## Contents

Preface vii  
Conference program ix  
List of participants xiii  
Unified products and split extensions of Hopf algebras A. L. Agore and G. Militaru 1  
Hopf monoids in the category of species Marcelo Aguiar and Swapneel Mahajan 17  
Classifying Hopf algebras of a given dimension Margaret Beattie and Gastón Andrés García 125  
On the double crossed product of weak Hopf algebras Gabriella Böhm and José Gómez-Torrecillas 153  
The doubles of a braided Hopf algebra Alain Bruguières and Alexis Virelizier 175  
Induced conjugacy classes and induced $\mathcal{U}_e(G)$-modules Giovanna Carnovale 199  
Recovering information from character tables of Hopf algebras: normality, dimensions and quotients Miriam Cohen and Sara Westreich 213  
Hom-quasi-bialgebras Mohamed Elhamdadi and Abdenacer Makhlouf 227  
On twisted conjugacy classes of type D in sporadic simple groups F. Fantino and L. Vendramín 247  
Partial and unified crossed products are weak crossed products J. M. Fdez Vilaboa, R. González Rodríguez, and A. B. Rodríguez Raposo 261  
The Green rings of the generalized Taft Hopf algebras Libin Li and Yinhuo Zhang 275  
Morita equivalence methods in classification of fusion categories Dmitri Nikshych 289