

Preface

Dear Readers,

We introduce you to a series of carefully selected and reviewed, by independent scientists, papers presented during the 19th Advanced Computer Systems conference—the most significant event for our Faculty of Computer Science and Information Technology. As the Dean I have had the exceptional pleasure to open the ACS conference and as an editor of this book I have had the opportunity to observe the activity and accuracy of young scientists as well as those experienced. All of them struggled for the right to be published in this particular book.

It was the nineteenth edition of the ACS conference, the oldest event in history of our slightly young faculty. The Advanced Computer Systems conference from the beginning of its existence was concentrated on methods and algorithms of artificial intelligence. Further into the future brought new areas of interest concerning technical informatics related to soft computing and some more technological aspects of computer science such as multimedia and computer graphics, software engineering, Web systems, information security, and safety or project management.

The ACS conference has a strong international nature now as well as when Poland was not a member of the European Union. Through years of activity we created strong and satisfying friendships with scientists whose academic achievements made them mentor figures for young scientific talents. I would like to mention, some of the most significant for us, professors who attended the ACS conference from the beginning. They are: Profs. Gisella Facchinetti from Italy, Elisabeth Rakus-Andersson from Sweden, Larysa Globa from Ukraine, Akira Imada from Belarus, Shin-Ya Kobayashi from Japan, Alexandr Dorogov from Russia, Roger French from USA, Olli-Pekka Hilmola from Finland, Kurosh Madani from France, Prof. Alexander Schill from Germany, and Ivan Lopez Arevalo from Mexico. There are obviously more excellent names from the world of science but it is not possible to mention all of them in this Preface.

One of the newest ideas treated, like some kind of social experiment, was the session with the Russian language. This was an idea that helped us to open our conference to Eastern Europe and send an explicit signal that we are ready and open

for cooperation in the area of science despite existing international conflicts. We found that experiment very successful because we had the pleasure to receive a few guests from Russia, Ukraine, and Belarus. Most of them declared their presentation also in English but we decided that they should participate in the Russian language session.

This year's event abounded with interesting discussion inspired and provoked by our exquisite guests. Those dynamic scientific debates, very often continued in the lobby, caused the necessity of additional selection of papers finally published in this book.

I am strongly convinced that the intellectual skirmish during the Advanced Computer Systems conference significantly improved the scientific level of presented papers, right after withdrawing some less successful and addition of the better ones.

So I congratulate the conference organizers for its excellent spirit and high scientific level and I hope that the readers will find in this book very interesting source of knowledge and maybe even some motivation for further research.

Szczecin, Poland

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