

## From the web to the grid and beyond : computing paradigms driven by high-energy physics

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### Abstrak

This book is the first comprehensive account to trace the history of this pioneering spirit in the field of computing technologies. It covers everything up to and including the present-day handling of the huge demands imposed upon grid and distributed computing by full-scale LHC operations—operations which have for years involved many thousands of collaborating members worldwide and accordingly provide the original and natural testbed for grid computing concepts. This book takes the reader on a guided tour encompassing all relevant topics, including programming languages, software engineering, large databases, the web, and grid- and cloud computing. The important issue of intellectual property regulations for distributed software engineering and computing is also addressed.