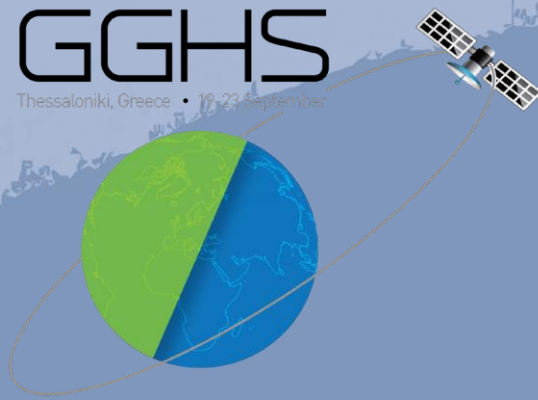


GGHS

Thessaloniki, Greece • 19-23 September



First Joint Commission 2 and IGFS Meeting International Symposium on Gravity, Geoid and Height Systems 2016

First Circular

Thessaloniki, Greece • 19-23 September 2016



www.gghs2016.com

INTRODUCTION

The GGHS2016 “Gravity, Geoid and Height Systems 2016” Meeting is the first Joint Commission2 and IGFS Symposium co-organized with GGOS Focus Area 1 “Unified Height System”. It will take place in Thessaloniki, Greece September 19-23, 2016 at the premises of the Aristotle University of Thessaloniki (Main Ceremony Hall of the Aristotle University of Thessaloniki). Its main focus is on methods for observing, estimating and interpreting the Earth gravity field as well as its applications.

GGHS2016 continues the long history of IAG’s Commission 2 Symposia, GGG2000 (Banff, Canada), GG2002 (Thessaloniki, Greece), GGSM2004 (Porto, Portugal), GGEO2008 (Chania, Greece), GGHS2012 (Venice, Italy), with those of IGFS, 1st IGFS Meeting 2006 (Istanbul Turkey), 2nd IGFS Meeting 2010 (Fairbanks, Alaska, USA), 3rd IGFS Meeting 2014 (Shanghai, China) under a unified umbrella, the latter being decided during the XXVI IUGG General Assembly in Prague.

More information on the conference sessions, venue site and hosting city along with important dates for abstract submission, registration, trip and visa arrangements can be found in the symposium website at <http://www.gghs2016.com>.

SUBJECTS - THEMES

During the last decade, geodesy in general and gravity field modelling in particular, have experienced a notable swing in both their recognition and end-product use by many scientific disciplines. This was mainly due to the advent of the dedicated satellite gravity missions CHAMP, GRACE and GOCE, which have brought new insights to both the static and time-variable representations of the Earth's gravity field. Future satellite missions such as GRACE-Follow On and the generation beyond, complemented by enhanced processing technologies, shall substantially improve this knowledge with further increased spatial and temporal resolution. Alongside came advancements in traditional terrestrial, airborne and shipborne gravity instrumentation which offer considerable improvements in gravity networks and the monitoring of gravity variations.

Moreover, the continuous availability of altimeters on-board satellites and the improvements in the representation of the marine geoid have provided higher accuracies to shorter spatial scales of the ocean topography and circulation. The collocated use of the new datasets and models offered by gravity-field related research can improve the knowledge of the Earth system, its sub-systems, coupling processes among them, which are important indicators for climate change. They provide the breadboard for innovative investigations of the solid Earth giving new details of crust and mantle and their variation in time. Finally, they can lead to the linkage of

local vertical datums to a global one, the latter being fundamental for monitoring sea level variations, as well as engineering and hydrological and cryospheric studies.

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GGHS2016 SESSIONS

Session 1: Current and future satellite gravity missions

Session 2: Global gravity field modelling

Session 3: Local/regional geoid determination methods and models

Session 4: Absolute and relative gravimetry: observations and methods

Session 5: Height systems and vertical datum unification

Session 6: Altimetry, Mass transport and Climate-relevant processes

IMPORTANT DATES

Feb. 15, 2016 – Apr. 30, 2016	Abstract Submission
Jun. 15, 2016	Early Registration
Jun. 30, 2016	Abstract acceptance notification
Jul. 31, 2016	Session organization
Aug. 15, 2016	Letter of schedule

COMMITTEES

LOC

George S. Vergos (Chair of the LOC)

Vassilios N. Grigoriadis

Christopher Kotsakis

Dimitrios A. Natsiopoulos

Dimitrios Tsoulis

Ilias N. Tziavos

Scientific Committee

Roland Pail (President Comm. 2)

Riccardo Barzaghi (President IGFS)

Shuanggen Jin (Vice President Comm. 2)

Laura Sanchez (Chair GGOS Focus Area 1 JWG 0.1.1)

Leonid Vitushkin (Chair SC2.1)

Jonas Agren (Chair SC 2.2)

Adrian Jäggi (Chair SC 2.3)

Maria Cristina Pacino (Chair SC 2.4)

Xiaoli Deng (Chair SC 2.5)

Jürgen Kusche (Chair SC 2.6)

Pavel Novak (President ICCT)

Sylvain Bonvalot (Director BGI)

Franz Barthelmes (Director ICGEM)

Mirko Reguzzoni (Director ISG)

Jean-Pierre Barriot (Director ICET)

REGISTRATION AND PAYMENT

	Before or on June 15 th 2016	After June 15 th , 2016
Regular registration	300€	370€
PhD Students*	100€	150€
AUTH Undergraduate and MSc students*	30€	30€
Accompanying Persons	40€	40€

** A confirmation letter by the head of the Department, School, University is required. For PhD, MSc and Undergraduate student status verification, please send a copy of your student ID or a confirmation letter by the Head of the Department/School/University to the conference secretary (please fax to +30 2310 22 14 08 or e-mail a scan to info@gghs2016.com).*

Regular and PhD registration fee

The fee includes:

1. Entry to all GGHS 2016 sessions, presentations, conference proceedings, related working material
2. Coffee and tea daily
3. Welcome Reception
4. Finger food during poster sessions
5. Official dinner

Accompanying person's registration fee

The fee includes:

1. Welcome Reception
2. Official dinner

AUTH Undergraduates and MSc students registration fee

The fee includes:

1. Access to the conference
2. Coffee and tea daily

How to submit an abstract

Thank you very much for your interest in the 1st Joint Commission 2 and IGFS International Symposium – GGHS2016, co-organised with GGOS Focus Area 1 “Unified Height System”. Please follow the guidelines for the submission of your abstract. Please note that no abstract processing charge is levied for your submitted abstract(s).

Abstract submission bears the obligation of the author or one of the authors in case of a joint work, to complete the GGHS2016 online registration before or on the early-bird registration deadline in June 15, 2016. If no registration has been received by that date for one of the abstract authors, then the abstract will not be considered by the respective session chairs and the conference scientific committee for inclusion in the GGHS2016 program.

For the abstract submission, please use the [Online Submission](#) system provided in the GGHS2016 website. The system will be open to submit your abstract on February

15th, 2016. Abstracts cannot be submitted by fax and/or e-mail.

Abstract Preparation

- Browse through the [session programme](#) and select the session of your interest to submit your abstract(s) to.
- Please use a WORD processor in preparing your abstract or other compatible software like, for example, LibreOffice. The abstract should have the following structure:
 - Title
 - Author(s)
 - Affiliation(s)
 - Main body of abstract
 - Keywords (please include 3-5 keywords)
 - Session the abstract is submitted to
 - Presentation preference
- Please use the [WORD template file provided](#) or follow the exact setting given in the [PDF version of the template](#).
- Your abstract text should be 100–500 words.
- Please be as concise as possible, including the subject you want to tackle, the methods used and the main results achieved.

- Each abstract should be submitted as a WORD/PDF file using the [Online Submission](#) system provided in the GGHS2016 website. The system will be open to submit your abstract on February 15th, 2016.

License and Copyright

The following licence and copyright agreement is valid for any GGHS2016 abstract.

Author's certification

In submitting the abstract, the authors certify that:

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ACCOMMODATION

NB EVENTS - GGHS2016 Official Organizer has negotiated special hotel rates for some of the best hotels in Thessaloniki. Participants will have the opportunity to book one of the recommended hotel through the GGHS2016 online accommodation booking system. The accommodation system and hotel information will be available soon. Please note that hotel prices have been secured by the conference organizer for a limited number of rooms and can be guaranteed only if you book your hotel through GGHS2016 online accommodation booking system.

For more information please contact us:

Communication:

EMAIL: info@gghs2016.com

TELEPHONE: +30-2310223461

FAX:+30-2310-221408

<http://nbevents.gr>

OTHER INFO

- **Facilities.** Delegates of GGHS2016 may choose from a variety of restaurants in the close vicinity of the Congress venue.
- **Transportation.** The main Ceremony Hall of the Aristotle University, designed by the architects C. Fines and C. Papaioannou, is located in the main campus, next to the Administration building. Public bus and taxi services to and from the centre of the city are provided on a 24h basis. A one-way bus ticket costs € 1.00, while taxi fees depend on the time of travel, traffic load, etc., but normally should not exceed € 15.00 for any route within the city limits. Bus route details and maps are available at www.oasth.gr/en.
- **Arrival by airplane.** Macedonia International Airport of Thessaloniki (airport code SKG) has daily connections to many major European destinations through scheduled services of a large number of international airlines. It is the second largest airport in Greece and is located 15 km away from the city centre with regular public bus connections. There are also some low-cost charter flights operating from European cities directly to Thessaloniki. An alternative option is to use the low-cost carriers' flights operating to Athens and connect by train to Thessaloniki. Delegates are strongly recommended to book air travel as early

as possible, as Greece is a busy tourist destination.

- **Arrival by train.** The city's railway station is the largest in Greece and is located very close to the city centre. There are international daily arrivals and departures from and to several destinations. It is served by a dense network of public bus transportation. Timetables and tickets are supplied by the (OSE) Hellenic State Railways Offices (www.ose.gr/en, Thessaloniki office tel: +30 (231) 05.17.517).
- **Arrival by car.** Those wishing to drive to Greece may either ferry their cars across to one of the country's major ports (Igoumenitsa, Piraeus, Patras etc.) or enter the country overland. The mainland points of entry are Kakavia, Kristallopigi (Albania), Evzoni, Niki (FYROM), Promahonas (Bulgaria), Kastania and Kipi (Turkey). All border stations operate on 24 hour service basis.
- **Visas.** Greece is a member of the European Union; therefore no visa is needed for E.U. citizens. Non - E.U. participants should contact their nearest Greek Embassy or Consulate for further information. For a complete listing of Greek Embassies and Consulates abroad, including full contact information, you may visit the page of the Greek Ministry of Foreign Affairs at www.mfa.gr/en. Those who require a formal invitation for the purpose of obtaining a visa, or raising travel funds in

their country, may apply to NB Events (info@gghs2016.com).

- **Insurance.** Travel insurance and medical care, when needed, are solely under the responsibility of the participants.
- **Climate & Clothing.** Weather is usually mild in late September, but it can be wet. Temperatures may sometimes reach well above 25° C. Generally one should expect sunny days, probably with high humidity and perhaps cool nights which require warmer clothing.

USEFUL ADDRESSES

Some Internet addresses that might be of use to the participants:

- E-mail address of the GGHS2016 Meeting: info@gghs2016.com
- Public bus schedules, routes and maps: www.oasth.gr/en
- Hellenic Railways: www.ose.gr/en