Call for Papers at 4th International Work-Conference on Bioinformatics and Biomedical Engineering (Springer-Verlag IWBBIO 2016)

Special session: "Information Security Optimization and Big Data (ISOBD)"

Objective and Motivation

The challenge of handling big data is considered as one of the main hot topics that concerns most organizations especially in the medical sector. Nowadays, the usage of information systems and strategic tools have been applied to various fields. Through time a vast amount of data is generated. Although there are several data processing to extract knowledge and various visualization tools to present these data, the overarching challenge of the current big data paradigm is encourage researchers to develop novel data processing and computational algorithms. Furthermore securing these data still a challenge that runs competitions to develop and applying a number of new promising security algorithms.

Scope and Interests

The aim of the *" Information Security Optimization and Big Data"* special session is to bring scientists, researcher scholars, and students from academia and industry to present recent and ongoing research activities about the recent advances and techniques of *Securing data and applying Optimization techniques especially in medical applications* and to allow the exchange and share of proposed ideas and algorithms experiences. Topics of interest include but are not limited to:

- Big data analytics modeling.
- Bioinformatics and Biomedical Applications.
- Data Mining and Knowledge Representation.
- Machine learning for medical data analysis.
- Information Security and Biometrics.
- Supervised and Unsupervised learning of Big Data.
- IOT applications.
- Optimization Algorithms.

Paper Submission and Publication

Authors must submit an original contribution in English, carefully checked for correct grammar and spelling. Please, use our **Easychair submission system** to upload your contribution.
There are two different categories for submissions:

- **Full paper contributions**

Full papers should contain 10-12 pages in its final version according to the Lecture Notes in BIoinformatics (LNBI) format of Springer-Verlag format. Extraordinarily, other two additional pages could be considered with a supplementary fee.

Templates for full papers are provided in LaTeX and Microsoft Word formats. Please, read carefully guidelines and instructions for authors that are included at Springer site. Authors must strictly follow the provided format to submit their contributions.

All accepted full papers will be published under **Lecture Notes in Bionformatics (LNBI) (In progress, to be confirmed)**. The registration, before the deadline, is mandatory for the publication in the LNBI proceedings. These contributions will be indexed in the main indexing platforms, for instance, ISI Conference Proceedings Citation Index (Thompson Reuters) and DBLP database.

- **Abstract contributions**

Abstract submissions are also accepted (at least two pages in LNBI format). Abstracts must be submitted directly in the **EasyChair platform**. Once they have been accepted, abstracts can be extended before final papers submission deadline as full paper. All accepted abstracts will be published in the conference proceedings, under both ISBN and ISSN references.

Important Dates

Submission of draft papers/abstracts by authors:
Notification of provisional acceptance: (via easychair.org/conferences/?conf=iwbbio2016)
Submission of final papers:
Registration of final papers:
IWBBIO CONFERENCE: April 20th-22th, 2016.

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