Foreword

The International Conference on Optimization and Optimal Control (ICOOC) was held on June 1–4, 2001 at the National Cheng Kong University in Taiwan. The objective of the conference was to provide a forum for researchers to report their latest works and exchange new ideas. Over 80 researchers from 13 countries attended the conference. Sixteen key speeches were delivered by internationally distinguished scholars and a total of 66 papers were presented.

With a rigorous peer review process, we have selected the following twelve papers to be included in this special issue: (1) "Equilibrium problems under generalized convexity and generalized monotonicity" by M. Bianchi and S. Schaible; (2) "Generalized vector equilibrium problems with trifunctions" by Y. Chiang, O. Chadli, and J.-C. Yao (3) "Generalized vector variational inequalities over countable product of sets" by E. Allevi, A. Gundi, and I. Konnov; (4) "A smoothing Newton method for semi-infinite programming" by D.-H. Li, L. Qi, J. Tam, and S.-Y. Wu; (5) "An approximation approach to non-strictly convex quadratic semi-infinite programming" by S. Ito and Y. Liu; (6) "Duality theorems and algorithms for linear programming in measure spaces" by C.-F. Wen and S.-Y. Wu; (7) "On generalized linearity of quadratic fractional functions" by R. Cambini and L. Carosi; (8) Smooth convex approximation to the maximum eigenvalue function" by X. Chen, H. Qi, L. Qi, and K.-L. Teo; (9) "Second-order optimality conditions for optimization problems" by X.-Q. Yang; (10) "Convergence properties of Dikin's affine scaling algorithm for nonconvex quadratic minimization" by P. Tseng; (11) "On the convergence of a population-based global optimization algorithmm" by S. I. Birbil, S.-C. Fang, and R.-L. Sheu, and (12) "A geometric representation of the Morse fan" by J. Grzybowski, D. Pallaschke, and R. Urbanski.

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