

## **CALL FOR BOOK CHAPTERS**



## **Data Analytics: Concepts, Techniques, and Applications** **To be Published by CRC Press, USA**

**Editors:** Dr. Mohiuddin Ahmed and Dr. Al-Sakib Khan Pathan

Big data is a term for datasets that are so large or complex that traditional data processing applications are inadequate. The significance of Big data has been recognized very recently and has different opinions on its definition. In layman's term, Big data reflects the datasets that could not be perceived, acquired, managed, and processed by traditional IT and software/hardware tools in efficient manner. Communities like scientific and technological enterprises, research scholars, data analysts, and technical practitioners have different definitions of Big data. Due to this large amount of data arriving at fast speed, a new set of efficient data analysis techniques are required. In addition to this, the term Data Science gained lot of attention from both the research community and the industry. Therefore, Data Analytics is becoming an essential component for any organization. For instance, if we consider Health Care, Financial Trading, Internet of Things, Smart Cities or Cyber Physical Systems, one can find the role of Big Data Analytics. However, with these diverse application domains, new research challenges are also arising. In this context, the aim of this book on Data Analytics is to provide a broader picture on the concepts, techniques, applications, and open research directions in this area. In addition, the proposed publication will serve as a single source of reference for acquiring the knowledge on emerging Big Data Analytics technologies.

Topics of interest are but not limited to:

- Introduction to Data Analytics
- Big Data Processing
- Big Data Classification
- Big Data Clustering
- Finding Interesting Pattern in Big Data
- Anomaly Detection from Big Data
- Recent Technologies for Big Data Analytics
- Applications in Different Domain
- Futuristic Applications and Challenges

### **Submission Instructions**

Each manuscript should be written in a tutorial manner with enough details so that it can be easily accessible to the readers outside the specialty of the area. Expected manuscript length is between 7,000 to 12,000 words. Longer manuscripts may be allowed based on the topic and need. Manuscripts submitted for the book must be original, must not be previously published or currently under review anywhere. The manuscript must be prepared with MS-Office (doc or docx). Kindly do not use any special formatting or macro for the submission version, doc or docx file. General guideline is: Use A4 page with 1 inch (or, 2.54 cm) margin on all sides, single column format, 1.5 line spacing with 11 point sized font, Times New Roman. References should be cited within the text with numbers in sequence like [1], [2], [3], .... An all-in-one PDF file may be submitted for the initial version however, if the chapter is accepted, this formatting style must be followed and MS-Office file (doc, docx) must be supplied.

A chapter proposal (1-2 page including probable Table of Contents and Affiliation, Contacts) should be sent to the editor as soon as possible. Please email to both [m.ahmed.au@ieee.org](mailto:m.ahmed.au@ieee.org) and [sakib.pathan1@gmail.com](mailto:sakib.pathan1@gmail.com)

## **Important Dates**

- Proposal Submission Deadline: **August 30<sup>th</sup> 2017**
- Notification of Proposal Acceptance: **September 30<sup>th</sup> 2017**
- Draft of Full Chapter Submission: **November 30<sup>th</sup> 2017**
- Notification for Corrections: **January 30<sup>th</sup> 2018**
- Final Chapter Submission: **March 31<sup>st</sup> 2018**

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