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This informal newsletter is intended to keep IUGG Member National Committees informed about the activities of the IUGG Associations, and actions of the IUGG Secretariat. Past issues are posted on the IUGG website (<http://www.iugg.org/publications/ejournals/>). Please forward this message to those who will benefit from the information. Your comments are welcome.

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1. Call for invitations to host the XXVIII IUGG General Assembly in 2023

Proposals to host the XXVIII IUGG General Assembly in 2023 are now being accepted and must be received by **7 January 2019** (six months before the next General Assembly, consistent with IUGG By-Law 6): http://www.iugg.org/assemblies/Invitation_Host_IUGG_GAs.pdf. The Guidelines for proposals are posted at http://www.iugg.org/assemblies/Guidelines_IUGG_GAs.pdf or can be received directly from the IUGG Secretariat. All proposals will be evaluated by an impartial committee appointed for that purpose, and a report will be given to the IUGG Council before its final vote. The IUGG Council, at its meeting in Montreal, Canada, July 2019, will make the final selection from the proposals that are received.

2. Scientific meetings selected for IUGG support in 2018

IUGG co-sponsors symposia and workshops appropriate to Union disciplines of study. IUGG allocated US\$20,000 to assist meetings by supporting the participation of young and female scientists and scientists from developing countries. In 2018, IUGG will support 17 scientific meetings listed below (the IUGG Association that endorsed the meeting is indicated in brackets):

1. 2nd IndOOS Review Workshop, Lombok, Indonesia, 22-23 March (IAPSO, \$1500)
2. XI Congreso Latinoamericano de Geofísica Espacial (XI COLAGE), Buenos Aires, Argentina, 15-20 April (IAGA, \$1000)

3. Second General Assembly of the African Seismological Commission (AfSC 2018), Al Hoceima, Morocco, 23-27 April (IASPEI, \$1500)
4. 3rd scientific assembly of the IASPEI Seismological Commission for the Latin American and Caribbean region (LACSC): “Seismology of the Americas”, San Juan, Puerto Rico, 24-26 April (IASPEI, \$1500)
5. 4th ANtartic Gravity Wave Instruments Network (ANGWIN) workshop, São José dos Campos SP, Brazil, 24-26 April (IAMAS, \$500)
6. 2018 GEWEX Science Conference "Extremes and Water on the Edge", Canmore, AB, Canada, 6-11 May (IAMAS, \$1500)
7. Understanding the Problems of Inland Waters: Case Study for the Caspian Basin (UPCB), Baku, Azerbaijan, 12-14 May (IAPSO, \$500)
8. 12th General Assembly of the Asian Seismological Commission (jointly organized with the 4th International Conference on Continental Earthquakes), Chengdu, Sichuan Province, China, 12-14 May (IASPEI, \$1000)
9. 10th workshop on “Long-Term Changes and Trends in the Atmosphere”, Hefei, Anhui, China, 14-18 May (IAMAS, \$500)
10. International Summer School in Glaciology, McCarthy, AK, USA, 5-15 June (IACS, \$1500)
11. 7th IAGA/ICMA/SCOSTEP Workshop on Vertical Coupling in the Atmosphere-Ionosphere System, Potsdam, Germany, 2-6 July (IAGA, \$1000)
12. ISARRA 2018 (International Society for Atmospheric Research using Remotely piloted Aircraft), Boulder, CO, USA, 9-12 July (IAMAS, \$1500)
13. X Jornadas Nacionales de Ciencias del Mar, Buenos Aires, Argentina, 30 July-3 August (IAPSO, \$1000)
14. 24th Electromagnetic Induction Workshop, Helsingør, Denmark, 12-19 August (IAGA, \$1500)
15. State of the Arc (SOTA 7), San Pedro de Atacama, Chile, 1-8 September (IAVCEI, \$1500)
16. 36th General Assembly of the European Seismological Commission, Valletta, Malta, 2-7 September (IASPEI, \$1000)
17. 14th Joint iCACGP Quadrennial Symposium /15th IGAC Science Conference (in conjunction with the 2018 iCACGP/IGAC Early Career Short Course), Takamatsu, Kagawa, Japan, 25-29 September (IAMAS, \$1500)

3. Report on the IAG-IASPEI Joint Assembly



The first joint Scientific Assembly of the International Association of Geodesy (IAG) and the International Association of Seismology and Physics of the Earth's Interior (IASPEI) was held at the Kobe International Conference Center in Kobe, Japan, from 30 July to 4 August 2017 (<http://www.iag-iaspei-2017.jp>) and was a great success. The scientific program included 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 nine Joint Symposia attracted many participants and had to be accommodated in two parallel sessions throughout the duration of the conference. The conference had 1107 registered participants from 65 different countries, 360 of those with preference for IAG and 747 for IASPEI. With this number of participants, the Kobe conference was, to our knowledge, the largest IASPEI Assembly ever, although with respect to IAG participants, it was typical in size.



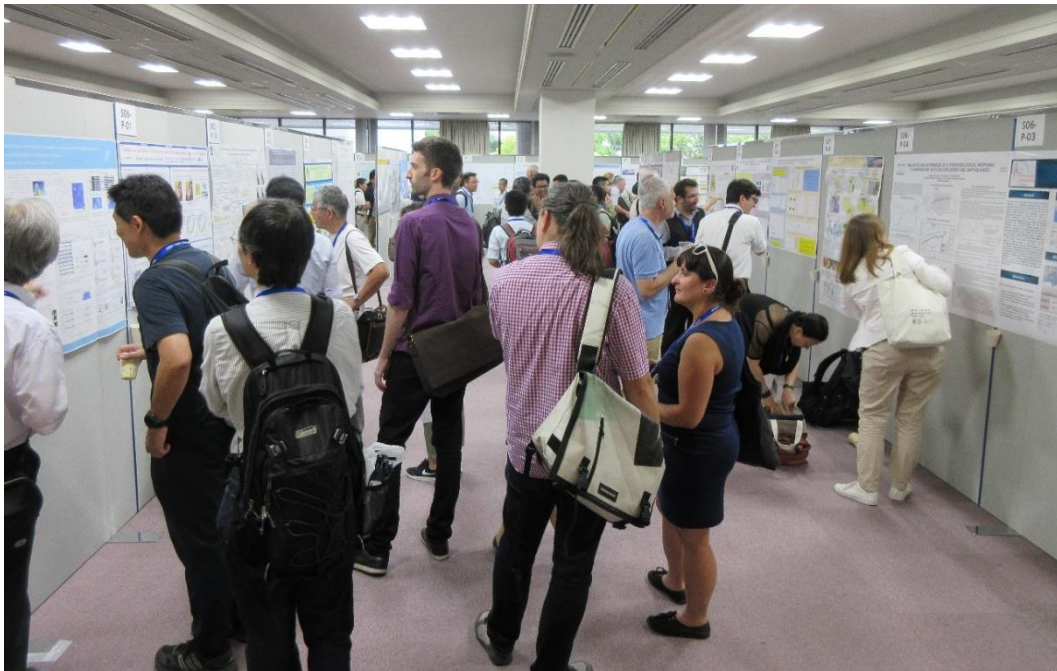
IAG-IASPEI joint ice-breaker (photo: K. Satake)

The Assembly started with a well-attended ice-breaker on Sunday evening. During the joint Opening Ceremony on Monday, three invited plenary talks were delivered by: Kosuke Heki, who spoke about “Geodesy in Japan: Legends and highlights”, Barbara Romanowicz about “Imaging the Earth's deep interior using seismic waves in the age of high-performance computing”, and Manabu Hashimoto about “Evolution of earthquake science with space geodesy”. During the following IASPEI Opening Plenary, the third IASPEI Medal was awarded to Eric Robert Engdahl, and in the IAG Opening Plenary the Awards for best young authors in the Journal of Geodesy were presented to Xingxing Li (Germany) and Olga Didova (The Netherlands).

Due to the seismic area of the venue, the joint symposia included themes related to earthquakes and deformations:

- J01 Monitoring of the cryosphere;
- J02 Recent large and destructive earthquakes;
- J03 Deformation of the lithosphere: Integrating geodesy and seismology through modelling;
- J04 Geohazard early warning systems;
- J05 Crustal dynamics: Multidisciplinary approach to seismogenesis;
- J06 The spectrum of fault-zone deformation processes (from slow slip to earthquake);

- J07 Tracking the sea floor in motion;
- J08 Imaging and interpreting lithospheric structures using seismic and geodetic approaches;
- J09 Geodesy and seismology general contributions.



At the poster presentation area (photo: K. Satake)

A perspective result of the joint Assembly was the new Inter-Association initiative between IAG and IASPEI to form a joint Sub-Commission on *Seismo-Geodesy*. The home of this new Sub-Commission within IAG will be the Commission 3 on Geodynamics and Earth Rotation, and in IASPEI it will be the Commission on Earthquake Source Mechanics (ESM).

Hermann Drewes, IAG Secretary General
 Johannes Schweitzer, IASPEI Secretary General

4. Report on the IAPSO-IAMAS-IAGA Joint Assembly



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The IAPSO-IAMAS-IAGA Joint Assembly was held in Cape Town, South Africa, from 27 August to 1 September 2017. South Africa has a strong geographic advantage for conducting and directing research in the surrounding oceans (IAPSO) and atmosphere (IAMAS), the southern skies (IAGA) and as far south as Antarctica. Logistically, it is the closest African point to the South Pole and is a well-established gateway to Antarctica. Fundamental ongoing space physics research in South Africa includes the mechanisms of energy transfer across the upper atmosphere and the impact of space weather on modern electrical technologies. The surrounding oceans, atmosphere and the southern skies of Southern Africa provide excellent opportunities for raising public awareness and engaging with the future generation of earth-system scientists.

The IAPSO-IAMAS-IAGA Joint Assembly officially closed on Friday, 1 September 2017. The conference was a highly successful Joint Assembly organized at Cape Town's CTICC and the first of its kind between the three IUGG Associations. More than 1000 delegates from 54 countries participated in the Joint Assembly.



A truly African opening ceremony (photo: the IAMAS Secretary General Office)

On 30 August, each Association hosted its Award Ceremony.

IAGA Shen Kuo Award for Interdisciplinary Achievements to Jeffrey Forbes

In recognition of Jeffrey Forbes' scientific achievements, including studies of the upper atmosphere environments of Earth, Mars, and other planets; coupling of these environments to lower altitudes and to solar variability; geomagnetic storm effects on satellite drag variability; the vertical propagation of tides and planetary waves in planetary atmospheres, and their electrodynamic and chemical effects.

IAGA Long Service Medal to Jean Rasson

In recognition of Jean Rasson's efforts continuously dedicated to produce the highest quality geomagnetic field data in many observatories around the world and repeat stations, and his devoted work to make Dourbes observatory a center for absolute instrument and variometer development, comparison and testing.

IAGA Young Scientist Award to Emma Douma, Katarzyna Dudzisz, and Federico Gasperini



Medalists and Awardees with the IAGA Officers at the Award Ceremony (photo: Mioara Manda)

IAMAS Early Career Scientist Medal to Corinne Hoose

This medal is awarded to an early career scientist working in any area of atmospheric science, who has carried out excellent scientific research and has shown to have the potential to make a significant international contribution in the future



Corinne Hoose receiving the Early Career award (photo: John Turner and the IAMAS Secretary General Office)

IAPSO Prince Albert I Medal to Lynne Talley

The Prince Albert I Medal is an award offered by the Foundation Rainier III of Monaco to a scientist who has made outstanding contributions to the enhancement and advancement of the physical and/or chemical sciences of the oceans. The Medal is awarded every two years to a most prominent scientist chosen by a specially appointed IAPSO Award Committee.

Lynne Talley has made outstanding scientific advances while contributing an exceptional level of service to ocean sciences spanning four decades of academic and professional excellence; including teaching in the Scripps educational programs, mentoring, and services. There are few who know the ocean as well as Lynne Talley, making her a most worthy recipient of the 2017 Prince Albert I Medal.



Lynne Talley (left panel) and Jonathan Durgadoo (right panel) receiving their Awards (photo: Christa Hildebrand)

IAPSO Eugene la Fond to Jonathan Durgadoo

This medal is awarded to an early career scientist from a developing country who makes an outstanding presentation at scientific assemblies.

Isabelle Ansorge, Chair of the Local Organizing Committee

5. News from the International Council for Science

New Executive Director of the IRDR Secretariat



The Scientific Committee of the Integrated Research on Disaster Risk (IRDR) Program announced Qunli Han as its new Executive Director. Before joining IRDR, Qunli was the Secretary of the UNESCO’s Man and the Biosphere (MAB) Programme and the Director of the Division of Ecological and Earth Sciences of UNESCO. “Qunli and his team in the International Project Office of IRDR are fully committed to work with all involved in IRDR and to bring forward this important international initiative with success,” the IRDR wrote when making the announcement.

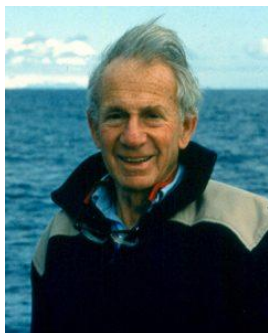
New Director of ICSU Regional Office of Asia and the Pacific



The ICSU Regional Office of Asia and the Pacific (ROAP) announced the appointment of Mazlan Othman as the new Director of ROAP. Malaysia’s first astrophysicist, Othman has a history of working for the advancement of science and has been a distinguished career including being Director of the United Nations Office for Outer Space Affairs from 2010-2014, and founding Director General of the Malaysian National Space Agency from 2002-2007.

Source: ICSU website

6. Jubilee: Walter Munk's 100th birthday



Professor Walter Munk, a scientist at the Scripps Institution of Oceanography at the University of California San Diego, is arguably the most distinguished living oceanographer, and one of the founding fathers of modern Physical Oceanography. He pioneered wartime wave forecasting, tide prediction, ocean sound transmission, ocean circulation, deep-sea tides and much more. His talk at the last IUGG General Assembly in 2015 in Prague, Czech Republic, attracted the attention of the entire geophysical community. He has received numerous national and international medals and awards, including IAPSO's first Albert I Medal in 2001.

Born in Austria-Hungary on 19 October 1917, Walter Munk celebrated his *100th birthday* at home in California. The UC San Diego welcomed His Serene Highness Prince Albert II of Monaco to campus for a Centennial Conversation with Walter Munk on 26 October. More information about Walter Munk can be found at: <https://scripps.ucsd.edu/symposiums/munk100>.

Congratulation to Walter!

7. Meeting calendar

A calendar of meetings of interest to IUGG disciplines (especially those organized by IUGG Associations) is posted on the IUGG website (<http://www.iugg.org/calendar.php>). Individual Associations also list more meetings on their websites according to their disciplines.

December

- 4-5, IAHS, WMO, Geneva, Switzerland, IAHS Measurements and Observations in the XXI Century (MOXXI) and WMO HydroHub joint meeting 2017. Web: <http://iahs.info/Commissions--W-Groups/Working-Groups/MOXXI/Information/MOXXI-2017.do>
- 4-5, IAHS, Guangzhou, China, IAHS-ICWQ-Panta Rhei Workshop on “Water quality – a component of the water-energy-food nexus”. Web: <https://iahs.info/uploads/Meetings/IAHS-ICWQ%20workshop%20Dec%202017-Guangzhou%20China2.pdf>
- 4-15, CODATA, Sao Paulo, Brazil, CODATA-RDA School of Research Data Science. Web: http://www.ictp-saifr.org/?page_id=15270
- 11-15, AGU, New Orleans, LA, USA, 2017 American Geophysical Union - Fall Meeting. Web: <http://fallmeeting.agu.org/2017/>
- 11-22 December, ICTP, IUGG, Hanoi, Vietnam, Workshop-Conference on Earthquake and Tsunami Hazards: Modeling and Observations. Web: <http://indico.ictp.it/event/8176>

January 2018

- 7-12, AGU, Quinamavida, Chile, Chapman Conference on Merging Geophysical, Petrochronologic, and Modeling Perspectives to Understand Large Silicic Magma Systems. Web: <http://chapman.agu.org/silicic-magma>

- 12-17, IAHS, UNESCO, Bangui, Central African Republic, Water quality and uses in Central and Eastern Africa: impacts on ecosystems and health. Web: <https://forumuniversitedebangui-34.webself.net/accueil>
- 15-17, IAG, ISPRS, Zurich, Switzerland, 14th International Conference on Location Based Services. Web: <http://lbs18.ethz.ch/>
- 15-19, GEO, Hyderabad, India, Geospatial World Forum. Geo-enabling 4th Industrial Revolution. Web: www.geospatialworldforum.org

February 2018

- 4-8, AOGS, EGU, Tagaytay, Philippines, New Dimensions for Natural Hazards in Asia: An AOGS-EGU Joint Conference. Web: <http://www.nathazards.org/public.asp?page=home.htm>
- 22-23, CGMW, Paris, France, 2018 CGMW General Assembly. Web: <https://ccgm.org/en/content/7-general-assembly>
- 26 February 26 – 2 March, IAVCEI, Neuquén, Argentina, Geochemical Techniques Applied to Active Volcanoes. Web: <https://citevaunrn.wixsite.com/cursodeposgrado2018>

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