

Report of the IAU Commission B1 f or the period since XXX GA IAU (August 2018) till April 2020

Since XXX GA IAU (August 2018) our main efforts have been aimed at the Commission build-up. For that purpose, we have advertised our activities at various workshops and explained how to become a commission member in order to encourage interested people to join the commission. In September, 2019, we have organized a capacity building workshop “Challenges and Innovations in Computational Astrophysics” (St.Petersburg, Russia, <http://agora.guru.ru/display.php?conf=comp-astrophys-2019>). The conference has been attended by 102 researchers from 14 countries, including Austria, Canada, China, France, Germany, India, Japan, Netherlands, Poland, Russia, South Africa, Sweden, Taiwan, and USA. Also, we provided informational supports to other workshops related to our activity. These efforts led to a significant growth (from 248 to 300) of the Commission membership and to establishing tighter connections between the CB1 members.

The Commission B1 web site has been opened in September 2018. Its content includes a list of relevant meetings, back numbers of the newsletter, a list of commonly used public astrophysical simulation codes, and FAQs.

We have initiated publishing the Commission newsletter, which is used to inform the computational astrophysics community about important news, forthcoming conferences and other events, and also to disseminate abstracts of works related to computational astrophysics. So far, five issues of the newsletter have been published.

The commission was successful in securing support for a symposium proposal, which has resulted in the approved IAU Symposium 362 (<http://iaus362.astro.unistra.fr/IAUS362.html>). The symposium was due to be held in Chamonix, France, in June 2020. The Symposium was widely advertised at the national and international level through newsletters (e.g., national astronomy societies, ESO), social media (Astronomy-devoted Facebook groups and Twitter) to boost regular postings at websites with high visibility. The aim was to attract half or more of the commission membership to gather momentum in this field of research. The list of registered participants had peaked at 160 before the COVID-19 situation has forced us to stop all the fore-going activities and instead to shift the Symposium dates to 2021. We do hope the same venue and SOC/LOC configuration will help to restart the process successfully.