

Recent Trends in Algebraic Development Techniques

16th International Workshop, WADT 2002, Frauenchiemsee, Germany, September 24-27, 2002, Revised Selected Papers

This volume contains selected papers from WADT 2002, the 16th International Workshop on Algebraic Development Techniques. Like its predecessors, WADT 2002 focussed on the algebraic approach to the specification and development of systems, an area that was born around the algebraic specification of abstract data types and encompasses today the formal design of software systems, new specification frameworks and a wide range of application areas. WADT 2002 took place at the convent of Frauenchiemsee, Germany, on September 24–27, 2002, and was organized by Rolf Hennicker, Dirk Pattinson and Martin Wirsing. The workshop also included a special track on Formalism, Logic, Institution – Relating, Translating and Structuring (FLIRTS), and three satellite events: a meeting of the FIP Working Group 1.3 on Foundations of System Specification, a Workshop on Global Computing organized by the AGILE project, and a Workshop on Multimedia Instruction in Safe and Secure Systems (MMISS). The program consisted of invited talks by Egidio Astesiano (Genoa, Italy), Andrew Gordon (Cambridge, UK), and Jan Rutten (Amsterdam, The Netherlands), and 44 presentations describing ongoing research on main topics of the workshop: formal methods for system development, specification languages and methods, systems and techniques for reasoning about specifications, specification development systems, methods and techniques for concurrent, distributed and mobile systems, and algebraic and co-algebraic foundations.

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