

Call for Book Chapters



Title: Advances & applications in computational mathematics

Publisher: River Publishers

Final Book Publication: 2020-21

1. Introduction

In recent years, engineering and mathematical scientists worldwide have been making significant and noteworthy advances on computational mathematics and its widespread applications. In fact, computational mathematics has become a focal point of study of modern-day engineering applications. The purpose of this book is include studies involving original and advanced researches in the field of computational mathematics and applied mathematics dealing with research methodology, techniques, applications and algorithms. In the context of real-life problems, computational mathematics plays a key role and solves various problems in engineering and mathematical sciences. This book aims to also provide new researches and diversity in the direction of recent advances in computational mathematics and their applications in science and engineering.

2. Recommended Topics

- Fractional differential equations
- Numerical techniques
- Implicit integration factors
- Fourier transform
- Hyper functions
- Analytic continuation
- Continued fractions
- No convex functions
- Approximations
- Variable selection
- Computational acoustics
- Crypto currencies
- Complex networks
- Polynomial systems
- Deflation methods
- Equilibrium problems and stability
- Finite element methods
- Boundary conditions
- Heat divergence
- Ordinary differential equations
- Fractional calculus
- Multi-order fractional calculus

3. Submission Procedure

Researchers, developers and practitioners are invited to submit their chapter proposals/abstracts (Maximum 1 page in PDF format) on or before **July 15, 2020** to akshaykr1001@gmail.com cc to drmrswami@yahoo.com, harimsri@math.uvic.ca

Please provide the following points in your proposals/abstracts:

- 1) Title of the contribution.
- 2) Name of author, co-authors, institution, e-mail address.

3) Content of the proposed chapter.

Authors of accepted proposals will be notified by **July 20, 2020** about the status of their proposals.

4. Full Book Chapter

Complete chapters are expected to be submitted to akshaykr1001@gmail.com cc to drmrswami@yahoo.com, harimsri@math.uvic.ca by August 31, 2020.

- A book chapter can have up to 30 pages (up to 6000 words) in word/latex file.
- Guidelines on how to prepare the full book chapter will be provided on time.
- All submitted chapters will be reviewed on a double-blind review basis.
- Contributors may also be requested to serve as reviewers for this project, up to two manuscripts.

5. Publisher

This edited book is scheduled to be published by River Publishers. For additional information regarding the publisher, please visit <https://www.riverpublishers.com/>. This publication is anticipated to be released in 2020-21.

6. Important Dates

The following timeline is anticipated:

- Proposal Submission Deadline: **15 July 2020**
- Notification of Acceptance: **20 July 2020**
- Full Chapter Submission: **30 August 2020**
- Review Results Returned: **15 September 2020**
- Revised Chapter Submission: **30 September 2020**

7. Editors

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8. Inquiries

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