

MESSAGE FROM THE WORKSHOP CHAIR

Welcome to EduPar 2012, the Second NSF/TCPP Workshop on Parallel and Distributed Computing Education! After excellent participation last year in Alaska, EduPar workshop has been formally inculcated as a regular workshop of IPDPS-12. Parallel and Distributed Computing (PDC) now permeates most computing activities. The pervasiveness of computing devices containing multicore CPUs and GPUs, including PCs, laptops and tablets, is making even common users dependent on parallel processing. Certainly, it is no longer sufficient for even basic programmers to acquire only the traditional sequential programming skills. The preceding trends point to the need for imparting a broad-based skill set in PDC technology at various levels in the educational fabric woven by Computer Science (CS) and Computer Engineering (CE) programs as well as related computational disciplines. However, the rapid changes in computing hardware platforms and devices, languages, supporting programming environments, and research advances, more than ever challenge educators in knowing what to include in the curriculum and what to teach in any given semester or course.

The 2nd workshop invited contributions on topics pertaining to the teaching of PDC topics in the Computer Science and Engineering (and related) curriculum. The emphasis of the second workshop continues to be on the undergraduate education. This effort is in coordination with the NSF/IEEE-TCPP Curriculum Initiative on Parallel and Distributed Computing (<http://www.cs.gsu.edu/~tcpp/curriculum/index.php>). The topics of interest included (i) Pedagogical issues in PDC, (ii) Novel ways of teaching PDC topics, (iii) Models for incorporating PDC topics in core CS/CE curriculum, and (iv) Experience with incorporating PDC topics into core CS/CE courses

We received 34 submissions from 13 countries representing all six inhabited continents. All manuscripts were reviewed by our excellent program committee resulting in at least three reviews for each submission and four for most. My sincere thanks go to the program committee members for their hard work! The program committee met via teleconference and selected five regular papers and eight short papers. In addition, we will also have about 25 posters during the highly popular poster session in the afternoon - bulk of these will be the experience reports and evaluations presented by the early adopters of the NSF/TCPP PDC curriculum. Thanks also to Prof. Hai Jin (HUST, China) for his keynote.

Travel for all the US early adopters are supported by United States National Science Foundation (NSF). We thank NSF for their continued support for the NSF/TCPP PDC curriculum initiative, the early adopter competitions (stipend, travel), and the EduPar workshop series. We also thank Intel for their support for the initiative, particularly for the international early adopter institutions, and nVIDIA for contributing GPU cards to all the 50+ early adopters from Spring'11, Fall'11 and Spring'12 rounds.

Visit the EduPar-12 website at <http://cs.gsu.edu/~tcpp/curriculum/?q=edupar> where you will also find the updated technical program and the complete online proceedings. These include slides for the keynote session, papers and presentation slides of the regular and short papers, and all the posters.

Enjoy the various sessions as well as the main IPDPS conference - welcome to Shanghai!

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WORKSHOP ORGANIZATION

Workshop Chair:

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Program Committee:

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