PREFACE

The International Congress on Algebraic Hyperstructures and Applications (AHA) is a meeting of mathematicians working on hyperstructures and in resent years on fuzzy hyperstructures which is held once in three years, so it has a very long and fruitful tradition. Let us recall some of the previous AHA congresses: Italy (Taormina 1978, 1983 and 1999, Udine 1985), Greece (Xanti 1990 and Samothraki 2002), Romania (Iasi 1993), and Iran (Mazandaran 2005).

The Annual 10th International Congress was held at Brno, Czech Republic, from 3rd to 9th of September 2008. More than 60 mathematicians from 10 countries took part in this scientific gathering and had a chance to create a "hypergroup" of friends.

The main topics of the congress were: Hypergroupoids, semi-hypergroups, hypergroups, hyperrings, hyperfields, hypermodules, non-associative and feebly associative hypergroups, join spaces, hyperstructures associated to geometric spaces, ordered hyperstructures, fuzzy algebraic hyperstructures, (Fuzzy) BCK-algebras, hypergraphs, generalizations and applications.

The Scientific Committee of AHA 2008 consisting of eight members (P. Corsini (Italy)---Chair, Šárka Hošková (Czech Republic)---Director, R. Ameri (Iran), J. Chvalina (Czech Republic), B. Davvaz (Iran), J. Jantosciak (USA), V. Leoreanu–Fotea (Romania), I. Rosenberg (Canada), and T. Vougiouklis (Greece)) has received more than 35 abstract of papers.

During the congress, 7 plenary lectures were given and 30 research papers were presented. The Scientific Committee put a considerable effort on referee process, all conference presentations that were submitted for publication were referred by two referees and only 19 that met the editor's requirements were published in AHA 2008 Proceedings.

Seven qualified research papers dealing with fuzzy hyperstructures were chosen for publishing in a special issue of IJFS.

The research papers were selected after a refereeing procedure and therefore thanks are due to the referees.

Editing and preparing this special volume of IJFS could not be done without the sincere help of Professor R. A. Borzooei. His kind cooperation is greatly appreciated.

I would like to express my thanks to Professor M. Mashinchi and to the whole editorial board making the appearance of this special issue of IJFS possible.

Šárka Hošková
Guest editor