Special Volume on Difference Equations and Special Functions

This special volume of ETNA contains thirteen selected papers from two workshops held at Bexbach, Germany, in October 2002, and at Novacella, Italy, in May 2003. These workshops are part of a series of of European Advanced Studies Conferences organized by Andreas Ruffing (Munich University of Technology) and his collaborators.

These workshops, which were attended by more than eighty scientists from twenty three countries, focused on difference equations and their interactions with orthogonal polynomials and hypergeometric functions (with special emphasis on operator equations and factorization, and Fourier expansions), difference and differential equations and their interactions with chaos and dynamical systems as well as their applications in Mathematical Physics (q-harmonic oscillators, discrete and continuous Schrödinger operators, Emden–Fowler dynamic equations) and Numerical Analysis (difference schemes for quasi-linear evolution problems). The broad range of topics is reflected by the papers of this special volume.

Francisco Marcellán and Andreas Ruffing
Special Volume editors