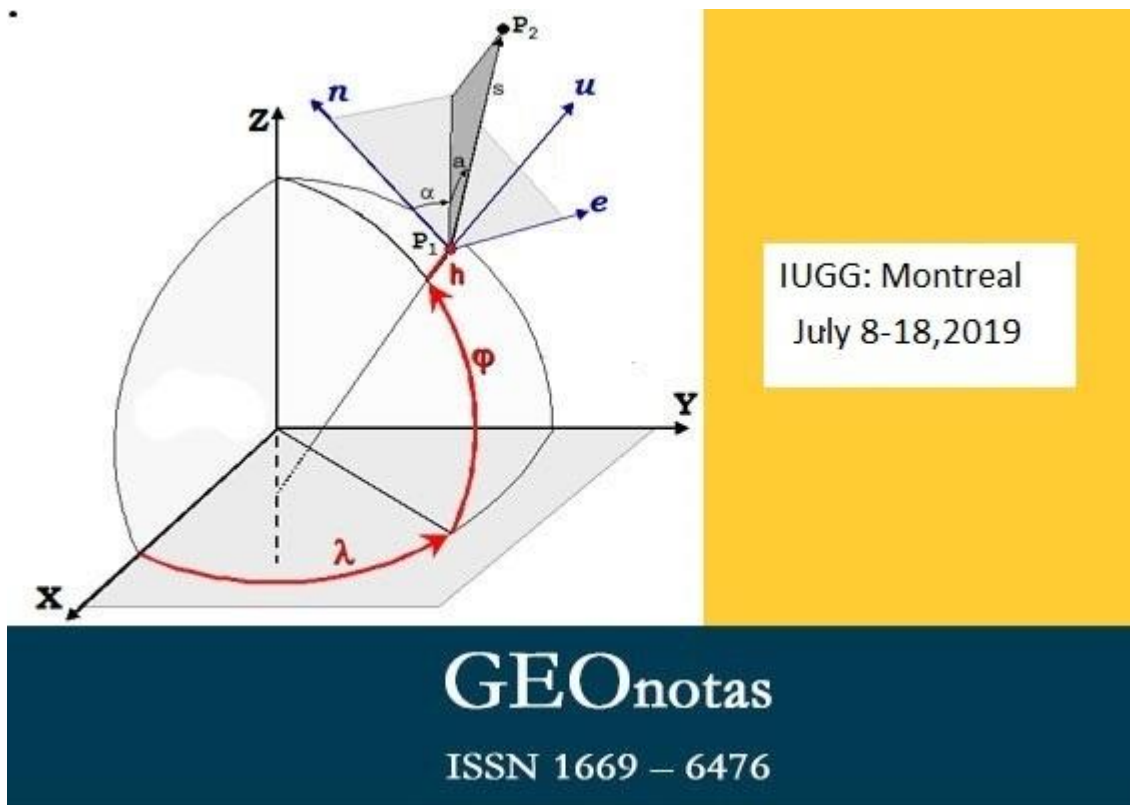




Año XVI – Edición 102 (15 de la segunda época)

17 de febrero de 2019

Asamblea General de la U.G.G.I

The International Union of Geodesy and Geophysics (IUGG) holds its 27th General Assembly from July 8 to 18, 2019 in Montreal, Canada. The general assembly theme is the celebration of the centennial of the IUGG establishment in Brussels, Belgium, in 1919.

IUGG holds its General Assemblies every four years. Traditionally, the eight constituent associations of IUGG (Cryospheric Sciences, IACS; Geodesy, IAG; Geomagnetism and Aeronomy, IAGA; Hydrological Sciences, IAHS; Meteorology and Atmospheric Sciences, IAMAS; Physical Sciences of the Ocean, IAPSO; Seismology and Physics of the Earth's Interior, IASPEI; and Volcanology and Chemistry of the Earth's Interior, IAVCEI) arrange their General Assemblies in parallel with the IUGG. This enables to hold joint inter association symposia besides the specific association symposia and a greater involvement in the IUGG symposia.

There will be nine Union Symposia organized by IUGG and each of the associations in cooperation with the IUGG Commissions (Climatic and Environmental Changes, CCEC; Mathematical Geophysics, CMG; Geophysical Risk and Sustainability, GRC; Study of the Earth's Deep Interior, SEDI; Data and Information, UCDI; Planetary Sciences, UCPS), the IUGG Working Group on History (WGH), and the Global Geodetic Observing System (GGOS).

- U1 - Achieving Sustainable Development: The Role for Earth Sciences (IACS, CCEC),
- U2 - Georisk Reduction: Science, Resources, and Governmental Action (IAVCEI, GRC),
- U3 - Mathematics of Planet Earth: The Science of Data (IASPEI, CMG),
- U4 - Data-driven Science for Earth and Space Exploration (IAPSO, UCDI),
- U5 - New Discoveries in Earth Deep Interior (IAGA, SEDI),
- U6 - Recent Advances and Discoveries in Planetary Science and Comparative Planetology (IAMAS, UCPS),
- U7 - Centennial of the International Cooperation in Earth Sciences (IAHS, WGH),
- U8 - Earth and Space Observations (IAG, GGOS),
- U9 - Celebrating Early Career Scientists (IUGG).

In addition, there will be nine Union Lectures given in three special sessions by representatives of the IUGG and associations:

- David Grimes (IUGG): Earth Sciences as the Underlying Pillars to Meet Societal Challenges in the next Century;
- Waleed Abdalati (IACS): Exploring and Understanding Earth from Space: The Power of Perspective;
- Kosuke Heki (IAG): No geodesy, no geophysics;
- Lisa Tauxe (IAGA): Hunting the magnetic field;
- Veena Srinivasan (IAHS): Understanding and transforming water conflicts in the Anthropocene;
- Ed Hawkins (IAMAS): The value of rescuing millions of lost historical weather observations using volunteer citizen scientists;
- Karen Kohfeld (IAPSO): The Ocean's Role in Atmospheric Carbon Dioxide Changes During Ice Age Cycles;
- Vera Schlindwein (IASPEI): Singing seismograms – harmonic tremor signals in seismological records;
- Paolo Papele (IAVCEI): Volcanic giants - what we know, what we think we know, what we can't know about cataclysmic super-eruptions.

The joint symposia are always led by an association with co-conveners from other associations. IAG has the lead of the following Inter-Association Symposia:

- JG01 - Interactions of Solid Earth, Ice Sheets and Oceans;
- JG02 - Theory and Methods of Potential Fields;

- JG03 - Near-Real Time Monitoring of Regional to Global Scale Water Mass Changes;
- JG04 - Geodesy for Atmospheric and Hydrospheric Climate Research;
- JG05 - Remote Sensing and Modelling of the Atmosphere;
- JG06 - Monitoring Sea Level Changes by Satellite and In-Situ Measurements;
- JG07 - Monitoring, Imaging and Mapping of Volcanic Belts;
- JG08 - Earth Systems Literacy: Geophysics in K-16 Class Rooms, Outreach Projects, and Citizen

Science Research Projects; and IAG is sponsoring (with IAG co-conveners) the following Inter-Association Symposia led by other associations:

- JA01 - Geophysical Constraints on the Earth's Core and Its Relation to the Mantle;

JA02 - Geophysical Data Assimilation;

- JA03 - Geophysical Records of Tectonic and Geodynamic Processes;
- JA06 - Space Weather Throughout the Solar System: Bringing Data and Models Together;
- JA07 - Geoscience Data Licensing, Production, Publication, and Citation (IAGA);
- JA08 - Probing the Earth's Lithosphere and Its Dynamics Using Geophysical Modeling;
- JH02 - Climate and Hydrological Services: Bridging from Science to Practice and Adaptation;
- JP01 - Tides of the Oceans, Atmosphere, Solid Earth, Lakes and Planets;
- JS01 - Cryoseismology;
- JS02 - Early Warning Systems for Geohazards;
- JS03 - Subduction Zone Deformation and Structure: Tracking the Sea Floor in Motion;
- JS04 - Seismo - Geodesy;
- JS05 - Probabilistic & Statistical Approaches in Geosciences;
- JS06 - Old Data for New Knowledge: Preservation and Utilization of Historical Data in the Geosciences;
- JS07 - Integrated Geophysical Programs for Earth Systems Monitoring;
- JV03 - Strain Localisation and Seismic Hazards.

The IAG specific symposia are the main issue of the IAG General Assembly:

- G01 - Reference Systems and Frames;
- G02 - Static Gravity Field and Height Systems;
- G03 - Time-variable Gravity Field;
- G04 - Earth Rotation and Geodynamics;
- G05 - Multi-signal Positioning, Remote Sensing and Applications;
- G06 - Monitoring and Understanding the Dynamic Earth with Geodetic Observations.

For all details of the symposia descriptions and the program, please visit the IUGG2019 Homepage (<http://iugg2019montreal.com/>). The most important deadlines are:

- February 18, 2019: Closing of abstract submission;
- February 18, 2019: Closing of Grant application submission;
- March 30, 2019: Abstract acceptance sent to participants;
- April 5, 2019: Early-bird registration closes.

IAG invites all geodesists to participate in the General Assembly 2019 and to present their work in one of the symposia. We look forward to seeing you in Montreal!

Hermann Drewes, IAG Secretary General

From IAG Newsletter, January 2019

http://www.iag-aig.org/index.php?tpl=text&id_c=44&id_t=745

5° Simposio Gravimétrico

Tendrá lugar en San Petersburgo entre el 1° y el 4 de octubre de 2019 bajo el título de *5th International Association of Geodesy (IAG) Symposium on Terrestrial Gravimetry: Static and Mobile Measurements*.

La información correspondiente se encuentra en

www.elektropribor.spb.ru/tgsmm2019/eindex o mediante el correo electrónico tgsmm@eprib.ru

Simposio SIRGAS 2019

Se desarrollará en Río del Janeiro durante el corriente año sin haberse fijado la fecha por lo que es recomendable visitar con frecuencia la página de SIRGAS www.sirgas.org

Informe del presidente de la A. I. G.

Corresponde a las actividades desarrolladas durante el año 2018 y con la firma del presidente de la Asociación Internacional de Geodesia – Harald Schuh – se encuentra en el boletín del mes de enero del corriente de la entidad, en la dirección citada previamente.

Handbook of Mathematical Geodesy

Fue publicado en el año 2018 siendo sus editores W. Freedman y M. Z. Nashed, consta de 932 páginas y 115 ilustraciones encontrándose una descripción completa del contenido en el citado boletín de la AIG.

Vidal Ashkenazi

Recibió el premio OBE (Oficial de la Orden del Imperio Británico) que se otorga a científicos, militares, escritores, actores, músicos destacados. Desde Geonotas le hacemos llegar nuestras felicitaciones por la distinción recibida.

Es así: la eclíptica

Es incluida en los planisferios de los años 1500 y 1600 como una curva tangente a los trópicos y que cruza el ecuador en distintas longitudes. Uno de ellos es el de Hondius cuya primera edición es de 1630. Luis Robles Macías en un artículo titulado *Zodiac on Earth* intenta entender el porqué de tal inclusión sin llegar a una respuesta concreta expresando en una parte de su nota que sería un método de relacionar los signos del Zodíaco con las regiones geográficas. Pero ¿cuál será esa relación?



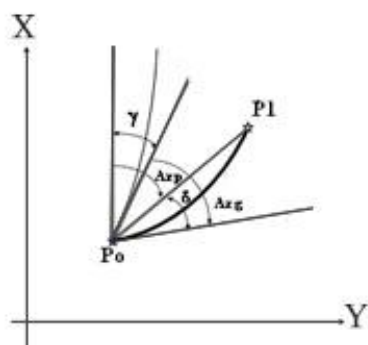
Geonotas

Las notas publicadas que revisten el carácter de permanentes han sido incorporadas en el blog al que se puede acceder con la siguiente dirección:
<http://geonotas.blogspot.com>

En el blog se encuentran, asimismo, dos documentos con ejemplos numéricos:

- Problemas básicos y complementarios de la geodesia y
- Compendio de fórmulas sobre proyecciones cartográficas.

Las ediciones anteriores de **Geonotas** están en el sitio de la Federación Argentina de Agrimensores <http://www.agrimensores.org.ar> y en la biblioteca digital del Consejo Profesional de Agrimensura de la Provincia de Buenos Aires <http://www.bibliotecacpa.org.ar>



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