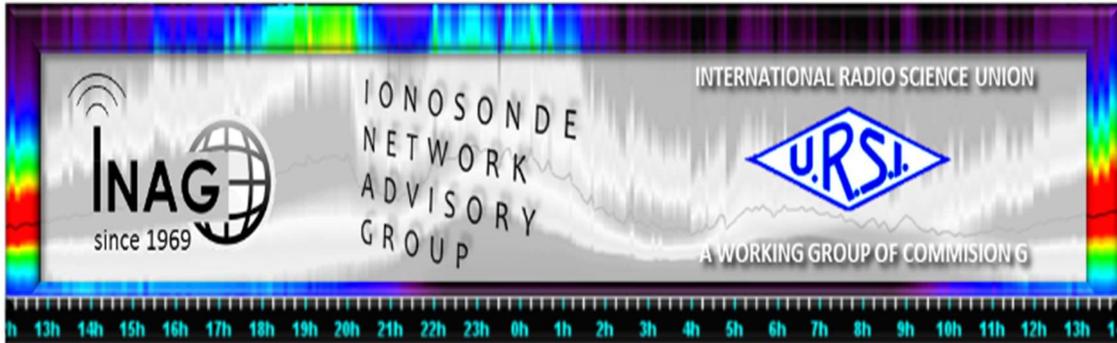


INAG: URSI Working Group G.-1 Membership: 402

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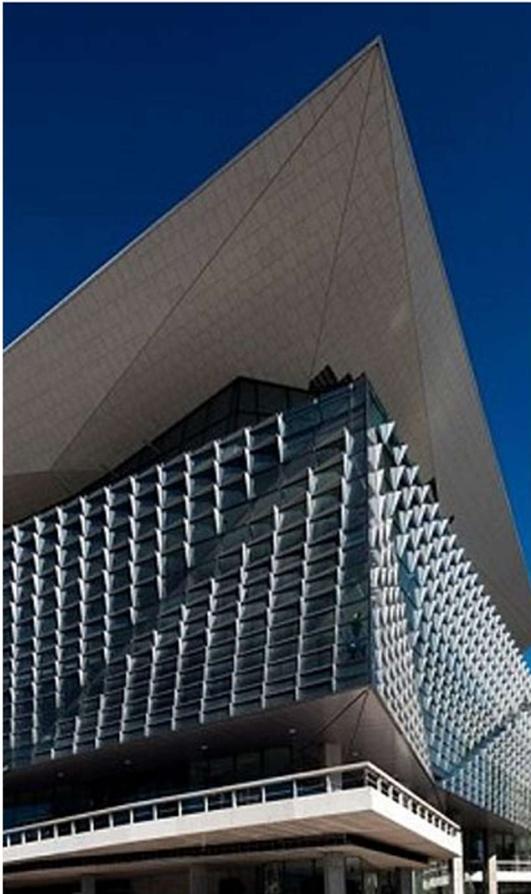


# COSPAR 2020

## C4.1 IMPROVING THE DESCRIPTION OF HEMISPHERIC DIFFERENCES IN IONOSPHERIC MODELS

To: <<Title>> <<Full Name in Correct Order>>, <<Country>>

02/10/2020



Dear <<First Name (Informal)>>,

**COSPAR 2020 will take place in Sydney, Australia on Aug. 15 – 22, 2020.**

Our colleagues at IRI Working Group would like to draw your attention to Session C4.1:

### **Improving the Description of Hemispheric Differences in Ionospheric Models**

Abstract submission deadline is quickly approaching on February 14. Please contribute your results to the session; the abstract submission page is here:

<https://www.cospar-assembly.org/user/mypapers.php?log=1>

THANK YOU FOR YOUR CONSIDERATION  
Hope you can join the Ionospheric Models session at COSPAR

## **Session C4.1: Improving the Description of Hemispheric Differences in Ionospheric Models**

Hemispheric differences have been observed for many ionospheric parameters including, the seasonal variation of electron and ion densities and temperatures. For example, the well-known Winter Anomaly exhibits a much stronger amplitude in the Northern hemisphere while the semiannual anomaly is stronger in the Southern hemisphere, and the Northern hemisphere counterpart to the Weddell Sea anomaly in the Southern Hemisphere is much

weaker. We invite presentations that investigate how well models describe the structure of these hemispheric differences with special emphasis on the IRI model, which is the ISO standard for the ionosphere. Because empirical models may have an inherent bias due to differences in data coverage, it is important to verify that models like IRI correctly represent hemispheric asymmetries well. Talks covering all aspects of the IRI modeling effort including model improvements, comparisons with new data, IRI extensions, and IRI applications are encouraged. Presentations that investigate the causes of hemispheric asymmetries are particularly welcome.

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**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

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**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).