Call for Contributions

Inform the Chair: with the Title of your Contribution
Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICIW+2017+Special
Please select Main topic as **KGCC**

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Special track

KGCC: Knowledge Graph Construction and Consumption

Chair and Coordinator

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PhD Candidate Sarasi Lalithsena, Kno.e.sis Center, Wright State University, USA sarasi@knoesis.org
PhD Candidate Tommaso Soru, University of Leipzig, Germany tsoru@informatik.uni-leipzig.de

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along with
ICIW 2017, June 25 - 29, 2017- Venice, Italy
The Twelfth International Conference on Internet and Web Applications and Services
http://www.iaria.org/conferences2017/ICIW17.html

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Over the past few years, Semantic Web and Artificial Intelligence research community have a great interest in creating and consuming knowledge graphs. This is further accelerated with the adoption of knowledge graphs by industry giants such as Google, Bing, Yahoo and LinkedIn. These knowledge graphs are being used for various applications such as question answering, recommendation, document similarity/relevance, and knowledge discovery covering variety of domains such as medical and healthcare, entertainment, government and education.

Despite the wider adoption, creation and usage of knowledge graphs still needs to tackle several challenges. Most of the existing usable knowledge graphs are built with the human involvement and/or with structured data. Currently, we have access to the ever growing unstructured and semi structured data sources coming from different modalities and it is essential to develop techniques that leverage the richness of these data sources in creating knowledge graphs. This special track is focused on discussing the challenges in creating knowledge graphs and also in consuming knowledge graphs for various applications.

Topics include, but not limited to:
- Construction of knowledge graphs semi automatically or automatically from various heterogeneous multi-modal data sources; formal text, short text, images, sensor data, etc
- Construct knowledge graphs for focused and specialized domains
- Structured machine learning on knowledge graphs
- Knowledge graph embedding in vector spaces
- Improve the quality of the knowledge graphs by dealing with the noise and incompleteness of existing knowledge graphs
- Maintain the temporal relevancy of knowledge graphs; i.e., identify emerging/fading concepts and facts
- Integration of knowledge graphs; alignment techniques to align classes, relationships and instances
- Applications of leveraging knowledge graphs to improve the state of the art techniques
- Scalability challenges in leveraging large knowledge graphs

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~March 5~~ May 17
- Notification with comments for camera-ready: ~~April 5~~ May 24
- Registration: ~~April 20~~ May 31
- Camera ready: ~~May 12~~ May 31

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: 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
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICIW+2017+Special
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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

Contact
PhD Candidate Sarasi Lalithsena, Kno.e.sis Center, Wright State University, USA sarasi@knoesis.org
PhD Candidate Tommaso Soru, University of Leipzig, Germany tsoru@informatik.uni-leipzig.de
Logistics: steve@iaria.org