



**9th Asian Young Geotechnical
Engineers Conference (9AYGEC)
&
15th International Conference on
Geotechnical Engineering
(15ICGE)**

December 5-7, 2019 Lahore, Pakistan

PREAMBLE

The Pakistan Geotechnical Engineering Society (PGES) under the aegis of International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) takes pleasure in hosting 9th Asian Young Geotechnical Engineers Conference and its 15th International Conference on Geotechnical Engineering from December 5-7, 2019 in Lahore, Pakistan.

9AYGEC

This conference will be the ninth in its series following the first in Bangkok (1991), the second in Singapore (1994), the third in Singapore (1997), the fourth in Seoul (2001), the fifth in Taipei (2004), the sixth in Bangalore (2008), the seventh in Tokushima (2012) and the eighth in Astana (2016). This conference aims at providing interactive platform for the young geotechnical engineers from across Asia. Young Geotechnical Engineers and researchers below the age of 35 years from Asian countries will participate in this Conference. Each of the National Geotechnical Societies in Asia is invited to nominate two participants from its country to submit research papers in the conference.

Cash awards of \$250 each, sponsored by Centre GRE of University of Wollongong Australia, will be given to three best papers presented at the event (at least 1-female). Similarly, cash prizes worth up to Rs. 10,000 from PGES will be there for win by three best poster presentations (at least 1-female).

15ICGE

The broad theme of "Geotechnical Engineering" has been kept for 15ICGE to attract a diversity of quality papers from around the globe. The Conference will act as a platform for exchange of technical ideas between Clients, Consultants, Contractors and Manufacturers. Outstanding keynote lectures, presentations and technical discussions will afford opportunity to explore the advancements in geotechnical engineering.

ABOUT LAHORE

The city of Lahore is the cultural, entertainment and food hub of Pakistan. Lahore has a rich and unique culture that upholds

traditions and conventions. It is the capital of the province of Punjab and also the center of economic activities. Lahore offers both historical and cultural attractions, including exceptional Mughal Architecture and many easily accessible cultural tours. It has a burgeoning tourism industry, due to the smorgasbord of cultures, people and greenery it has to offer. In addition, many mega projects have recently been completed and some are underway, that give a new look to Lahore. Whether delegates are attracted to world class theatres, museums, cultural attractions, unique shopping areas, exceptional restaurants or thematic neighborhoods, Lahore's diversity of features ensures there is something for everyone.

OBJECTIVES

The objective of 9AYGEC is to provide young engineers an opportunity to share their practical knowledge, research findings and to receive suggestions from the fellow geotechnical experts. Besides, 15ICGE will also provide a great opportunity to the engineers, geologists, seismologists and other professionals engaged in the field of geotechnical engineering, foundation design, construction and manufacturing, to share their expertise in the realm of Geotechnical Engineering.

LOCATION & CLIMATE

The conferences shall be held at University of Engineering and Technology (UET) Lahore. The climate of Lahore is cool in the month of December with mean temperature ranging between 2°C to 9°C.

PROGRAM

PGES plans to host a three (3) day event. As per plan, 9AYGEC will be held on the first day (Dec 5, 2019), 15ICGE will be held on the second day (Dec 6, 2019) and a sightseeing tour will be held on the final day (Dec 7, 2019) making it a memorable event for the honorable delegates. The Organizing Committee of these two Conferences expects a very warm response from all the professionals to make these conferences a big success.

INVITED KEYNOTE SPEAKERS

Dist. Prof. Buddhima Indraratna:

Buddhima Indraratna is a Civil Engineering graduate from Imperial College, London. Since his PhD from the University of Alberta in 1987, his significant contributions to geotechnical and railway engineering have been acknowledged through numerous national and international awards, including the 1st Ralph Proctor Lecture and 4th Louis Menard Lecture of ISSMGE. In 2009, he delivered the



prestigious E.H. Davis Memorial Lecture of Australian Geomechanics Society for distinguished contributions to theory and practice of geomechanics. For his pioneering contributions to ground improvement and transport geotechnics, he was honored with the Business and Higher Education award by the Australian Government in 2009, Engineers Australia Transport Medal in 2011 and the combined ANZ Railway Technical Society's Outstanding Individual Award in 2015. Over the past two decades, he has also received numerous international awards, including Thomas Telford Premium by the ICE, UK and Robert Quigley Award by the CGS. Prof Indraratna currently leads numerous projects funded by the Australian Research Council at an annual research income of \$2 million/year, and he has been a consultant to various geotechnical and rail organizations worldwide. He has more than 700 publications including over 300 reputed journal papers, 10 books and over 50 invited keynote papers, and has supervised over 70 PhD graduates and 30 Postdoctoral Fellows. He is a Fellow of several professional bodies including the most prestigious Australian Academy of Technological Sciences and Engineering, as well as being a Fellow of the Institution of Engineers, Australia, Fellow of American Society of Civil Engineers (FASCE), and a Fellow of the Geological Society of UK.

Prof. Ikuro Towhata:

Ikuro Towhata received his B.E., M.E. and Doctor of Engineering from the University of Tokyo in 1977, 1979 and 1982, respectively. He has taught at the University of British Columbia, the Asian Institute of Technology, and Chulalongkorn University in Bangkok as well as the University of Tokyo, where he is presently a Professor of Civil Engineering. In addition to authoring one book, "Geotechnical Earthquake Engineering", He holds membership in the Japanese Geotechnical Society, the Southeast Asian Geotechnical Society, ISSMGE, the Japan Society of Civil Engineers (Fellow), the Japan Association for Earthquake Engineering and the Japan Landslide Society, and served on the board of directors for the Japanese Society of Geotechnical Engineering (1999-2002, 2005-2008), the Japan Association for Earthquake Engineering (2004-2006) and the Japan Landslide Society (2004-2008). Towhata has received many awards from 1985 to present, including several "best paper" awards and the Shamsheer Prakash Research Award in 1999. His interests include dynamic analysis of earth structures during earthquakes, permanent displacement of ground caused by seismic liquefaction, soil improvement by densification and grouting, stability of seabed in static and dynamic manners, thermal effects on mechanical behavior of clays, microscopic observation of granular behavior of sand subjected to shear, dynamics of landslide and debris flow, mechanical properties of municipal waste ground and seismic performance-based design of geotechnical structures.



Prof. E. C. Shin:

E. C. Shin graduated from Chungbuk National University in Korea and obtained M.Sc. from the University of Colorado in 1987 and Ph.D. from the Southern Illinois University, USA in 1994. He obtained a full professorship in 2005 and has served as dean of the Urban Science College until 2016. Prof. E.C. Shin was twice awarded the Outstanding Research Professor title from the Incheon National University in the years of 1997 and 2010. He has published 5 books on the geotechnical, geo-environmental and civil engineering related subjects as well as more than 100 journal papers and 150 conference papers. The President of Kazakhstan, Nursultan Abishuly Nazarbayev recently presented him an Achievement Award of 2012 in appreciation of Prof. Shin's dedication to geotechnical and geo-environmental engineering education, and technology transfer contributions. He also received the 2008 Achievement Award presented by the International Geosynthetics Society. Prof E.C. Shin made a major contribution to the hosting of the United Nations' Office of Green Climate Fund (GCF), City of Incheon, working as the Director of Incheon Green Environment Center. Now, he is a Vice President of ISSMGE for Asia (2017-2021).

**Prof. Askar Zhussupbekov:**

Askar Zhussupbekov received his Diploma and PhD degree in Civil Engineering from Saint-Petersburg State Architectural and Civil Engineering University, Russia, in 1977 and 1985, respectively. He was a faculty member in Department of Civil Engineering of Karaganda State Industrial University and became the Head of the Department of Civil Engineering in 1987 and First Vice-Rector in 1999. Prof. Askar was awarded the Doctor of Technical Science degree from Karaganda State Technical University, Kazakhstan in 1996. In 2000, he was elected as Professor of Department of Civil Engineering of Eurasian National University (ENU), Astana (Nur-Sultan), Kazakhstan and appointed the Director of Geotechnical Institute of ENU, Astana, Kazakhstan in 2003. From 2009 to 2018, he served as the Head of Department of Civil Engineering of ENU. In 2011-2012, He was visiting Professor (2011-12) and inviting Professor (2012-13) of Columbia University, New York, USA. Prof. Askar is a Past Vice President of ISSMGE for Asia and President of Kazakhstan Geotechnical Society. He has published over 350 scientific papers including four books on Geotechnical Engineering. The expertise of Prof. Askar includes piling and deep foundations, geo-monitoring, undermining soil ground, disaster prevention and reduction, and in-situ testing. He served as a geotechnical consultant for the new capital Nur-Sultan of Kazakhstan, West Kazakhstan (Caspian Sea area), Almaty (old capital of Kazakhstan), Saint-Petersburg, and Yuzhno-Sakhalinsk in Russia.

**Prof. Shahid Azam:**

Prof. Shahid Azam has worked for more than 25 years in the fields of geotechnical and geo-environmental engineering. His research involves the use of fundamental concepts in soil mechanics (saturated and unsaturated), soil chemistry (colloid-liquid-electrolyte interactions), and engineering geology (evolution of surface deposits). His research interests include improvement of problematic earthen materials such as mining slurries and waste tailings, expansive clays and collapsible soils, and waste rock and caprock seals. He has devised sustainable (cost effective, environmentally friendly, and socially viable) solutions for a variety of engineering applications related to the development of natural resources (mineral, water, energy) and the management of civil infrastructure (highways, pipelines, dams). He has trained dozens of graduate students and post-doctoral fellows and has authored and co-authored 125 publications in journals, conferences, and reports. Finally, he has been involved in consulting and technology transfer projects in Canada, Chile, and Saudi Arabia.

**Assoc. Prof. Tarunjit Butalia:**

Dr. Tarunjit Singh Butalia, an internationally known researcher and scholar, serves as Associate Professor of Research in Department of Civil, Environmental, and Geodetic Engineering at The Ohio State University. He is an Affiliated Faculty with the Sustainability Institute and Director of the Coal Combustion Products program at the university. In 2019 he was awarded the MacQuigg Award for Outstanding Teaching. Dr. Butalia obtained his BS in Civil Engineering from Punjab Engineering College, Chandigarh, MS is Structural Engineering from IIT Bombay, and Ph.D. degree in Engineering from The Ohio State University, Columbus, Ohio, USA in 1997. He is a registered Professional Engineer. He has provided leadership to several research and demonstration projects totaling over \$25 million in the last 30 years and has authored, presented and published more than 200 technical papers and book articles. He serves on the Advisory Board of the International Pittsburgh Coal Conference and is Associate Editor of the Journal of Coal Combustion and Gasification Products.

**SPECIAL THEME SPEAKER****Assoc. Prof. Cholachat Rujikiatkamjorn:**

Dr Cholachat is an A/Professor at the Centre for Geomechanics & Railway Engineering, University of Wollongong. His B Eng (1st Class Hons) is from Khonkaen Uni, Thailand in 2000, his Masters (M Eng) from Asian Institute of Tech, Thailand in 2002, his PhD in Geotechnical Eng from the University of Wollongong in 2006. He won an ECR Award through ARC winning \$680k over 3 yrs. He has



published 140+ articles and secured \$2 mil+ in funding. He is a CI of 6 projects and the supervisor of 10 HDRs. He is invited to deliver a Special Theme Lecture on *Applications of PVDs and Vacuum preloading in transport infrastructure*.

ADVERTISEMENT

Professional engineering bodies, industries, contractors, consultants and manufacturers are invited to get their advertisements booked in the conference proceedings at the following rates:

Half A-4 size page	Rs 10,000/-
Full A-4 size page	Rs 20,000/-

The advertisement in the final form along with the payment should be sent to the Secretary 15ICGE OC.

EXHIBITION

An exhibition to display the recent developments in geotechnical engineering will be arranged outside the conference hall on December 5-6, 2019. Contractors, consultants and manufacturers are invited to display their expertise/equipment, etc.:

3'x5' table	Rs 20,000/-
3'x10' table	Rs 30,000/-

Interested organizations should contact immediately the Secretary, 15ICGE to book the stalls.

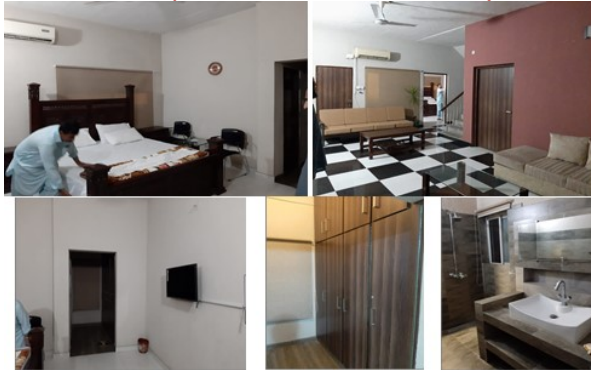
REGISTRATION FEE

International Participants	US\$ 300/-
International Participants (Nominated)	US\$ 250/-
National Participants	Rs. 3000/-

For details, see the Conference Registration Form at:
<https://15icge-9aygec.uet.edu.pk/registration-advertisement/>

ACCOMMODATION**On-Campus Accommodation (Free for 9AYGEC Authors):
UET Faculty Hostel (700m from Conference Hall)**

UET Guest House (200m from Conference Hall)



Sports Complex (600m from Conference Hall)



Off-Campus Hotel (PAID) Accommodation:

Pearl Continental (PC) Hotel (5-STAR)
(<https://www.pchotels.com/pclahore/en/rooms-and-suites.html>)

Avari Hotel (5-STAR)
(<http://www.avari.com/property/avari-lahore/rooms-suites>)

Flattis Hotel (4-STAR)
(http://falettishotel.com/rooms_executive_rooms.php)

Hotel	Rating	Single		Double	
		Corporate Rate	Rack Rate	Corporate Rate	Rack Rate
		(PKRs.)*	(PKRs.)*	(PKRs.)*	(PKRs.)*
PC Lahore	5-star	15,500	-	18,000	-
Avari Lahore	5-star	15,300	33,000	17,300	35,000
Falettis	4-star	12,000	16,000	13,000	18,000

* For currency exchange, 1 US\$ ≈ 160 PKR as on 01 October 2019.

CPD POINTS

9AYGEC
15ICGE

1-CPD Point
1-CPD Point

The participants registered with Pakistan Engineering Council would be awarded with 1 CPD point for each event.

CORRESPONDENCE

All correspondences and inquiries related to the conferences should be addressed to the followings:

Dr. Jahanzaib Israr

Secretary, 9AYGEC, 2019 Organizing Committee
Civil Engineering Department,
UET, Lahore- Pakistan
Tel: +92-334-4132808

E-mail: 9AYGEC@uet.edu.pk

Dr. Muhammad Irfan

Secretary, 15ICGE, 2019 Organizing Committee
CEO Birudo Engineers, Lahore- Pakistan
Tel: +92-306-6666010

E-mail: 15ICGE@uet.edu.pk

Web: <http://www.15ICGE-9AYGEC.uet.edu.pk>

Facebook: <https://web.facebook.com/groups/pges.pak/>

PGES EXECUTIVE COUNCIL

President:	Engr. Amjad Agha
Vice President:	Engr. Abdul Khaliq Khan
Secretary General:	Dr. Tahir Masood
Finance Secretary:	Engr. Irfan Saeed
Members:	Dr. Tahir Hayat Engr. Sohail Kibria Prof. Dr. Aziz Akbar Prof. Dr. Sarfraz Ali Engr. Jamshed Danish Dr. Izhar ul Haq Prof. Dr. Khalid Farooq Dr. Muhammad Irfan

CONFERENCE ORGANIZING COMMITTEE

Chairman:	Contact No.
Dr. Aziz Akbar	+92-300-4367709
Secretary:	
Dr. Mubashir Aziz	+92-324-9486609
Dr. Jahanzaib Israr (9AYGEC)	+92-334-4132808

Dr. Muhammad Irfan (15ICGE) +92-306-6666010

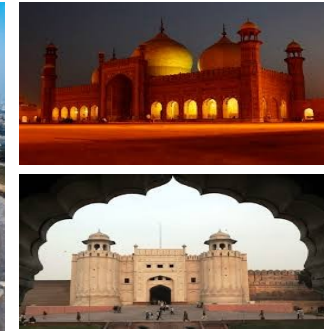
Members:

Engr. Sohail Kibria	+92-332-4498837
Dr. Tahir Masood	+92-300-4000780
Dr. Khalid Farooq	+92-300-4768167
Prof. Dr. Ammad Hassan	+92-300-4153570
Dr. Hassan Mujtaba	+92-321-9431303
Dr. Imtiaz Rashid	+92-333-4379618
Dr. Ali Ahmed	+92-321-3344401
Dr. Zia-ur-Rehman	+92-300-4927158
Dr. Khawar Munir	+92-333-4583728
Engr. Umair Aqil	+92-346-4277497


CONFERENCE LOCATION





(<http://bit.do/UET-Location>)



Bulletin No. 2



International Society for Soil Mechanics & Geotechnical Engineering

Pakistan Geotechnical Engineering Society **University of Engineering & Technology Lahore**