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Sommario/riassunto	This book constitutes the refereed proceedings of the 12th International Symposium on Applied Reconfigurable Computing, ARC 2016, held in Rio de Janeiro, Brazil, in March 2016. The 20 full papers presented in this volume were carefully reviewed and selected from 47 submissions. They are organized in topical headings named: video and image processing; fault-tolerant systems; tools and architectures; signal processing; and multicore systems. In addition, the book

contains 3 invited papers and 8 poster papers on funded RD running and completed projects.
