

# **Protocol Specification, Testing and Verification XV**

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IFIP was founded in 1960 under the auspices of UNESCO, following the First World Computer Congress held in Paris the previous year. An umbrella organization for societies working in information processing, IFIP's aim is two-fold: to support information processing within its member countries and to encourage technology transfer to developing nations. As its mission statement clearly states,

IFIP's mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of information technology for the benefit of all people.

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- the IFIP World Computer Congress, held every second year;
- open conferences;
- working conferences.

The flagship event is the IFIP World Computer Congress, at which both invited and contributed papers are presented. Contributed papers are rigorously refereed and the rejection rate is high.

As with the Congress, participation in the open conferences is open to all and papers may be invited or submitted. Again, submitted papers are stringently refereed.

The working conferences are structured differently. They are usually run by a working group and attendance is small and by invitation only. Their purpose is to create an atmosphere conducive to innovation and development. Refereeing is less rigorous and papers are subjected to extensive group discussion.

Publications arising from IFIP events vary. The papers presented at the IFIP World Computer Congress and at open conferences are published as conference proceedings, while the results of the working conferences are often published as collections of selected and edited papers.

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# Protocol Specification, Testing and Verification XV

**Proceedings of the Fifteenth IFIP WG6.1  
International Symposium on Protocol  
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Warsaw, Poland, June 1995**

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## PREFACE

This PSTV'95 Symposium is the fifteenth of a series of annual meetings organized under the auspices of IFIP WG 6.1. PSTV symposia have always served as a premier forum for researchers and practitioners in industry and academia interested in theory and application of formal methods in specifying, testing and verifying communication protocols and distributed systems.

This year, for the first time, the PSTV Symposium was held in Central Europe. It was expected that the choice of Warsaw, should create an opportunity for extending the international co-operation, in this very important domain of protocol engineering, to central and eastern part of the continent. Also, it should offer a forum for presentation and promotion of research being done in this part of Europe. The program of the Symposium confirmed these expectations, but it would have been difficult without a generous financial support of the European Commission that enabled a number of persons from Central and Eastern Europe to participate in the meeting. The organizers would like to gratefully acknowledge this support as well as a support from Siemens AG.

In addition to very interesting tutorials and invited talks, this year's program included 25 papers selected out of 75 submissions and organized into 9 sessions. They offered a nicely balanced overview of the today approaches to the theory, methods and tools in protocol engineering that faces new challenges of high-speed technologies, group communication, and multimedia applications. Ongoing presentations of posters and demonstrations of tools supporting protocol design and verification completed this program.

Many people contributed to the organization of this meeting. We thank the members of the Program Committee for their continuous advice and help in reviewing and selecting papers. In particular, we wish to thank Stan Budkowski, Wojciech Cellary, Józef Lubacz, and Jan de Meer for their participation in the PC meeting in April and their contribution in preparing the program. The final effect would not be possible without work of the Reviewers. We extend sincere thanks to all of them. Finally, we owe our gratitude to Ewa Gąsiorowska and all persons who helped her in the administrative work while preparing and organizing the Symposium.

June 1995

Piotr Dembiński and Marek Średniawa



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