

## Preface

The eleventh of the series of international conferences on Constructive Theory of Functions held in Bulgaria took place in Sozopol during the period June 9–14, 2013. Sixty nine participants from twenty three countries attended this meeting. The conference was dedicated to the 80-th anniversary of Academician Blagovest Sendov, the founder of the Bulgarian School in Approximation Theory, and to the memory of his first PhD student and outstanding Bulgarian mathematician, Vasil Popov.

This volume contains sixteen articles written by participants in the conference. Some of them deal with topics from classical approximation theory, including direct and converse theorems characterizing various approximation processes, interpolation bases, extreme points of polynomial sets, polynomial inequalities of Markov-Duffin-Schaeffer type with majorants, properties of mappings generated by isotonic linear functionals, etc. Other articles are devoted to modern developments, such as approximation by band-limited scaling and wavelet expansions, fast evaluation and reconstruction of spherical polynomials of high degree, electrostatics problems on the sphere, radial basis functions, matching of point configuration, interpolation and cubature formulae for harmonic functions using Radon projections, etc.

We thank all the authors who contributed to this volume, and to Boyan Popov for providing the photo with the participants in CTF-2013 (apologies to those participants who are not seen there).

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