



IAU Commission B1  
Computational Astrophysics



★ ★ News Letter No.0 ★ ★

Nov. 08, 2018

Dear colleagues,

We are happy to greet you on behalf of the IAU Commission B1 "Computational Astrophysics". We shall do our best to promote the field of computational astrophysics and to strengthen its ties with other branches of astrophysics and astronomy in general. All the formal information regarding Commission B1 members and the Organizing Committee can be found on the Commission web-page at [https://www.iau.org/science/scientific\\_bodies/commissions/B1/](https://www.iau.org/science/scientific_bodies/commissions/B1/). Also, we are now at the process of preparing a dedicated Commission B1 web-page, and your suggestions on the web-page content are also most welcome. Its address is [http://www.icehap.chiba-u.jp/IAU\\_B1/](http://www.icehap.chiba-u.jp/IAU_B1/). As a part of the commission agenda, we intend to establish a newsletter to relay important news pertaining to computational astrophysics, like conference announcements, job opportunities, etc. Also, the newsletter will be used to distribute abstracts of accepted papers and defended theses related to computational astrophysics. A template for the abstracts is provided on the Commission web-page:

[http://www.icehap.chiba-u.jp/IAU\\_B1/newsletter.html](http://www.icehap.chiba-u.jp/IAU_B1/newsletter.html)

If you are NOT a member of Commission B1 and wish to receive this newsletter, please write us ([iau.commission.b1+subscribe@gmail.com](mailto:iau.commission.b1+subscribe@gmail.com)). Students and postdocs are welcome.

If you are an IAU member and wish to join Commission B1, please let us ([iau.commission.b1+join@gmail.com](mailto:iau.commission.b1+join@gmail.com)) know your name, affiliation, and research topics.

In this Issue#0, we would like to inform you about a suggestion to hold a conference on Computational Astrophysics in Sep 2019 in Saint-Petersburg (Russia). Also, we are now preparing a proposal for the IAU Symposium to be held in June 2020 in Paris, France. A preliminary title for the symposium is "Prediction power of computational astrophysics as a discovery tool". Chairs of the SOC are Dmitry Bisikalo, Tomoyuki Hanawa, Christian Boily, and James Stone. A chair of the LOC is Edouard Audit. Proposed topics for the symposium are the following:

planets and exoplanets;

strong gravity: accretion disks, jet, gravitational waves;

stellar evolution;

star formation;

large scale structure and galaxy formation;

new computational tools and data mining.

The full proposal is to be submitted by Nov 15, 2018. Your comments and suggestions on topics and invited speakers are welcome.

Please, contact us through the Commission Secretary Michiko FUJII ([iau.commission.b1@gmail.com](mailto:iau.commission.b1@gmail.com)) and/or the newsletter editor Dmitri WIEBE ([iau.commission.b1+newsletter@gmail.com](mailto:iau.commission.b1+newsletter@gmail.com)).

Yours sincerely,

Members of the IAU Commission B1 organizing committee