

Contents

Introduction <i>László Böszörményi</i>	1
Part I	
Niklaus Wirth – a Pioneer of Computer Science	
Niklaus Wirth – a Pioneer of Computer Science <i>Gustav Pomberger, Hanspeter Mössenböck, Peter Rechenberg</i>	5
Part II	
Niklaus Wirth and Edsger W. Dijkstra	
From Programming Language Design to Computer Construction <i>Niklaus Wirth</i>	21
On the transitive closure of a wellfounded relation <i>Edsger W. Dijkstra</i>	31
Part III	
The Teachings of a Scholar as Told by his Pupils – Common Work in Retrospect	
Oberon – The Overlooked Jewel <i>Michael Franz</i>	41
Compiler Construction – The Art of Niklaus Wirth <i>Hanspeter Mössenböck</i>	55
Medos in Retrospect <i>Svend Erik Knudsen</i>	69
Lean Systems in an Intrinsically Complex World <i>Peter Schulthess</i>	87
Learning the Value of Simplicity <i>Stephan W. Gehring</i>	95

Part IV**New Ways in Education and Research**

Compiler Construction versus Lotus Notes™: A Strange Battle 101
Jürg Gutknecht

Modules and Components – Rivals or Partners? 121
Clemens Szyperski

A Compiler for the Java HotSpot™ Virtual Machine 133
Robert Griesemer, Srdjan Mitrovic

Designing a Cluster Network 153
Hans Eberle

Programming With Functional Nets 173
Martin Odersky

Part V**Mastering Simplicity – in the Industry**

Lilith Meets the World of Business 203
Bernhard Wagner

The Chip Company that made \$100M with MODULA-2 219
Robert Burton, Farrell Ostler, Thom Boyer, Fon Brown, Matt Morrise

FFF97 – Oberon in the Real World 227
Dr. Josef Templ

Part VI**The World According to Wirth – Personal, Anecdotal Reviews**

Serendipity 245
Kathleen Jensen

Daily Life with N. Wirth 247
Jirka Hoppe

Third Millennium Culture 253
Ann Dünki

Authors and Editors 255