Intel Xeon Phi Processor High Performance Programming. Edition No. 2

Description:
This book is an all-in-one source of information for programming the Second-Generation Intel Xeon Phi product family also called Knights Landing. The authors provide detailed and timely Knights Landing-specific details, programming advice, and real-world examples. The authors distill their years of Xeon Phi programming experience coupled with insights from many expert customers - Intel Field Engineers, Application Engineers, and Technical Consulting Engineers - to create this authoritative book on the essentials of programming for Intel Xeon Phi products.

Intel® Xeon Phi Processor High-Performance Programming is useful even before you ever program a system with an Intel Xeon Phi processor. To help ensure that your applications run at maximum efficiency, the authors emphasize key techniques for programming any modern parallel computing system whether based on Intel Xeon processors, Intel Xeon Phi processors, or other high-performance microprocessors. Applying these techniques will generally increase your program performance on any system and prepare you better for Intel Xeon Phi processors.

- A practical guide to the essentials for programming Intel Xeon Phi processors
- Definitive coverage of the Knights Landing architecture
- Presents best practices for portable, high-performance computing and a familiar and proven threads and vectors programming model
- Includes real world code examples that highlight usages of the unique aspects of this new highly parallel and high-performance computational product
- Covers use of MCDRAM, AVX-512, Intel® Omni-Path fabric, many-cores (up to 72), and many threads (4 per core)
- Covers software developer tools, libraries and programming models
- Covers using Knights Landing as a processor and a coprocessor

Contents:
Introduction
High Performance examples
Vectorization
Tasking
KNL Architecture
In-package memory
System / OS software
Math library
MPI
Profiling, tuning, power
Future offloading
Summary

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3642528/
Order by Fax - using the form below
Order by Post - print the order form below and send to
Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

- **Product Name:** Intel Xeon Phi Processor High Performance Programming, Edition No. 2
- **Web Address:** http://www.researchandmarkets.com/reports/3642528/
- **Office Code:** SCPLHPR6

Product Format
Please select the product format and quantity you require:

- **Quantity**
  - Hard Copy (Paper back): ○ USD 49 + USD 28 Shipping/Handling

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in **BLOCK CAPITALS**

- **Title:** Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
- **First Name:** ___________________________ **Last Name:** ___________________________
- **Email Address:** * ___________________________
- **Job Title:** ___________________________
- **Organisation:** ___________________________
- **Address:** ___________________________
- **City:** ___________________________
- **Postal / Zip Code:** ___________________________
- **Country:** ___________________________
- **Phone Number:** ___________________________
- **Fax Number:** ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World