Call for Contributions

Submission:
1. Inform the Chairs: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SIMUL+2018+Special
Please select Track Preference as **SMFG**

Special track

SMFG: Simulation and Modeling with Formal Grammars

Chair and Coordinator
Prof. Sigrid Ewert, School of Computer Science and Applied Mathematics, University of the Witwatersrand, Johannesburg, South Africa
Sigrid.Ewert@wits.ac.za

along with

SIMUL 2018, The Tenth International Conference on Advances in System Simulation
October 14, 2018 to October 18, 2018 - Nice, France
http://www.iaria.org/conferences2018/SIMUL18.html

Formal grammars are finite devices that generate infinitely many strings in a so-called 'language'. Formal language theory was born in the middle of the nineteenth century as a tool for modeling natural languages, and was developed mainly in connection with programming languages.

Since its inception, formal language theory has been applied to many fields that are not directly related to languages, for example, biology, economics, architecture and art, to name but a few. Grammars are a suitable tool for simulation and modeling, because they allow us to abstract to the essence of the modeled phenomena. In particular, in recent years, formal grammars have been used to model resource allocation in dynamically formed groups, to generate pictures that all have a defined characteristic, to generate pictures that are similar but not identical, to abstract and narrate novice programs, and to generate educational puzzles.

There are not many venues for the publication of research about the applications of formal language theory. Most journals and conferences in this field focus on the mathematical theory. The main objective of this special track is to provide a forum for disseminating results about applications of formal grammars.

The contributions should relate to any of the following topics, but not limited to:
- Generation of pictures
- Modeling resource allocation
- Generation of educational puzzles
- Abstraction or generation of novice programs
- Generation of architectural designs

Important Deadlines
- Inform the Chair (see Contacts below): as soon as you decide to contribute
- Submission: ~~June 28~~ September 5
- Notification: ~~July 28~~ September 20
- Registration: ~~August 11~~ September 30
- Camera ready: ~~August 22~~ September 30

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos/Tools: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

Contacts
Chair: Sigrid Ewert, Sigrid.Ewert@wits.ac.za
SIMUL logistics: steve@iaria.org