

Report of the C20 Commission on Computational Physics

XXX IUPAP International Conference on Computational Physics CCP2018

The XXX IUPAP International Conference on Computational Physics CCP2018 was held on the campus of the University of California, Davis from July 29 – August 2, 2018. The Conference Chair for CCP2018 was Prof. Barry Klein, and the full program is still available on the Conference website: <http://ccp2018.physics.ucdavis.edu/> . The purpose of this annual conference series is to bring together computational scientists working in diverse sub-fields of physics and closely related areas to exchange the latest developments in computational techniques and their applications. CCP2018 featured plenary and invited speakers who were diverse from the perspective of disciplinary sub-area, geography and gender. In addition, contributed talks as well as posters in a wide number of subject areas of active interest to the computational physics community were presented. A C20 Commission meeting also took place during CCP2018.

2018 Young Scientist Prize in Computational Physics

The 2018 Young Scientist Prize in Computational Physics was awarded at the CCP2018 Conference to Prof. Noa Marom of Carnegie-Mellon University. The citation read: *For advancing the prediction of the structure and properties of molecular crystals from first principles by developing algorithms for configuration space exploration, combined with many-body perturbation theory methods for electronic excitations.*

Future IUPAP International Conference on Computational Physics

The XXXI IUPAP International Conference on Computational Physics CCP2019 will be held in Hong Kong on the campus of the Chinese University of Hong Kong from July 28-August 1, 2019. (Note the change of dates and venue from my earlier report.) The Conference Chair will be Prof. Junyi Zhu of the Chinese University of Hong Kong will be Chair and Prof. Rui-Qin Zhang of the City University of Hong Kong will be co-Chair. At the C20 meeting at CCP2018 the proposal from the University of Coventry, UK was approved for the XXXII IUPAP International Conference on Computational Physics CCP2020.

Respectfully submitted,
David P. Landau
Chair, C20 Commission
September 27, 2018