

## **IX Hotine-Marussi Symposium - Rome, June 18-22, 2018**

### **Relevant information and Call for Papers**

Dear Colleagues and Friends,

it is both our privilege and pleasure to invite you to the IX Hotine-Marussi Symposium, which will be held at the Faculty of Engineering of the University of Rome "La Sapienza", Italy on June 18-22, 2018, under the scientific coordination of the InterCommission Committee on Theory (ICCT) of the International Association of Geodesy (IAG).

The main goals of the Symposium are aligned with the objectives of ICCT:

- advances in theoretical geodesy
- developments in geodetic modelling and data processing in the light of recent advances of geodetic observing systems
- interdisciplinary cooperation between geodesy and other Earth and planetary sciences

All details about the Symposium are available at the website:

<https://sites.google.com/uniroma1.it/hotinemarussi2018/>

#### **\*\*\* Scientific Committee \*\*\***

P. Novak, M. Crespi, N. Sneeuw, F. Sanso', G. Blewitt, R. Pail, M. Hashimoto, M. Santos, R. Gross, D. Tsoulis, R. Cunderlik, M. Sprlak, K. Sosnica, J. Huang, R. Tenzer, A. Khodabandeh, S. Claessens, W. Kosek, K. Borger, Y. Tanaka, A. Dermanis, V. Michel

#### **\*\*\* Local Organizing Committee \*\*\***

M. Crespi, A. Mazzoni, F. Fratarcangeli, R. Ravanelli, A. Mascitelli, M. Ravanelli, M. Di Tullio, V. Belloni, G. Savastano, A. Nascetti, G. Colosimo, E. Benedetti, M. Branzanti, M. Di Rita, P. Capaldo, F. Pieralice

#### **\*\*\* Scientific Programme \*\*\***

In particular, contributions from the following topics are strongly encouraged:

- gravity field modelling at all spatio-temporal scales
- advanced numerical methods in geodesy
- space weather and atmospheric modelling
- theory of modern geodetic reference frames and Earth rotation
- multi-sensor and time series data analysis
- theory of multi-GNSS data processing
- theoretical aspects of height system realization
- estimation theory and inverse problems in geodesy
- new instrumentation and its impact on geodetic theory
- geodetic methods in Earth system science
- methods and data for digital terrain modelling

Contributions concerning other topics related to possible interactions and mutual benefits between geodetic theory and methodology, and other initiatives and projects involving Earth and planetary sciences (for example the Group on Earth Observation) are also welcome.

Moreover, a special session at the Accademia dei Lincei (the oldest scientific academy in the world established in 1603 by Federico Cesi) will be held on 19 June 2018.

Its programme will consist of 6 invited talks focused on interactions of geodesy with

- oceanography
- glaciology
- atmosphere
- mathematics
- solid Earth system structure from space
- seismology

### \*\*\* Venue \*\*\*

The Symposium will be held at the Faculty of Engineering of the Sapienza University of Rome, Italy, in the ancient chiostrò of the Basilica of San Pietro in Vincoli, where worldwide known Michelangelo's statue

Moses is placed. The venue is located in the downtown Rome, at a walking distance from the Colosseo, Fori Imperiali and other famous archaeological sites and monuments.

Please, mind that June is a high-season tourist period in Rome, so that an early registration and accommodation booking is highly recommended.

### \*\*\* Abstracts, presentations and papers \*\*\*

Deadline for abstract submission is February 18, 2018; both the guidelines are available at the IX Hotine-Marussi Symposium 2018 website.

Each abstract will be reviewed by the Scientific Committee and its eventual acceptance will be notified by e-mail to the corresponding author by March 25, 2018.

Upon abstract submission, the corresponding author will have to indicate the preference for oral or poster presentation. However, the final decision on the form of presentation will be taken by the Scientific Committee during the abstract review.

Guidelines for the full paper submission for peer-review and related formatting instruction is available through the IX Hotine-Marussi Symposium 2018 website.

Accepted papers will be published by Springer as a volume of the official IAG series.

### \*\*\* Registration fees \*\*\*

Three kinds of registration fees are distinguished:

- regular registration: 450 Euro
- young researcher (age < 32 at Symposium) registration: 250 Euro
- one-day registration: 100 Euro

An additional 50 Euro fee will be charged to regular and young researcher registration fees in case of late registration (after April 1, 2018).

The registration fees can be paid by bank transfer or by a credit card in advance, according to the information published on the IX Hotine-Marussi Symposium 2018 website; cash is accepted on site only.

The registration fees will include:

- symposium proceedings (on-line form)
- coffee breaks
- social programme (night tour of the Vatican Museum and the Sistine Chapel, social dinner)  
(regular and young researcher registrations only)

We look forward to welcoming you in Rome!

P. Novak, M. Crespi, N. Sneeuw, F. Sanso'