

Preface

This two-volume book contains the Proceedings of XVIIIth Concurrency, Specification and Programming (CS&P) Workshop. It is taking place from 28th to 30th September 2009 in Kraków-Przegorzały, some 6 km to the west of the centre of Kraków, the famous old city in southern Poland. The Proceedings altogether contain 61 contributions. In accordance with the Call For Papers, they encompass topics roughly divided into two groups:

1. Mathematical models of concurrency, Specification languages, Theory of programming, Parallel algorithms, Model checking and testing (GROUP I).
2. Multi-agent systems, Rough sets, Object-oriented approaches, Knowledge management, Knowledge discovery and data mining, Soft computing, Applications (GROUP II).

Each group is represented by a stream of sessions dedicated to it and progressing with the other in parallel. However, the division into two volumes does not reflect the two subject groups but merely results from the considerable number of contributions. Following the initiative of the Editor-in-Chief of *Fundamenta Informaticae*, since the Berlin's meeting in 1998, papers obtaining highest evaluation have appeared in special issues of the periodical. It will also concern those collected in the present volumes - following their further editorial and evaluation treatment.

The Workshop was initiated in the mid 1970s by computer scientists and mathematicians from Warsaw and Humboldt Universities, as Polish-German annual meetings. They were suspended for some years in the 1980s and reactivated in 1992. Thereafter, the Workshop, organized alternately by the Institutes of Informatics of Warsaw and Humboldt Universities on the basis of an exchange program, has been given the name CS&P.

It should be mentioned that the CS&P meetings, initially purely bilateral, since 1992 have developed into events attended by participants from a number of different countries beside Poland and Germany. The present CS&P'2009 meeting will be hosting participants from the following countries: Bulgaria, Canada, Egypt, France, Germany, Italy, The Netherlands, Poland, Russia, Slovakia, Sweden, Ukraine, United Kingdom, USA.

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Ludwik Czaja

Organizing and Program Committee:

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