CALL FOR CHAPTERS/Circular no 1

New book proposal for scientists involved in application of graph theory.

May, 2019

PROPOSED TITLE:

Graph-based modelling in science, technology and art

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www.iftomm.net;

University of Bielsko-Biala



General introduction:
The Editors of the proposed book are:

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University Professor
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Just a few years ago, they have successfully prepared the book Entitled:

GRAPH-BASED MODELLING IN ENGINEERING

which in 2016-2017 was in 25% top downloaded SPRINGER products taking into account downloaded chapters.

We do hope that the new proposed project could be a valuable continuation of the previous volume. It makes an opportunity to publish original results as a chapter of the regular book in the prestigious, world-wide known and esteemed publishing company i.e. SPRINGER.

MMS Series has above 60 volumes and is also world-wide known due to the framework of the organization IFToMM which gathered approx. 50 countries.

These who are involved in the fields related to the mentioned in the scope are kindly invited to submit recent original achievements or a survey-type papers in English, only.

The book will be peer-to-peer reviewed, so we also expect your participation in review process.

Scope/Topics

According to technology:
- mechanical engineering,
- machine and mechanism science (formerly MMT),
- mechatronics,
- civil engineering,
- management systems,
- production systems,
- production management,
- automation,
- robotics, etc.

According to science:
- design theory,
- chemistry,
- biomechanics,
- mechanics of fluids,
- social networks,
- networks,
- programming methodology,
- encoding,
- pattern recognition,
- IT, etc.

According to art:
- text analysis,
- theatre play analysis,
- artificial scenarios,
- plot analysis and creating,
- semantic networks

According to graphs:
- linear graphs,
- digraphs,
- mixed graphs,
- signal-flow graphs,
- bond-graphs,
- contour graphs,
- hypergraphs,
- vector-network graphs,
- generalized networks,
- matrices,
- networks,
- Petri-nets,
- graph grammars,
- dual graphs,
- graph related polynomials,

Aim
The aim of the proposed BOOK is to show a modern spectrum of application of versatile graphs in wide range of problems related to science, technology and art. Its novelty consists in joining of all the mentioned fields of knowledge together – which have not been gathered yet. The application will be related to different types of graphs, e.g.: bond, mixed or flow graphs, Petri nets, hypergraphs as well as graph grammars etc. which *previously* had been considered separately.

Deadlines (rough version)
- September 2019 Declarations of Authors of the Chapters
- October/November 2019 Signing an agreement/contract
- November 2019 Confirmation of the project
- April 2020 Delivering of proposed Chapters
- May-June 2020 Reviewing process
- Early June 2020 Final acceptance of the submitted Chapters
- June – October 2020 Printing of the BOOK
- November-December 2020 Sending of books to Authors.

The SPRINGER book will be edited – under framework of MMS Series – Series Editor: Prof. Marco Ceccarelli.

Fee
The fee of the Chapter is per chapter per one copy for the team of Authors. It will established in the contract and announced after signing it. The price depends in general (but slightly) on number of the book pages, number chapters, the home country of the Author, but it will common fee for all Authors, approximately 90 EURO per all editorial works, printing, placing in the SPRINGER webpage and deliver a hard copy.

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In case of question - please – do not hesitate to contact us.

Yours Sincerely
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