

# Progress in Computer Science and Applied Logic

## Editor

Professor John C. Cherniavsky  
Department of Computer Science  
Georgetown University  
Washington, DC 20057

## Associate Editors

Professor Robert Constable  
Department of Computer Science  
Cornell University  
Ithaca, NY 14853

Professor Richard Platek  
Department of Mathematics  
Cornell University  
Ithaca, NY 14853

Professor Jean Gallier  
Department of Computer and  
Information Science  
University of Pennsylvania  
Philadelphia, PA 19104

Professor Richard Statman  
Department of Mathematics  
Carnegie-Mellon University  
Pittsburgh, PA 15213

*Progress in Computer Science and Applied Logic* is a series that focuses on scientific work of interest to both logicians and computer scientists. Thus both applications of mathematical logic will be topics of interest. An additional area of interest is the foundations of computer science.

The series (previously known as *Progress in Computer Science*) publishes research monographs, graduate texts, polished lectures from seminars and lecture series, and proceedings of focused conferences in the above fields of interest. We encourage preparation of manuscripts in such forms as LaTeX or AMS TeX for delivery in camera-ready copy, which leads to rapid publication, or in electronic form for interfacing with laser printers or typesetters.

Proposals should be sent directly to the editors or to:  
Birkhäuser Boston, 675 Massachusetts Ave., Suite 601, Cambridge, MA 02139

## **Progress in Computer Science and Applied Logic**

- PCS 1 Mathematics for the Analysis of Algorithms, 3rd Edition  
*Daniel H. Greene & Donald E. Knuth*
- PCS 2 Applied Probability—Computer Science: The Interface, Volume I  
*Edited by Ralph L. Disney & Teunis J. Ott*
- PCS 3 Applied Probability—Computer Science: The Interface, Volume II  
*Edited by Ralph L. Disney & Teunis J. Ott*
- PCS 4 Notes on Introductory Combinatorics  
*George Pólya, Robert E. Tarjan, & Donald R. Woods*
- PCS 5 The Evolution of Programs  
*Nachum Dershowitz*
- PCS 6 Lecture Notes on Bucket Algorithms  
*Luc Devroye*
- PCS 7 Real-Time Control of Walking  
*Marc D. Donner*
- PCS 8 Logic for Computer Scientists  
*Uwe Schöning*
- PCS 9 Feasible Mathematics  
*Edited by Samuel R. Buss & Philip J. Scott*
- PCS 10 Graph-Based Proof Procedures for Horn Clauses  
*Stan Raatz*