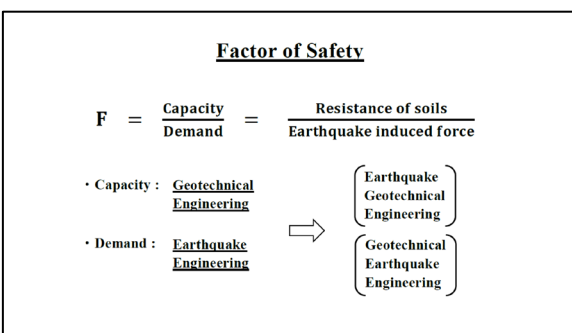
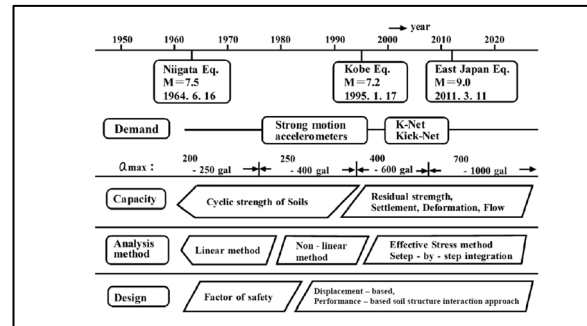
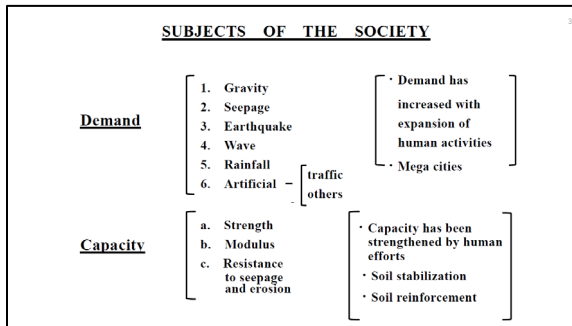


## 8ICEGE - Osaka, Japan, 7-11 May 2024

- 614 delegates (38 countries)
- 377 oral presentations (366 regular papers + 11 invited)
- 61 posters
- 438 technical papers
- Hosted by the Japanese Geotechnical Society (JGS)
- Conference Chair: Motoki Kazama



Prof. Okamura (standing), introducing the opening ceremony of 8ICEGE as Conference Secretary General. At the desk, right to left: Prof. Kazama (on behalf of IGS), Prof. Cubrinovski (TC203 chair), Prof. Ishihara (honorary guest), and Prof. Koseki (JGS President and Conference Co-Chair).



1. International Conference on Earthquake Geotechnical Engineering  
1985 – today, every four years
2. International Conference on Performance – based Design in Earthquake Geotechnical Engineering  
2009 – today, every four years

Introduction of ICEGE history and significance of Earthquake Geotechnical Engineering by Prof. Ishihara in the opening ceremony.

The 8<sup>th</sup> International Conference on Earthquake Geotechnical Engineering was held in Osaka International Convention Center, Japan, between the 7th and 11th May 2024. The conference was originally scheduled on May 2023 but postponed due to the influences of COVID-19 pandemic. The 8ICEGE was conducted entirely in-person format, not through online platforms or combined manner, to provide participants with ample opportunities to meet and talk with each other and visit technically interesting sites in and around Osaka.

The venue was located in the very center of the Osaka City, at a short distance from monuments such as the Osaka castle and the Uemachi active earthquake fault, adopted as the conference icon.

The conference was hosted by Japanese Geotechnical Society (JGS), chaired by Prof. Motoki Kazama and co-chaired by Prof. Junichi Koseki, as JGS President. The local Organizing Committee took care of managing the technical

and social programs, as well as the reviewing and editorial processes, with the appreciated support of the TC203 Chair, Prof. Misko Cubrinovski, and the current and past TC203 members.

The conference attracted 614 delegates from 38 countries, well above the initial expectations. The conference was kicked off with the opening declaration by the conference chairperson Prof. Kazama, welcome addresses by TC203 chair Prof. Cubrinovski and JGS President Prof. Koseki, and an introduction to the history of ICEGE by Prof. Ishihara.

## Technical Programme

The technical programme included 11 invited speakers, 366 oral presentations in 47 general sessions and 6 special sessions, and 61 posters, with a total of 438 technical papers published in the proceedings in JGS Special Publication (<https://www.jiban.or.jp/e/resource-and-publications/special-publications/japanese-geotechnical-society-special-publication/>). The proceedings have also been made freely available on the ISSMGE library (<https://www.issmge.org/publications/other-paper-databases>).

The special award lectures of TC203 were presented during the conference. Prof. Ross Boulanger of University of the California, Davis delivered the 9th Ishihara Lecture on the topic of “Effects of subsurface heterogeneity on liquefaction-induced ground deformation during earthquakes.” The 2023 young researcher awards were presented to Dr Jorge Macedo of Georgia Institute of Technology, and to Katerina Ziotopoulou of the University of California, Davis. Both recipients presented lectures in a special award session on the topics of “Machine Learning-Based Assessment of the Seismic Performance of Geotechnical Systems” (Macedo) and “Performance-based assessment of liquefaction-induced downdrag on piles” (Ziotopoulou).

The 9th Ishihara lecture will be published in a special issue of Soil Dynamics and Earthquake Engineering.

Delegates were invited to participate in a technical tour taking place after the conference. The tour focused on the 1995 Great Hanshin-Awaji (Kobe) earthquake. The earthquake was one the first of its kind severely hit a highly-developed urban area and clearly revealed the city's weakness against large earthquakes. In Kobe area, there are many facilities to pass on the memory of the earthquake to future generations. The tour visited three of unique locations, including;

- 1) Hanshin Expressway Earthquake Museum (<https://kansai-doboku-style.com/shinsaihokanko/>)
- 2) Port of Kobe Earthquake Memorial Park ([http://kobe.travel.coocan.jp/kobeport/earthquake\\_memorial.htm](http://kobe.travel.coocan.jp/kobeport/earthquake_memorial.htm)), and
- 3) Full-Scale 3D dynamic /isolation Testing facilities, E-Defense /E-Isolation. (E-Defense: <https://www.bosai.go.jp/hyogo/ehyogo/index.html>) (E-Isolation: [https://www.jsil.or.jp/English\\_info.html](https://www.jsil.or.jp/English_info.html))

Participants observed a very rare cross section of a road bridge pier damaged in the earthquake, the remains of the piers in its original form, and the world largest shaking table experimental facility.



Participants to the technical tour in front of the E-Isolation facility.

## Social Programme

During the conference, delegates were invited to a welcome reception and conference dinner.



Breaking of a Japanese Sake Cask by distinguished guests, Profs. Towhata, Ishihara, Cubrinovski, Kazama, Koseki and Idriss. Prof. Silvestri won the paper Sumo tournament held in the Gala dinner.

During the conference, an accompanying social programme took in Kyoto



Participants enjoyed strolling around Arashiyama and Hozu River Boat Ride.

Some more photographs from the conference can be found [here](#).