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Nota di contenuto	Preface -- Lajos Takács: A Tribute (A.M. Haghighi, S.G. Mohanty) -- The Distribution of the Local Time of Brownian Motion with Drift (L. Takács) -- Reflections on Shreeram Abhyankar (K. Alladi) -- My Association and Collaboration with George Andrews (K. Alladi) -- A Refinement of the Alladi–Schur Theorem (G.E. Andrews) -- Explicit Formulas for Enumeration of Lattice Paths: Basketball and the Kernel Method (C. Banderier, C. Krattenthaler, A. Krinik, D. Kruchinin, V. Kruchinin, D. Nguyen, M. Wallner) -- The Kernel Method for Lattice Paths below a Line of Rational Slope (C. Banderier, M. Wallner) -- Enumeration of Colored Dyck Paths via Partial Bell Polynomials (D. Birmajer, J.B. Gil, P.R.W. McNamara, M.D. Weiner) -- A Review of the Basic Discrete q-Distributions (Ch.A. Charalambides) -- Families of

Parking Functions Counted by the Schröder and Baxter Numbers (R. Cori, E. Duchi, S. Rinaldi, V. Guerrini) -- Some Tilings, Colorings and Lattice Paths via Stern Polynomials (K. Dilcher, L. Erickson) -- p-Rook Numbers and Cycle Counting in $C_p|S_n$ (J. Haglund, J. Remmel, M. Yoo) -- Asymptotic Behaviour of Certain q-Poisson, q-Binomial and Negative q-Binomial Distributions (A. Kyriakoussis, M. Vamvakari) -- Asymptotic Estimates for Queueing Systems with Time-Varying Periodic Transition Rates (B. Margolius) -- A Combinatorial Analysis of the M/M[m]/1 Queue (G. Mercanokosk, G.M. Nair) -- Laws Relating Runs, Long Runs, and Steps in Gambler's Ruin, with Persistence in Two Strata (G.J. Morrow) -- Paired Patterns in Lattice Paths (R. Pan, J.B. Remmel).

Sommario/riassunto

Recent methods used in lattice path combinatorics and various related branches of enumerative combinatorics are grouped together and presented in this volume, together with relevant applications. Contributions are mainly comprised of research articles though an attractive bonus is the inclusion of several captivating, expository articles on the life and mathematical work of leading researchers in lattice path combinatorics and beyond. "The 8th International Conference on Lattice Path Combinatorics and Applications" held in the summer of 2015, provided opportunities for new collaborations and this volume also presents some stimulating ideas from newcomers to the conference series. This book will be of interest to researchers in lattice path combinatorics and enumerative combinatorics including subsets of researchers in mathematics, statistics, operations research, and computer science. The applications of the material covered in this Work extend beyond the primary audience to scholars interested in queueing theory, graph theory, rook theory, tilings, partitions, distributions, Markov processes, and more.
