

# Annual Report for 2017

## International Association of Geomagnetism and Aeronomy

### 1. INTRODUCTION

**IAGA**, the International Association of Geomagnetism and Aeronomy (AIGA - Association Internationale de Géomagnétisme et d'Aéronomie) is one of the eight Associations of the International Union of Geodesy and Geophysics (IUGG). It is a non-governmental body funded through the subscriptions paid to IUGG by its Member Countries. IAGA has a long history and can trace its origins to the Commission for Terrestrial Magnetism and Atmospheric Electricity, part of the International Meteorological Organisation, which was established in 1873.

IAGA is the premier international scientific association promoting the study of terrestrial and planetary magnetism, and space physics. IAGA is concerned with the understanding and knowledge that result from studies of the magnetic and electrical properties of:

- the Earth's core, mantle and crust
- the middle and upper atmosphere
- the ionosphere and the magnetosphere
- the Sun, the solar wind, the planets and interplanetary bodies.

### 2. ADMINISTRATION

Since 2015, IAGA is organised in six Divisions and four Inter-divisional Commissions, each led by a Chair and a Co-Chair. Each Division may form Working Groups in given specialised topics and elects officers to run the business of the Working Groups. During the XXVI IUGG General Assembly in Prague (2015), IAGA renewed its officers. The links below lead directly to lists of the Division/Inter-divisional Commission leadership and the Working Group names and officers:

<http://www.iaga-aiga.org/about/>

IAGA is administered by an [Executive Committee](#) on behalf of IUGG **Member Countries** in accordance with the Association's Statutes and By-Laws. The current Executive Committee members are:

**President:** Eduard Petrovsky (Czech Republic)

**Vice-President:** Monika Korte (Germany)

**Secretary General:** Mioara Manda (France)

**Members:** Inez Batista (Brazil), Archana Bhattacharyya (India), Brian J. Fraser (Australia), Pieter Kotze (South Africa), Renata Lukianova (Russia), Alan Thomson (UK), and Andrew Yau (Canada).

IAGA communicates with Member Countries through National Correspondents nominated by appropriate national bodies. Member Countries are represented at IAGA Assemblies by accredited Chief Delegates who may vote on matters, according to the voting rules set out in the Statutes and By-Laws, at meetings of the Conference of Delegates. Information on the EC members and National Correspondents are found at: <http://www.iaga-aiga.org/about/>

### 3. ACTIVITIES

#### Joint IAPSO-IAMAS-IAGA Assembly

The main event in 2017 was the Joint IAPSO-IAMAS-IAGA Assembly which officially closed on Friday 1st September 2017. The conference was a highly successful Joint Assembly organised at Cape Town's CTICC, and the first of its kind between the three IUGG associations. Lasting a full 5 days, the Joint Assembly had a total of 1038 registrations (383 for IAGA). IAGA was indeed well represented, with 557 out of 1356 abstracts (the conference abstracts are available on the IAGA web).

The IAGA programme efficiently ran in a conference centre which provided an excellent space, giving us the chance to catch up with latest developments in our own research specialities, as well as take in some of the more inter-disciplinary topics. The meeting provided many opportunities for scientists to discuss different topics, over breaks, poster sessions, and the IAGA special dinner party!

On Thursday 30th August each association hosted their medal awards. For the first time, IAGA organised a special event, including the ceremony itself and an invited lecture given by the Shen Kuo awardee, Jeffrey Forbes.



The IAGA awards ceremony: IAGA Shen Kuo Award for Interdisciplinary Achievements to Jeffrey Forbes, IAGA Long Service Medal to Jean Rasson; Young Scientist Award to

Emma Douma (NZ), Katarzyna Dudzisz (PL) and Federico Gasperini (USA)

### **The 3rd IAGA School**

The third IAGA Summer School took place at SANSA Space Science in Hermanus, South Africa, from 20-26 August 2017 (the week before Scientific Assembly of IAPSO-IAMAS-IAGA). The event was attended by 19 post-graduate students from 15 countries worldwide (e.g., Algeria, Brazil, Mexico, India, Japan, Russia, Poland, UK, South Africa). The attendees included students nominated for the IAGA Young Researcher Award, or nominated by the IAGA Division and Working Group leaders. Altogether 6 topics across all the disciplines of IAGA were covered by lectures given by experts in their fields. Lectures were accompanied by practical projects that the students worked on in groups and presented on the last afternoon. Interactions among students and between students and lecturers were very friendly and informal and friendships and networks were formed. Both the students and the lecturers gave very positive feedback on the event.



The 3<sup>rd</sup> IAGA school (Hermanus, South Africa)

### **Sponsored Topical Meetings**

IAGA sponsored several topical meeting during 2017. The main achievements are published in the last IAGA newsletters.

25Jun – 1Jul	2nd Conference on Natural Dynamos,	Bratislava, SK	Jan Simkanin
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17 - 21 Jul	Space Weather of the Heliosphere: Processes and Forecasts	Exeter, UK	Claire Foullon
18 - 22 Sep	V LATINMAG	UNAM Juriquilla Campus, MX	Roberto S. Molina Garza

## Publications

### *IAGA Newsletters 54*

The last issue of IAGA Newsletters was distributed at the end of December 2017. It can be downloaded from the IAGA web site [www.iugg.org/IAGA](http://www.iugg.org/IAGA).

### *New Flyer and Poster*

The new version of the IAGA flyer is also available.



## 4. FUTURE ACTIVITIES

### Preparations for IUGG 2019

During 2018 IAGA will be involved in organising several topical meetings, as well as in preparing of an attractive programme for the 2019 IUGG Assembly, when 100 years of IUGG will be celebrated.

Mioara MANDEA  
IAGA Secretary General