

GUIDELINE.CH publishes a new technical reference book:

“FAST GUIDE to using the RIT Parallel Java Library”

By Jonathan Jude

This new technical book proposes that relying on increasing processor speeds and multi-threading at the operating system level is not enough to ensure true parallel processing performance. It questions the fitness for purpose of operating systems and JAVA interpreters in the quest for parallel processing performance increases. It thus provides an approach to parallel programming in JAVA using an API.



The book contains three principal sections. It firstly describes some Basic Concepts in Parallel Programming, such as Row-Order and Amdahl's Law. It then provides A Worked Case study in five chapters, based on the processing of a table of systems monitoring data, from conception of an algorithm to implementation as a simple and then a parallel Java program using the RIT-PJ Parallel Java Library. It further provides a section of Configuration Details for code installation, and for testing of the Java codes, based on the use of a generally available applications development platform.

92 Pages, including 24 Figures, Diagrams and Screen shots.

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Application Architecture and Application Behavior specialist, experienced in Parallel computing since late 1980's, initially writing and benchmarking Scientific Applications and Simulation codes for MPP systems. Since the mid-1990's specialized in Distributed Applications development in Heterogeneous networks and Optical Network Management. From 2000 Java & Web Applications specialist in Switzerland, being currently Dynamic Web Applications Infrastructure Manager for a major Pharmaceutical Company.

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