



International Union of Geodesy and Geophysics
IAPSO/IASPEI/IAVCEI
Joint Tsunami Commission



Report on the activities of the IUGG Joint Tsunami Commission 2021

The IUGG Tsunami Commission (IUGG/TC) is an Inter-Association Commission responsible for international coordination of tsunami related meetings, research, and publications. It is jointly sponsored by IASPEI, IAPSO and IAVCEI and was established at the 12th General Assembly of IUGG in Helsinki, Finland in 1960 to promote the exchange of scientific and technical information about tsunamis. The IUGG/TC membership comprises an international group of scientists concerned with various aspects of tsunamis, including an improved understanding of the dynamics of generation, propagation and coastal run-up and the consequences to society of the tsunami hazard.

Chair: Yuichiro Tanioka (Japan)
Vice-Chair: Alexander Rabinovich (Russia)
Vice-Chair: Diana Greenslade (Australia)
Vice-Chair: Maria Ana Baptista (Portugal)
Secretary: Mohammed Heiderzadeh (Iran)

The activities of the IUGG Joint Tsunami Commission were discussed at the IUGG General Assembly in Montreal, Canada, during the Commission business meeting on July 13, 2019. The officers of the commission were nominated by the Commission election committee and elected.

IUGG Tsunami Commission website was renewed and contains the current information about the Commission activities and upcoming meetings.
<https://tsunamicommission.ipma.pt/home/>

Working Groups

The Joint Tsunami Commission has endorsed 6 Working Groups. These are: Tsunami Terminology WG, Science-based Tsunami Warning WG, Tsunami Magnitude WG, GNSS Data for Tsunami Warning WG, Meteotsunami WG, and Tsunami Data WG. All of these WGs have submitted "Terms of Reference" including their membership, scope, and planned activities. They also presented their recent activities during the 2021 International Tsunami Symposium on July 2, 2021.

Meetings

- International Tsunami Symposium, during the 27th IUGG General Assembly (Montreal, Canada, July 8-July 18, 2019). JP05 Tsunamis.

- The 30th International Tsunami Symposium (on-site and online) (Sendai, Japan, July 1- July 3, 2021). The best poster awards (for young researchers) were presented to Dr. Makinoshima (Japan), Ms. Shinka (Japan), Dr. Salmaidou (UK).

Members of the Tsunami Commission actively participated in organization of numerous tsunami sessions in AGU, EGU, AOGS General Assemblies and other Int. conferences in 2019-2021.

Publications

The commission publishes Tsunami Symposium proceedings and current tsunami research in several peer-review journals as topical volumes and special publications. It also coordinates with the Tsunami Society International and its publication of the open-access journal "Science of Tsunami Hazards".

- **Twenty five years of modern tsunami science following the 1992 Nicaragua and Flores Island tsunamis, Volume I**, 22 papers, Pure and Applied Geophysics, 2019, Editors: U. Kanogle, Y. Tanioka, E.A. Okal, M.A. Baptista and, A.B. Rabinovich.
- **Twenty five years of modern tsunami science following the 1992 Nicaragua and Flores Island tsunamis, Volume II**, 25 papers, Pure and Applied Geophysics, 2020, Editors: U. Kanogle, Y. Tanioka, E.A. Okal, M.A. Baptista and, A.B. Rabinovich.
- **Illapel, Chile, earthquake on September 16th, 2015**, Topical collection in Pure and Applied Geophysics, 22 papers published online.
- **The 2016 Kaikoura, New Zealand, tsunamis**. Topical collection in Pure and Applied Geophysics, 7 papers published online.
- **Sea Level 2017**. Topical collection in Pure and Applied Geophysics, 7 papers published online.
- **The Central Italy earthquake crisis with onset August 24, 2016**. Topical collection in Pure and Applied Geophysics, 7 papers published online.
- **The September 2017 Chiapas and Central Mexico earthquakes and tsunamis**. Topical collection in Pure and Applied Geophysics, 6 papers published online.