

## **Annual Report Division B: Facilities, Technologies and Data Science (April 2022)**

After the past election, the Division B Steering Committee is composed as follow:

[Gabriele Giovannini \(President\)](#)

[Ana I. Gomez de Castro \(Vice-President\)](#)

[Paul S. Barklem \(Commission B5 President\)](#)

[Christian M. Boily \(Commission B1 President\)](#)

[Michael G. Burton \(Advisor - Past President\)](#)

[Chenzhou CUI \(Commission B2 President\)](#)

[Carole A. Jackson \(Commission B4 President\)](#)

[Ashish Mahabal \(Commission B3 President\)](#)

[J. Allyn Smith \(Commission B6 President\)](#)

[Constance Elaine Walker \(Commission B7 President\)](#)

[Elizabeth Marie George](#)

[Jan Mathijs van der Hulst](#)

[Yongtian ZHU](#)

The SC decided to include as Advisors the three people with the largest number of votes in the elections: A.C. Beasley, T. Henning, Y-S Kim in order to have a better representation of its membership because of the large number of Commissions.

### **Participating Commissions to Division B are:**

[Commission B1 Computational Astrophysics](#)

[Commission B2 Data and Documentation](#)

[Commission B3 Astroinformatics and Astrostatistics](#)

[Commission B4 Radio Astronomy](#)

[Commission B5 Laboratory Astrophysics](#)

[Commission B6 Astronomical Photometry and Polarimetry](#)

[Inter-Division B-C Commission Protection of Existing and Potential Observatory Sites](#)

[Inter-Division B-H-J Commission Intergalactic Medium](#)

The SC discussed and started a review of its WGs with the aim to remove inactive WGs and to add new WGs to increase the interaction between IAU Division B and various scientific activities. A few WGs became 'Functional' WGs.

Present WG situation is:

### **Division WGs:**

[Division B WG Time Domain Astronomy](#)

[Division B WG UV Astronomy](#)

[Division B WG Virtual Observatory](#)    Functional

### Inter-Division WGs:

[Coordination of Synoptic Observations of the Sun](#) (B-E) Functional

### Commission WGs:

[Designations & Nomenclature](#) Commission B2 Functional

[FITS](#) Commission B2 Functional

[Preservation and Digitization of Photographic Plates](#)

Commission B2 Functional

[Global VLBI Alliance](#) Commission B4

[Spectroscopic and Radiative Data for Molecules](#) Commission B5

[Site Protection](#) Commission B7

### Inter-Commission WGs:

[Historical Radio Astronomy \(Inter-Union IAU-URSI\)](#)

Commission B4-C3 Functional

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During the first half of 2022 the main job of Division B SC was to organize the Division B days at the IAU GA in August 2022. WGs were invited to organize scientific sessions on their activity. A program was presented and invited people are expected to register and to submit their abstract before the end of March.

Six sessions were organized in parallel mode: **New Facilities and Growing Archives; History of Radio astronomy in Eastern Asia; Laboratory Astrophysics; The Global VLBI Alliance; Laboratory Astrophysics Databases: from the provider to the user: encouraging FAIRness; UV photometry planning for the future.**

Other SC activities are:

- Supporting Letters to IAU Symposia proposals
  - Selection of best IAU Symposia proposals
  - Advice on the selection of the IAU PhD prize
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About scientific activity, see reports from Commissions and WGs. Reports will appear in dedicated pages

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