile foundation design, Professor Frank has participated in the design of the foundations of several major bridges in the world. Starting in 1989, Roger Frank has been involved in many standardisation committees in France and in Europe, particularly those linked to soil-structure interaction. From 1998 to 2004, he was the Chairman of the European committee in charge of Eurocode 7 on 'Geotechnical design'.

He was the Vice President for Europe of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the period 2005 to 2009 and he is now an appointed member on the Board of ISSMGE for the period 2009 to 2013. He is also the Chairman of the Strategic Advisory Committee for the 18th ICSMGE to be held in Paris, 2-6 September 2013.

The way ahead for ISSMGE for 2013 to 2017 by Professor Roger Frank

The International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) is our learned Society. We are - or we should be - all proud of it. The Society was created by our professional grandparents and parents. Our acting President, Professor Briaud likes to speak of our 'professional family'. Indeed, this is a very appropriate expression.

Before explaining my motivation to become your next President of ISSMGE, I first want to acknowledge the immense task achieved by the Presidents, Officers and all Members of ISSMGE who managed to act together in order to increase the visibility and the role played by ISSMGE in the contemporary world.

Our Society exists and is dynamic. It is certainly on the right track. Its international membership has increased (Member Societies, individual members, Corporate Associates). Many activities, such as conferences and workshops, are organised at national, regional and international levels. There are numerous active Technical Committees which cover most of the subjects of the field of soil mechanics and geotechnical engineering. The Board level Committees (BLC), created recently by Professor Briaud, also play their role in subjects of common interest while preparing recommendations for actions to be considered by the Board (TOC, MPAC, PRC, IDC, AWAC, SYMPG and CAPG). The Journal of Case Histories and ISSMGE Bulletin have proved to be powerful tools for sharing knowledge and experiences. The role of the new initiatives, i.e., the ISSMGE Foundation, the Webinars and the Geo-World network, must also be underlined.

From the administrative point of view, the efficiency of the General Secretariat is acknowledged by the Member Societies, the Board and other ISSMGE bodies. The finances and the budget of the Society are sound.

The composition and *modus operandi* of the Council is also satisfactory.

For the sake of conciseness, I shall not comment on things which work well or only need improvement (we should always try to improve things!) and things which can simply and easily be dealt with by the Board during its mandate. I shall concentrate on the broad issues which in my view require action so that ISSMGE can develop and play its full role in the international community. The order below does not reflect any order of priority.

INTRODUCTION OF IMPORTANT CANDIDATES (Prof. Frank)

Membership

We must make further efforts to increase the number of Member Societies. Some parts of the world such as Africa are not sufficiently represented.

The **Member Societies** are, and should remain, the heart of ISSMGE. They represent legitimately the professions interested in soil mechanics and geotechnical engineering in their country (or group of countries). Their role should be fully recognised, and they should be at the centre of most of the decisions taken at regional or international levels.

Strong efforts have been made recently to increase the number of **Corporate Associates**, but their number still remains insufficient. We must find better ways to attract Corporate Associates so that they become more involved in the activities of ISSMGE.

Practising engineers and academics, all have an important role to play. ISSMGE is sometimes perceived to be dominated by academics, sometimes seen to be dominated by practitioners! ISSMGE must be a meeting place for everybody. It should be the place where the actors of our various professions meet, exchange ideas and collaborate. Academics and practitioners can learn from each other. All can gain from our learned Society! If I am elected, I shall be eager to attract academics as well as practising engineers.

It should be noted that in all professions linked to soil mechanics and geotechnical engineering the number of **women** has increased sharply during the past years. Their presence is not reflected adequately inside ISSMGE. Voluntary actions should be taken to promote women inside and outside ISSMGE. If I am elected President of ISSMGE, I shall seek to have women play a **more important role** on the Board of ISSMGE, on the Board Level Committees and in Technical Committees.

The **young engineers and scientists** are the future of ISSMGE: we must increase ways of helping them and we must also benefit from their energy in order to progress. If I am elected, I shall certainly listen to them.

The role of the Vice Presidents

The **regions** play an important role inside ISSMGE. The strong attendance at Regional Conferences proves this fact. The **Vice Presidents** should be the spark for all activities in their region.

The role of the Vice Presidents should thus be enhanced. This role includes not only responsibility for representing a number of Member Societies, but also responsibility for liaising with the **Technical Committees** that involve the Member Societies in their region.

The Vice Presidents should be proactive rather than reactive! They should be a strong force for proposing activities and collaboration between their regional Member Societies and at international level.

If I am elected, I shall push the Vice Presidents of ISSMGE to initiate activities. The Vice Presidents will have to report to the **President and to the Board of ISSMGE**, which will then play only a coordinating role for many activities.

Opening to the outside world

ISSMGE has recently concentrated its efforts towards greater cooperation with Sister Societies such as the **International Society for Rock Mechanics** and the **International Association of Engineering Geology and the Environment** (for instance, through the creation of FedIGS). While this cooperation should certainly be maintained, in particular at national level (many geotechnical Societies show excellent examples), ISSMGE must also increase its readability in the outside world.

The goal is to have the activities of ISSMGE better known, and also to learn from the **outside world**. The outside world comprises, in particular in the construction sector, many international organisations, institutions, federations, etc. of interest to ISSMGE.

For Science, ISSMGE must approach **UNESCO** (United Nations Educational, Scientific and Cultural Organization), the main intergovernmental institution, in order to define goals and means of collaboration. UNESCO has a wide experience of collaboration with learned societies. While UNESCO's headquarters are located in Paris, it also has 65 field offices around the world.

There are also many **professional institutions and federations** of engineers, architects, companies, contractors, and so on. We should learn to work with those that are of interest to us, in particular because of their economic importance. We must make them understand the specific role of geotechnical engineering in construction projects. We have a lot to offer, and we have solutions to many concerns of modern societies. I am thinking of the very sensitive area of **natural hazards** (how to predict? how to protect people?), and also of **anthropogenic degradations** (how to rehabilitate environments?) and sustainable development. **Cultural heritage** also needs special attention today; geotechnical engineers should make their expertise in strengthening and consolidating foundations of **old monuments** more widely known.

Roger Frank E-mail: frank@cermes.enpc.fr

INTRODUCTION OF IMPORTANT CANDIDATES (Prof. Zhussupbekov)

Vision for ISSMGE

Campaign Statement as a Candidate for President of ISSMGE- Professor Askar Zhussupbekov

Esteemed Colleagues and Dear Friends,

The reason why you should vote me (Professor Askar Zhussupbekov from Eurasian National University, Astana, Kazakhstan) for President of ISSMGE is rather simple: I have been involved in ISSMGE activities for a very long time at different levels and now, want to fill the gap between advanced and developing regions in geotechnical engineering.

I was born in Kazakhstan, one of developing countries in Central Asia, established the Kazakhstan Geotechnical Society in 1996 and worked as the President of Kazakhstan Society since then. At present, I am serving as Appointed Board member (2009-2010) as well as the Vice President of ISSMGE (2010-2013) for Asian region.

I have extensively travelled all over the world for ISSMGE activities and came to understand our society and its need.

After establishing the Kazakhstan Geotechnical Engineering Society (KGS), I organized the First Conference of Kazakhstan Geotechnical Engineering in 1997 at Akmola, Kazakhstan with international participants. Since then I have been working as the President of KGS, which is not only young and growing organization but also pursuing the state of the knowledge and art through ISSMGE.

I helped in founding national geotechnical societies in Central Asia in Uzbekistan and Tajikistan and organized the 1st Central Asian Geotechnical Symposium (CAGS) in Astana (Kazakhstan, 2000), the Second CAGS in Samarkand (Uzbekistan, 2003), the Third CAGS in Dushanbe (Tajikistan, 2005), and the Fourth CAGS in Samarkand (Uzbekistan, 2012).

I also helped organizing several international geotechnical conferences on several topics including GeoHazards in Astana (Kazakhstan, 2001), Tokyo (Japan, 2003), Atyrau (Kazakhstan, 2003), Saint-Petersburg (Russia, 2003), Astana (Kazakhstan, 2005), Yuzhno-Sakhalinsk (Russia, 2007), Harbin (China, 2009), Khabarovsk (Russia, 2011), New York(USA, 2012), and Incheon (Korea, 2013).

I have participated in more than 100 International Geotechnical Engineering Conferences all over the world organized by ISSMGE. I have also served as an Expert of United Nations on Global Energy and Environment Strategy, New York, USA (2012-2013). I am a Core member of TC-305, member of TC-216 and ATC-3 of ISSMGE, Chair of ATC-12 " Collapsible Soils", chaired and co-chaired many conferences as part of activities of the society.

I feel strong gaps in geotechnical knowledge and practice between advanced and developing countries. Recent damages by geohazards in developing countries show needs of fundamental knowledge of geotechnical engineering to guard by themselves. We need technical transfer from the developed to the developing countries in the field of geotechnical engineering.

With an unflappable zeal and unwavering enthusiasm to serve the society in a bigger capacity, I have decided to contest for the post of the President of ISSMGE for the term of 2013-17.

ISSMGE which was initiated in 1936 at Harvard with 206 delegates from 20 countries and has now expanded to have more than 18,000 individual members from 80 member societies. It has become so large, necessitating modern means of effective communication with members and member societies. In December 2012, ISSMGE has created new website and now provides basic IT tool for member societies and individual members. I would like to utilize these tools along with other social media tools like LinkedIn, Facebook to strengthen communication in both ways with not only our members but also with societies and other international organizations that ISSMGE could cooperate with.

In recent trends of increasing natural disasters including earthquake, induced effects of earthquakes like liquefaction, local site effects and landslides (caused by heavy rain as well seismically induced), ISSMGE has potential power to contribute towards mitigation of geohazards.

If I am elected as the next President of ISSMGE, I would like to promote the following activities:

1. To use ICT (Information and Communication Technology) applications in improving services to members of ISSMGE and member societies especially for technical transfer to developing countries.
2. To provide Video Series, Webinars (web seminars), and Lecture Tour of State-of-the-Art series on geohazards and other topics.
3. To establish an International Emergency Task Force Teams to study natural geohazards including earthquakes, tsunami and landslides, and to make recommendations for mitigating these hazards.
4. To encourage the establishment of national member societies in developing countries (particularly in Africa and Asia) and to help them in maintaining their activities through webinars and other social media applications.



INTRODUCTION OF IMPORTANT CANDIDATES (Prof. Zhussupbekov)

5. To review the budget (income and expenditure) of ISSMGE and improve the efficiency of the society and to generate additional funds for supporting young geotechnical engineers in attending conferences.
6. To create an Idea Space at ISSMGE website for youngsters to generate new ideas for entrepreneur in geoenvironment, and to organize and conduct training programs across the world on Entrepreneurship challenges in geoenvironment for the benefit of members.
7. To create an innovative virtual center as part of ISSMGE activities in generating awareness about innovation and Intellectual Property Rights (IPR) for the ISSMGE community.
8. To develop more interactions between practice and academic partners / sectors within the member societies and also to connect to international organizations including UNESCO, ISO and UN.

The above goals shall be achieved through various working Committees created by the present President Jean-Louis Briaud and board members, for the further social contribution of ISSMGE as a professional group.

In what follows, you can find some photos of my activities at ISSMGE since 2010 - 2013.



Kazakhstan - Korean Joint Geotechnical Seminar, Kazakhstan, 2010



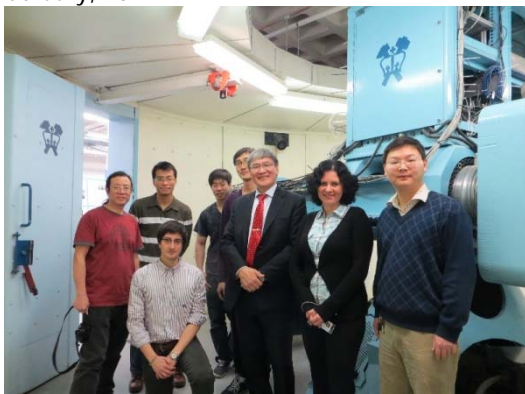
14th Asian Regional Geotechnical Conference, Astana, Hong Kong, China, May, 2011



Russian Geotechnical Conference with foreign Saint - Petersburg, Russia, February, 2012



7AYGEC, Tokushima, Japan, 14 September, 2012 participants,



Burmister Lecture, Columbia University, New York, USA, April, 2013



International Geotechnical Conference, "Pile, 2013", Bandung, Indonesia, June, 2013

INTRODUCTION OF CONFERENCE CANDIDATES (SEOUL)

Unearth the Future, Connect beyond []

The five colours are representing living organisms, ground waters and stratum, mirrors the role of soil, the foundation of life. The logo of the 19th ICSMGE-Seoul 2017 presents our commitment of sharing and bridging knowledge, experience and friendship with participants from all over the world.

The theme of 'Unearth the future, Connect beyond []' can be differentiated with indefinite variable last word. The Organizing committee of the 19th ICSMGE-Seoul 2017 shall offer you a vision with unique interpretation of past, present and future, bridging young and senior engineers as well as developed and developing nations.



19th ICSMGE-Seoul 2017

Conference Objective

- TO PURSUE mutual understanding and collaboration between experts and interested parties
- TO CREATE an opportunities of sharing and learning up-to-date knowledge and offer a platform where experts, researchers and students could be reassembled to discuss present and prospective pertinent issues
- TO AROUSE a positive momentum in achieving the convergence of Korea's advanced civil construction technology and high technology, with the application of renewable energies, IT, BT and Nano technologies
- TO ESTABLISH an environment where transforming research is implemented to improve science and social structure

4 Action Plans

1 BROADENING RESEARCH AREA

The 19th ICSMGE-Seoul 2017 shall lie at the heart of the convergence of conventional and newly-developed techniques in soil mechanics and Geotechnical engineering.

2 FAR-REACHING FELLOWSHIP PROGRAMMES

Organizing Committee shall offer an extensive support programme for participants especially for Young Geotechnical Engineers and those who need Support from developing countries.

3 OFFERING UNIQUE EXPERIENCES IN KOREA

Korea has 5,000 years of rich history. Participants of the 19th ICSMGE-Seoul 2017 can have an experience the Korea's unique culture, beautiful scenery, and warm-hearted people during your stay.

4 SECURED FINANCIAL SPONSORSHIP

The Korean government and global companies in Korea are particularly keen to subsidise the geotechnical engineering industry and institutes.



Seoul, Korea

Seoul, the heart of the nation and home to 12 million national and foreign residents, is an ineffable world-class city where contemporary lifestyle meets long-standing history. Excitement, vibrancy, velocity, vividness, sensory richness and warmth, Seoul is truly beyond words and one of the top 5 international meeting destinations. Seoul offers warmest hospitality, world-class of services, high valued accommodations and the state-of-the-art conference facilities.

INTRODUCTION OF CONFERENCE CANDIDATES (Seoul)

Technical Visit

EXPLORE THE SITES OF MAJOR CONSTRUCTIONS

- Course 1 The second passenger terminal in Incheon International Airport + Incheon Bridge
- Course 2 KTX High-Speed Railroad Construction Sites for Pyeongchang 2018 Winter Olympic Games
- Course 3 Detailed Practical site tour for young engineer: Tunnel, deep excavation site, and soft soil treatment site
- Course 4 Daedeok Innopolis (The Korean Silicon Valley)
- Course 5 Samsung Digital City

Registration Fee

THE LOWEST REGISTRATION FEE IS GUARANTEED

The tentative Registration fee is estimated to be USD 650 for ISSMGE Members with early bird registration and USD 200 for students and accompanying persons. All participants of the 6th IYGEC will be welcomed to join the 19th ICSMGE-Seoul 2017 without any additional fees. It is the appropriate choice to visit Korea since prices in Korea are relatively low.

Easy Access & Visa

Seoul, Korea has been the strategic crossroads in Asia for many centuries. The airport connects Seoul to **182 cities in 60 countries** and 84 airlines provide more than 2,000 regular flights per week. **Within 12 hours**, all or most travellers travelling from four corners of the world can reach Seoul.

Total 104 countries are under **visa exemption agreement** or allowed for **visa-free entry**. If there is some difficulty in obtaining travel Visa to Seoul on a personal basis, organizing committee will make sincere efforts to have a successful trip during the conference period.

Accommodation

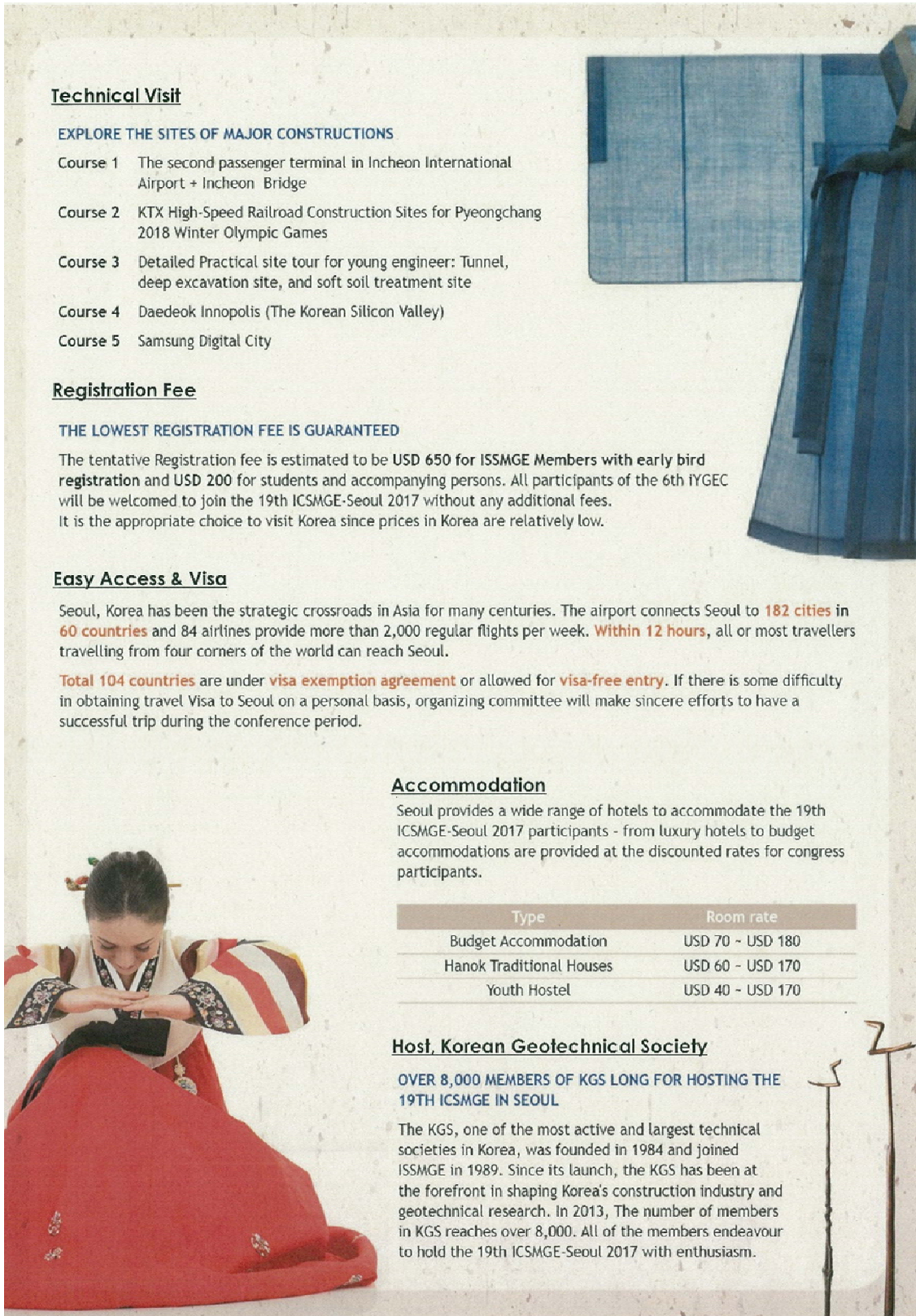
Seoul provides a wide range of hotels to accommodate the 19th ICSMGE-Seoul 2017 participants - from luxury hotels to budget accommodations are provided at the discounted rates for congress participants.

Type	Room rate
Budget Accommodation	USD 70 - USD 180
Hanok Traditional Houses	USD 60 - USD 170
Youth Hostel	USD 40 - USD 170

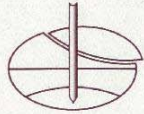
Host, Korean Geotechnical Society

OVER 8,000 MEMBERS OF KGS LONG FOR HOSTING THE 19TH ICSMGE IN SEOUL

The KGS, one of the most active and largest technical societies in Korea, was founded in 1984 and joined ISSMGE in 1989. Since its launch, the KGS has been at the forefront in shaping Korea's construction industry and geotechnical research. In 2013, The number of members in KGS reaches over 8,000. All of the members endeavour to hold the 19th ICSMGE-Seoul 2017 with enthusiasm.



INTRODUCTION OF CONFERENCE CANDIDATES (Shanghai)



Shanghai for Hosting the 19th International Conference on Soil Mechanics and Geotechnical Engineering, September 2017

Chinese Institution of Soil Mechanics and Geotechnical Engineering – China Civil Engineering Society (CISMGE-CCES)

CISMGE

China has a long history in the art of building and civil engineering. The Du Jiang Yan Dam (Fig. 1) was built 2000 years ago out of stone and timber to control flood and to irrigate fertile farmland nearby. It still functions very well and as very beautiful scenery. The 6,700-kilometer-long Great Wall founded on embankments (Fig. 2) is one of the Eight Wonders in the world.



Fig. 1 Du Jiang Yan Dam

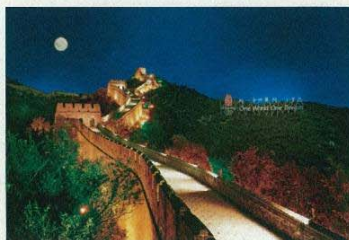


Fig. 2 Night of Great Wall

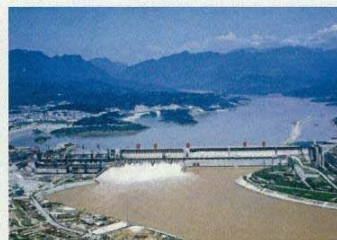


Fig. 3 Three Gorges Project

China is now experiencing the greatest development in its history, especially in geotechnical scope. More than 80,000 dams have been built in China, with particularly emphasis on Three Gorges Dam (Fig. 3). The 2008 Olympic Games (Fig. 4) and the 2010 Shanghai World Expo (Fig. 5) show China's strong commitment to integrate social development and engineering safety.

CISMGE was established in 1957 and in the same year joined the International Society for Soil Mechanics and Foundation Engineering. CISMGE has hosted the 11th national conference in 2011 with 1199 participants (Fig. 6) and has been actively involved in international exchanges and collaborations. Dr. Zuyu Chen served as the Vice President of ISSMGE for Asia from 2009 to 2010. CISMGE had 204 ISSMGE members in 2009, raised up to 606 members in 2013.



Fig. 4 National Stadium

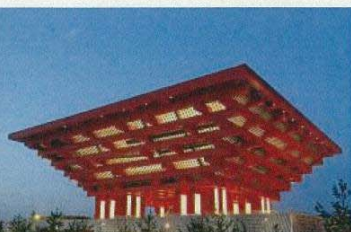


Fig. 5 Shanghai World Expo Center



Fig. 6 National conference

SHANGHAI

Shanghai, an energetic and prosperous city, will be an ideal place to host 19th ICSMGE. Many important international conferences on geotechnical engineering have been successfully held in Shanghai, such as the 6th International Symposium on Geotechnical Aspects of Underground Construction in Soft Ground (IS-Shanghai 2008), GeoShanghai 2010, the International Symposium on

INTRODUCTION OF CONFERENCE CANDIDATES (Shanghai)

PROPOSAL TO HOST 19TH ICSMGE / CISMGE-CCES



Geomechanics and Geotechnics: From Micro to Macro (IS-Shanghai 2010).

Shanghai (Fig.7) is a fantastic destination with the perfect combination of modern and traditional features. Tourists from all over the world throng to Shanghai to see its great thriving city life, unique attractions, and to savor its blend of Eastern and Western cultures. The Conference will offer a variety of options, including cultural relics and shows, meals, and shopping activities (Fig.8)

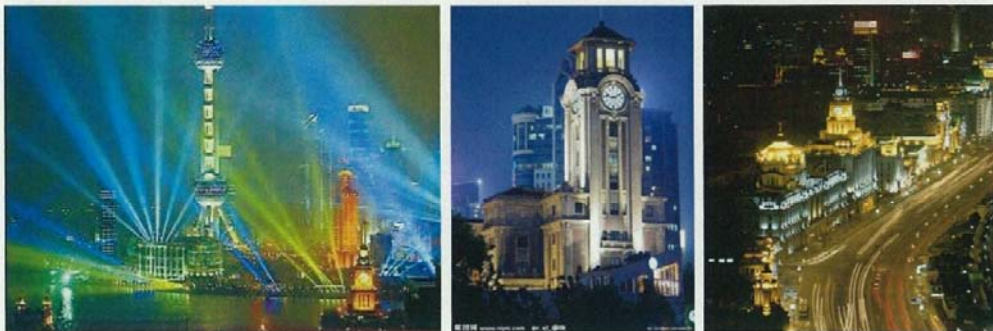


Fig.7 Night Scene in Shanghai



Fig. 8 West Lake in Hangzhou Classical Garden in Suzhou Zhouzhuang water town

Within this framework Chinese Member Society invites the 19th International Conference on Soil Mechanics and Geotechnical Engineering to take place in Shanghai on September 2017. We believe that this invitation will contribute for the unity and strength of ISSMGE. The diversity of all 90 ISSMGE Societies is our great richness and a source of inspiration. It is our great challenge, but also a unique opportunity to work together. We are confident to overcome the difficulties by working together with enthusiasm to organize a successful Conference.

To all ISSMGE members we express a word of praise and gratitude for your contribution, wishing that ISSMGE continue to be a space of scientific interaction, sharing of experiences and launching of innovative ideas to open new avenues.

Following the memorable words of Anatole France:

"To accomplish great things we must not only act,
But also dream, not only plan, but also believe,
And the belief in a thing makes it happen".

CISMGE request you to support this invitation to host the 19th ICSMGE and we look forward to welcoming you in Shanghai in 2017.

INTRODUCTION OF CONFERENCE CANDIDATES (Sydney)

ICSMGE 2017: A GEOTECHNICAL DISCOVERY DOWNUNDER

With 50 years of activity, innovation and discovery, the Australian Geomechanics Society has waited a long time to host the premier event of the ISSMGE !

The Australian Geomechanics Society welcomes the opportunity to host the 19th International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE) in Sydney 2017.

Our bid is supported by our sister society in New Zealand (the New Zealand Geotechnical Society), the New South Wales Government, Business Events Sydney (the State's Convention Bureau) and the city's business tourism industry.

both academic and practitioner focused

- The Australasian region has the highest per capita membership of any of the international societies of the ISSMGE and has representatives in 20 out of the 30 ISSMGE Technical Committees.

"Australasia has the highest per capita membership of any of the international societies of ISSMGE"



located in Darling Harbour, adjacent to the City. The proposed theme for ICSMGE 2017 is "A Geotechnical Discovery Downunder". Discover Australia and discover the innovation that lies where practical problems meet theoretical developments.

"I'd like to encourage the society to give the next International Conference to Sydney....The AGS has a demonstrated ability to put on a first class event. Give us your vote and we won't let you down..."

(Professor Harry Poulos, former ISSMGE VP Australasia and appointed Board Member, resident of Sydney).

A WORLD CLASS TECHNICAL EVENT

As one of the most active of the member societies of the ISSMGE, the AGS has a reputation for excellence in delivering world class technical events. GeoEng2000 lives in the memory of our profession as an outstanding showcase of technical excellence, supported by the highest standard of visitor hospitality.

Led by Organising Committee Chair, Professor John Carter, the AGS will produce an unforgettable conference in 2017 and is looking at innovative ways to deliver sessions in order to maximum participation and access to speakers. The AGS is also committed to delivering over 100 more papers than ICSMGE 2013.

"Over 100 more opportunities to present your paper"



THE AUSTRALIAN GEOMECHANICS SOCIETY

The AGS was founded in 1970 but its origins go back as far as 1953.

- The AGS has more than 1700 members. More than fifty percent are also members of ISSMGE
- Geotechnical engineers, engineering geologists and rock mechanists work collaboratively within the AGS
- The AGS delivers activities that are

ICSMGE 2017

The Australian Geomechanics Society has a reputation for excellence in producing specialty conferences, symposia, seminars and workshops. With this proven expertise, the local organizing committee will deliver a world class event in 2017.

If successful, the 19th International Conference on Soil Mechanics and Geotechnical Engineering (ICSMGE) will be held on 4-8 September 2017 at the regions newest International Convention Centre Sydney (ICC Sydney)

INTRODUCTION OF CONFERENCE CANDIDATES (Sydney)

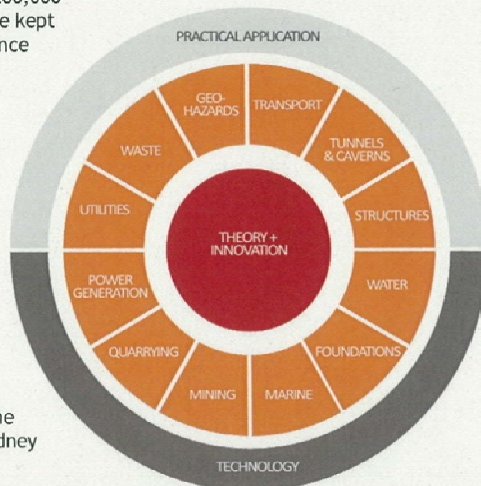
SUPPORTING DEVELOPING NATIONS AND KEEPING COSTS LOW

The Australian Geomechanics Society understands the importance of participation from developing nations and has committed up to A\$80,000 of its own funds to be used towards subsidizing delegates from developing nations.

In addition, the New South Wales Government will commit financial support to a maximum of A\$200,000 ensuring registration costs are kept to a minimum for all conference delegates.

"The AGS will provide up to 40 funding opportunities for delegates from developing nations"

Figure: Proposed theme for ISCMGE 2017 in Sydney



FLIGHTS & VISA SUPPORT

Delegates from Asia and the Pacific, Europe, Africa, the Middle East, North America and South America can fly direct to Sydney. Major international airlines offer direct or one-stop services from key hub cities. A benefit of selecting Sydney as your conference location is the free service from IECN, a government supported organisation, who will work to ensure a smooth visa application process for delegates.

WHY SHOULD YOU VOTE FOR SYDNEY?

- 100 more opportunities to present your paper
- 40 funding opportunities for developing nations
- We have waited a long time to host this event and have 50 years of activity, innovation and discovery to share with you
- We will deliver a world class event showcasing outstanding technical excellence, supported by the highest standard of visitor hospitality
- You will never forget your trip to Australia!

AN EXPERIENCE OF A LIFETIME!

Australia's biggest, oldest, most cosmopolitan and exciting city has a style of its own. Endowed with natural beauty, inspiring arts and culture, a dynamic dining scene, exuberant spirit and near perfect climate, it's no wonder Sydney has been voted the World's Best City again and again.....



A range of exciting technical tours and partner activities would be on offer for ISCMGE Sydney 2017.

- Hunter Valley Mine Tour
- Famous Engineering Structures of Sydney
- New Zealand 2011 Earthquakes - Rebuilding Christchurch
- Australian Wildlife Discovery
- Aboriginal heritage tours - Royal Botanic Gardens
- Sydney City Highlights Tour