Invited paper: Elementary strong functional programming  p. 1
Introducing computer science undergraduates to principles of programming through a  functional language  p. 15
Teaching C after Miranda  p. 35
Requirements for an ideal first language  p. 51
A second year course on data structures based on functional programming  p. 65
Functional programming through the curriculum  p. 85
Understanding LOLITA: Experiences in teaching large scale functional programming  p. 103
Functional programming and mathematical objects  p. 121
Explaining algebraic theory with functional programs  p. 139
Inducing students to induct  p. 159
Conceptual structures for recursion  p. 179
From transistors to computer architecture: Teaching functional circuit  specification in Hydra  p. 195
Functional programming in a basic database course  p. 215
Using [pi]-RED as a teaching tool for functional programming and program execution  p. 231
Compiler construction using Scheme  p. 251
Basic proof skills of computer science students  p. 269
The dys-functional student  p. 289

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.