

## **Applied Algorithms and Data Structures Series**

### **AIMS AND SCOPE:**

---

The design and analysis of algorithms and data structures form the foundation of computer science. As current algorithms and data structures are improved and new methods are introduced, it becomes increasingly important to present the latest research and applications to professionals in the field.

This series aims to capture new developments and applications in the design and analysis of algorithms and data structures through the publication of a broad range of textbooks, reference works, and handbooks. We are looking for single authored works and edited compilations that will:

- Appeal to students and professionals by providing introductory as well as advanced material on mathematical, statistical, and computational methods and techniques
- Present researchers with the latest theories and experimentation
- Supply information to interdisciplinary researchers and practitioners who use algorithms and data structures but may not have advanced computer science backgrounds

The inclusion of concrete examples and applications is highly encouraged. The scope of the series includes, but is not limited to, titles in the areas of parallel algorithms, approximation algorithms, randomized algorithms, graph algorithms, search algorithms, machine learning algorithms, medical algorithms, data structures, graph structures, tree data structures, and more. We are willing to consider other relevant topics that might be proposed by potential contributors.

### **Series Editor**

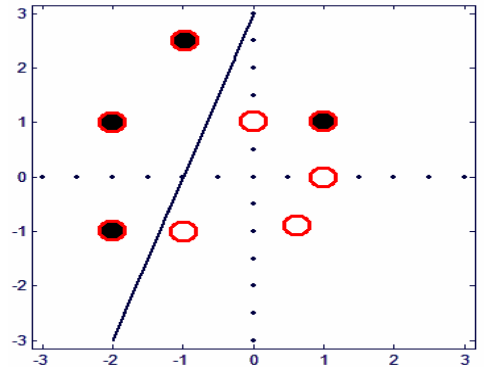
Samir Khuller

Professor

Computer Science Dept. and UMIACS

University of Maryland

samir@cs.umd.edu



---

**Proposals for the series may be submitted to the series editor or directly to:**

### **Randi Cohen**

Computer Science Acquisitions Editor

Chapman & Hall/CRC Press

3108 Rockwater Way, Virginia Beach, VA 23456

757-427-0160 • 757-427-0376 (fax)

randi.cohen@taylorandfrancis.com