



# URSI GASS 2020

Session G04 on ionosonde-based research and development

01/21/2020

URSI is actively accepting submissions to the 2020 General Assembly to be held in Rome on 29 August - 5 September. Please consider joining your fellow researchers and engineers at this top forum of Radio Science with your latest results. The INAG-related session is G04: *Science with Modern Ionosondes and Associated Instrumentation and Models*.

And thanks!

Abstract submission deadline: January 31, 2020

Submission page:

<https://www.cvent.com/c/abstracts/75ea042e-5d88-4d0b-afe9-81daeee8dbcd>

**Session G04: Science with Modern  
Ionosondes and Associated Instrumentation  
and Models**

**Ionosondes remain the workhorse of ionospheric weather monitoring, providing measurements of high quality and resolution in near real-time and from a global network of observatories. Modern HF systems have re-emerged as rapid-insight, high-sensitivity Ionosphere Disturbance Indicators (IDIs) that detect and specify adverse effects on trans-ionospheric signal propagation. The session welcomes contributions on recent advances in the ionosonde science and engineering, with a traditional emphasis on the capability to promptly infer ionospheric conditions, on their local and global scale. We are interested in success stories of using ionosondes to specify traveling ionospheric disturbances (TID), ionospheric scintillation activity (ISA), elevated radio absorption (ERA), and other natural and man-made phenomena that make the modeling of ionospheric conditions a difficult task. Special attention will be given to cooperative monitoring of the ionosphere with other instruments, where the synergy of the measurement variety brings a new understanding and practical solutions.**

---

**Ivan Galkin**  
UMass Lowell: GIRO  
INAG Chair

**John Bosco Habarulema**  
SANSa, South Africa  
INAG Co-Chair

**Baiqi Ning**  
IGG CAS, Beijing, China  
INAG Co-Chair

and **Kehe Wang**, SWS BOM Australia, INAG Bulletin Editor

---

**Exit Note:** INAG would like to hear from you on your status and plans. To contribute an article to the INAG Bulletin please write to [bulletin@ursi-inag.org](mailto:bulletin@ursi-inag.org). Your article will be published to the URSI G.1 site and announced in this newsletter. To send a short note to INAG newsletter, simply reply to [chair@ursi-inag.org](mailto:chair@ursi-inag.org).