

## Annual Report 2017 – IASPEI

### 1. SHORT INTRODUCTION OF ASSOCIATION (max. ½ page)

The International Association of Seismology and Physics of the Earth's Interior is the leading international association promoting studies in seismology, earthquake processes, and structure and ongoing geodynamical processes within the Earth's interior. IASPEI achieves its goals primarily through scientific conferences organized by IASPEI and its Commissions, but also sponsors other international initiatives, fosters international cooperation, both in monitoring of seismic sources and research and education activities, especially in countries that are working towards full scientific development.

Most of the IASPEI efforts during 2017 were directed towards the First Joint Scientific Assembly of IASPEI together with IAG in Kobe, Japan, 30 July – 4 August 2017.

However, several important additional scientific meetings have been supported or sponsored by IASPEI and several ongoing projects continued.

### 2. ADMINISTRATION (max. ½ page)

#### - EC & Bureau meetings

The IASPEI Bureau and EC met two times during the Scientific Assembly. Several e-mails regarding important questions on financial support or business to be solved immediately have been exchanged with the members of the Bureau and EC throughout the year.

#### - Changes in administration (setting up of new Commissions, Working Groups, etc., or termination of old Commissions, Working Groups, etc.)

During the Joint Scientific Assembly of IAG and IASPEI in Kobe, Japan a new inter-association working group for “Seismo-Geodesy” had been initiated.

#### - Other matters

*Website.* The IASPEI website has the address <http://iaspei.org>.

*Statutes.* The statutes were slightly modified during the Scientific Assembly in Kobe, Japan. The new Statutes can be downloaded from the IASPEI web-site. IASPEI is registered as a Norwegian organization (Norwegian Org. Number 916 047 495).

*Newsletters.* IASPEI Newsletters have been regularly sent as pdf-file attachments to 2000 – 3000 e-mail addresses. The Newsletters are also available for downloading from the IASPEI website. Four issues were distributed in 2017.

### 3. ACTIVITIES (max. 2 pages)

#### - Scientific Assemblies, Workshops/Symposia etc.

The first joint Scientific Assembly of IAG (International Association of Geodesy) and IASPEI was held at the Kobe International Conference Center, Japan, from July 30 through August 4, 2017 (<http://www.iag-iaspei-2017.jp/>) and became a big success.

The conference had 1107 registered participants from 65 different countries of which 747 gave IASPEI as their primary Association. The scientific program consisted in total of 43 symposia (7 IAG, 27 IASPEI and 9 Joint Symposia), and 1119 oral and poster presentations were given (IAG: 254; IASPEI: 564; Joint: 301). In particular the 9 Joint Symposia attracted many participants and had to be accommodated in two parallel sessions throughout the duration of the conference.

During the Assembly, the IASPEI Commissions and the IASPEI sponsored bodies also had their business meetings, and several of the Commission Chairs changed. The actual names of the Commission chairs can be found on the Commission web-pages (<http://iaspei.org/commissions>).

An important result of this 1<sup>st</sup> Joint Assembly was the new Inter-Association initiative between IAG and IASPEI to form a new joint sub-Commission on **Seismo-Geodesy**. The home of this new sub-Commission within IASPEI will be the Commission on Earthquake Source Mechanics (ESM).

In 2017, IASPEI additionally supported (and partly sponsored) the following activities:

- a) the IRIS Workshop ‘Managing Data for Seismic Networks’, which was held in Pretoria, South Africa, 20 – 26 August 2017 (<http://ds.iris.edu/ds/workshops/>).
- b) The 12th International seismological workshop "Modern Methods of Processing and Interpretation of Seismological Data", which was held in Almaty, Kazakhstan, 11 – 15 September 2017.
- c) The 6<sup>th</sup> Scientific Biennial Conference “Problems of Complex Geophysical Monitoring of the Russian Far East”, which was held Petropavlovsk-Kamchatsky, Russia, 1 – 7 October 2017 (<http://www.emsd.ru/en/conf2017/>).
- d) the 2<sup>nd</sup> Cargèse ‘School on Seismogenesis’, which was held in Cargèse, France, 2 – 6 October, 2017 (<http://earthquakes2.sciencesconf.org/>).

- Activities of Association Commissions, Working Groups, Divisions, Services etc.

Some 2,000 hard copies of the first printed edition of the IASPEI New Manual of Seismological Observatory Practice (NMSOP 2002) are currently in use in more than 100 countries at seismological observatories, data and analysis centers, in teaching, research, and field applications, used as basic material in national and international seismology training courses, or by private enterprises and individual scientists. In 2014, a rigorously updated and amended electronic second edition, NMSOP-2, was completed and put online, thanks to the efforts of the late Peter Bormann. This version, as well as future ones, are professionally maintained, further developed and edited by the GFZ German Research Centre for Geosciences under a long-term commitment and the auspices of IASPEI and its Commission on Seismological Observation and Interpretation (CoSOI). All versions are freely available and downloadable from the web-site of the GFZ Library (<http://bib.telegrafenberg.de/publizieren/vertrieb/nmsop/>).

- Scientific Programs, Projects, Publications

The IDEA (International Digital Earthquake Archives) project of the Committee for Preservation of WWSSN and Historical Seismograms (also called *Seismoarchives: Seismogram Archives of Significant Earthquakes of the World*), continued its mission. IRIS is archiving the scanned seismograms. During the General Assembly in Prague it was decided that Graziano Ferrari (INGV) takes over the IDEA Project from W.H.K. Lee. The Project for scanning old Batavia seismograms continued in 2017.

- Awards/Anniversaries/Obituaries

- *Awards.*

The **IASPEI Medal** is awarded for merits in seismology: for sustaining IASPEI goals and activities and for scientific merits in the field of seismology and physics of the Earth's interior.

During the IASPEI Opening Plenary in Kobe, the 2017 IASPEI medal was awarded to the former IASPEI President and former IASPEI Secretary General of IASPEI Dr. Eric Robert Engdahl.

In 2016, the IASPEI Bureau established an **IASPEI Early Career Scientist Award** program aimed at engaging excellent young researchers in the IASPEI community. Each of the four IASPEI Regional Commissions were asked to select one Early Career researcher (graduate student, postdoctoral research, pre-tenure faculty member) from their commission at each even-year Assembly of that Regional Commission. The first four awards are expected in 2018.

- *Obituaries* for prominent scientists were regularly published in the IASPEI Newsletters.

4. PLANNED FUTURE ACTIVITIES/ ANNOUNCEMENTS (**max. ½ page**)

- In 2018, the main focus will be on the General Assemblies of the four regional commissions of IASPEI (AfSC, ASC, ESC, LACSC), which will be held in Morocco (April), China (May), USA (May) and Malta (September).

- Another main activity in 2018 will be preparational work for the 2019 Centennial General Assembly in Montreal, Canada.

- The 2021 Scientific Assembly of IASPEI is planned as a joint Assembly together with IAGA, which will be held in Hyderabad, India in August 2021.