

# **CALL FOR BOOK CHAPTERS**

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**Book series Title:** Advances in Parallel Computing (SCOPUS INDEXED)

**Book Title:** Data Intensive Computing Application for Big Data

**Editors:**

1. Dr. Mamta Mittal, Assistant Professor, Department of computer science and engineering, G.B. Pant Govt. Engineering College, New Delhi, India
2. Prof. Valentina E. Balas, Aurel Vlaicu University of Arad, Romania
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**Scope of the book:**

This book focuses on the technical concepts of big data, Data Intensive Computing through Machine Learning, Soft computing & Parallel Computing Paradigms. The proposed volume intends to bring together researchers to report the latest results or progress in the development of the above mentioned areas. Since there is deficiency of books on this specific subject matter, the editors aim to provide a common platform for researchers working in this area to exhibit their novel findings.

**Topics of Interest:**

This book solicits contributions which include the fundamentals in the field of Big Data Analytics, methods of handling intensive data and provide Parallel and real time supported case studies and practical examples. Each chapter is expected to be self-contained and cover in-depth analysis of real life applications of Big Data in Science, Social, Medical and Engineering field.

Topics to be discussed in this edited book include (but not are limited to) the following:

1. Big Data Analysis in cloud and Machine learning
2. Security issues and challenges related to big data
3. Big Data security solutions in cloud

4. Big Data Technologies
6. Data Analysis with Casandra and Spark
7. Scala Programming for Big data Applications
8. IO for Spark for Big data Applications
9. Spark Data Frames and Spark SQL
10. Parallel computing paradigm
11. Distributed Graph Processing and Real Time Processing
12. Big Data Security issues and challenges
13. Cloud/Grid/Stream Computing
14. High Performance/Parallel Computing Platforms for Autonomic Computing
15. Systems for Big Data Search in Distributed & Parallel environment
16. Big Data Applications and Case Studies/ Future aspects

➤ **Submissions are expected to cover at least one topic**

### **Important Dates:**

Page write-up (abstract only with title):	May 15th, 2017
Preliminary acceptance/rejection notification:	May 30th, 2017
Full chapter Submission:	July 30th, 2017
First review notification:	August 30th , 2017
Revised paper submission:	September 20th, 2017
Acceptance/Rejection notification:	October 15th , 2017
Camera Ready submission :	November 1st, 2017

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