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Sommario/riassunto	This volume contains the revised lecture notes corresponding to nine of the lecture courses presented at the 5th International School on Advanced Functional Programming, AFP 2004, held in Tartu, Estonia, August 14-21, 2004. The goal of the AFP schools is to inform the wide international communities of computer science students and software production professionals about the new and important developments in the area of functional programming. The schools put a special emphasis on

practical applications of advanced techniques. The Tartu school was preceded by four earlier schools in Borås, Sweden (1995, LNCS 925), Olympia, WA, USA (1996, LNCS 1129), Braga, Portugal (1998, LNCS 1608) and Oxford, UK (2002, LNCS 2638). The scientific programme of AFP 2004 consisted of five preparatory ("intermediate") courses, given by John Hughes (Chalmers University of Technology, Göteborg, Sweden), Doaitse Swierstra (Universiteit Utrecht, The Netherlands) and Rinus Plasmeijer (Radboud Universiteit Nijmegen, The Netherlands), and nine regular ("advanced") courses, presented by Atze Dijkstra (Universiteit Utrecht, The Netherlands), Doaitse Swierstra, John Hughes, Conor McBride (University of Nottingham, UK), Alberto Pardo (Universidade de la Republica, Montevideo, Uruguay), Rinus Plasmeijer, Bernard Pope (University of Melbourne, Australia), Peter Thiemann (Universität at Freiburg, Germany), and Simon Thompson (University of Kent, UK). There was also a student session. The school attracted a record number of 68 participants from 16 countries (inclusive of the lecturers and organizers).
