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Nota di contenuto	<ul> <li>Preface Part I: Programming without Systems Chapter 1. Validity</li> <li>&amp; Correctness before the OS: the case of LEO I and LEO II (Rabia Arif, Elisabetta Mori, Giuseppe Primiero) Chapter 2. What is an Operating System? A historical investigation (1954–1964) (Maarten Bullynck)</li> <li>Part II: Formalizing Systems Chapter 3. Formal Semantics of ALGOL 60: Four Descriptions in their Historical Context (Troy K. Astarte, Cliff B. Jones) Chapter 4. Sans-papiers as first-class citizens (Julian Rohrhuber) Part III: Creating Systems Chapter 5. Unix, Plan 9 and the Lurking Smalltalk (Stephen Kell) Chapter 6. Unix: Building a Development Environment from Scratch (Warren Toomey) Part IV: Evaluating Systems Chapter 7. Ethical Operating Systems (Naveen Sundar Govindarajulu, Selmer Bringsjord, Atriya Sen, Jean-Claude</li> </ul>

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	Paquin, Kevin O'Neill) Chapter 8. From Sovereign Operating Systems to the Sovereign Digital Chain (Gael Duval) Chapter 9. Elegance in Software (Robin K. Hill).
Sommario/riassunto	This book presents a systematic philosophical and historical analysis of operating systems (0S). The discussion starts with the evolution of OSs since before their birth. It continues with a comprehensive philosophical analysis grounded in technical aspects. Coverage looks at software and (where appropriate) hardware as well as their historical developments. The authors not only offer historical and philosophical reflections on operating systems. They also explore the programs they coordinate and trace the epsitemic and ontological consequences of their designs. Each chapter investigates one or more overlapping fragments of this fascinating history. These include: the birth of the UNIX system and the development of early systems and prototypes; a conceptual analysis of the plurality of systems; an investigation into business, ethical, and aesthetics aspects related to operating systems; and logical principles of formal languages. This book will interest researchers from a diversity of backgrounds. It will appeal to historians, philosophers, as well as logicians and computer scientists who want to engage with topics relevant to the history and philosophy of programming and more specifically that of operating systems.