Second Workshop on Educational Approaches for Integrating Bioinformatics into Computer and Life Science

In conjunction with the International Conference on Computational Science 2013 (ICCS 2013)
5 – 7 June 2013
Barcelona, Spain

Call for Papers

Bioinformatics is a young discipline that integrates mathematical and computational techniques with biological knowledge to analyze genetic information. Bioinformatics techniques are playing an increasingly important role in the biosciences. Using these techniques, analysis of the vast amounts of data produced by DNA sequencing and mapping projects such as the Human Genome Project is uncovering hitherto unknown relationships between genes and diseases, having a profound impact on drug development and clinical trials, and is affecting medical diagnostics, pharmacogenomics and agricultural and industrial biotechnology. Despite its increasing importance, however, there is a general lack of integration of bioinformatics concepts into undergraduate curricula in the life sciences and related disciplines where they could be readily applied. Further, although molecular biology is a rich problem domain for computer scientists, most computer science students are not introduced to its potential.

This workshop provides a venue for educators and researchers from the life and computer sciences to explore the integration of bioinformatics into the life sciences as well as strategies for presenting bioinformatics as an interesting problem domain for computer scientists. Also of interest are innovative ways of introducing bioinformatics as a scientific discipline and career path to pre-college students and teachers. An expanded list of topics can be found on the workshops page of the ICCS 2013 website (*http://www.iccs-meeting.org/iccs2013/workshop-list.php*) and at the workshop website (*http://ccli.ist.unomaha.edu/iccs2013*). Submissions pertaining to all levels of instruction, from course modules to entire curricula, and at all levels of interest are welcome.

Papers (Postscript/source) must be submitted through the conference's paper submission system (*http://www.iccs-meeting.org/iccs2013/papers*) camera-ready and formatted according to the rules of *Procedia Computer Science* (*http://www.iccs-meeting.org/iccs2013/cfp.html*). Papers may not exceed ten pages in length when typeset using the *Procedia* format. Submissions will be peer-reviewed by at least three members of the workshop's Program Committee; final decisions will be made by the workshop co-chairs. Submission implies the willingness of at least one of the authors to register and present the paper. ICCS is an ERA 2010 A-ranked conference series.

Important Dates

Full paper submission: 15 January 2013 (note that this is different than the main track deadline)
Notification of acceptances: 10 February 2013
Early registration begins: 10 February 2013
Camera-ready papers: 1 March 2013

Please feel free to contact the workshop co-chairs with any questions:

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