

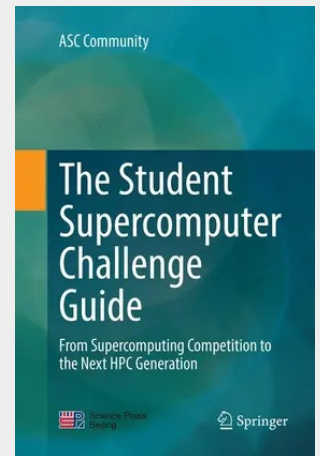
The Student Supercomputer Challenge Guide

From Supercomputing Competition to the Next HPC Generation

This guide provides a comprehensive overview of High Performance Computing (HPC) to equip students with a full skill set including cluster setup, network selection, and a background of supercomputing competitions. It covers the system, architecture, evaluating approaches, and other practical supercomputing techniques.

As the world's largest supercomputing hackathon, the ASC Student Supercomputer Challenge has attracted a growing number of new talent to supercomputing and has greatly promoted communications in the global HPC community. Enclosed in this book, readers will also find how to analyze and optimize supercomputing systems and applications in real science and engineering cases.

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60,98 €

56,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9789811338311

Medium: Buch

ISBN: 978-981-13-3831-1

Verlag: Springer Nature Singapore

Erscheinungstermin: 28.12.2018

Sprache(n): Englisch

Auflage: Softcover Nachdruck of the original 1. Auflage 2018

Produktform: Kartoniert

Gewicht: 394 g

Seiten: 230

Format (B x H): 155 x 235 mm

