Call for Chapters: ‘Data Analytics and Decision Support for Cybersecurity: Trends, Methodologies and Applications’

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We would like to invite you to contribute a book chapter for our upcoming volume entitled “Data Analytics and Decision Support for Cybersecurity: Trends, Methodologies and Applications” to be published by Springer. The volume will be available both in print and in ebook format in mid 2017 with Springer in the Data Analytics book series.

The aim of this volume is to overview recent and ongoing research trends and innovative approaches based on Data Analytics and Intelligent Decision Support, undertaken in the forefront of Cybersecurity. Chapters featuring novel models with demonstrated effectiveness in real-life cybersecurity domains and industrial environments, are particularly welcome.

Topics of interest include (but are not limited to):

- Approaches for Threat Discovery, Evaluation and Prevention
- Exploratory and/or Descriptive Security Data Analytics
- Multi-criteria and Uncertainty-driven Decision Support Models for IT Security
- Recommender System Techniques applied to the Cyber Domain
- Malware Classification in the IoT (Internet of Things)
- Classification, Anomaly Detection and Prediction in Cybersecurity
- Structural Identification (e.g. Graph-Mining)
- Insider Threat Monitoring
- Advanced Persistent Threat Monitoring
- Human-related aspects of Cybersecurity
- Data Fusion, Uncertainty and Reasoning on (Big) Data
- Visual Analytics

Each contributed chapter is expected to present a novel research study, innovative applications or a literature survey relevant to topics outlined above.

IMPORTANT DATES:

- Chapter submission deadline: 15th November 2016 – 10th December 2016
- Chapter review notification: 15th January 2017 – 31th January 2017
- Final version deadline: 15th February 2017 – 1st March 2017

Authors are kindly invited to submit on or before 20th October, 2016, the chapter proposal of 1,000 to 2,000 words, clearly explaining the aims and contribution of their proposed chapter. Authors will be notified on or before 25th October 2016 about the status of their proposals. Full chapters are expected to be submitted by 10th December, 2016. All submitted chapters will be blind-reviewed by 3 or more reviewers.

Chapter proposals and any enquiries should be sent by email to: i.palomares@qub.ac.uk, h.kalutarage@qub.ac.uk, y.huang@qub.ac.uk. Full chapter submissions will be sent via Easychair: https://easychair.org/conferences/?conf=dadsc17

Sincerely,
Iván Palomares Carrascosa, Harsha Kumara Kalutarage and Yan Huang (Centre for Secure Information Technologies (CSIT), Queen’s University Belfast)
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