About the Author of the Foreword

Andrew D. Gordon was a Royal Society University research fellow at the University of Cambridge Computer Laboratory, before joining Microsoft in 1997. He holds degrees in computer science from the University of Edinburgh and the University of Cambridge. As a postdoc, he was a member of the Programming Methodology Group at Chalmers University in Gothenburg. Gordon’s research interests are in the general area of computer programming languages. He's published and lectured on operational semantics, type theory, concurrency theory, automated reasoning, program logics, and functional and object-oriented programming. He is the co-inventor of two popular process calculi: the spi calculus (with M. Abadi) and the ambient calculus (with L. Cardelli). His recent work focuses on applying type theory and other formal techniques to problems of computer security. One project is an analysis (with D. Syme) of the type system underlying the bytecode verifier of the Microsoft .NET Common Language Runtime. Another is Cryptyc (with A. Jeffrey), a type-checker for cryptographic protocols. The Samoa Project (with K. Bhargavan and C. Fournet) is developing formal tools for the security of XML Web Services. Gordon regularly serves on conference programme committees, teaches at graduate summer schools, examines doctoral dissertations, and delivers invited lectures at scientific meetings.