

## Call for Contributions

### Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=MMEDIA+2018+Special>

Please select Track Preference as **OLAM**

### Special track

## **OLAM: Ontologies in Learning Architectures for Multimedia - Symbolic and Sub-symbolic Knowledge Representation -**

### Chair and Coordinator

Dr. Rosario Uceda-Sosa, IBM Research, T.J. Watson, USA

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along with

**MMEDIA 2018**, The Tenth International Conference on Advances in Multimedia

April 22, 2018 to April 26, 2018 - Athens, Greece

<http://www.iaria.org/conferences2018/MMEDIA18.html>

We invite submissions discussing systems that address the semantic gap in multimedia systems by combining sub-symbolic (deep learning) and symbolic models and reasoning, in particular, ontologies.

Mapping deep learning models to high-level ontologies can be done at different levels and for a variety of purposes, from training data ingestion and curation to deep learning model definition and composition, but in all cases, a symbolic knowledge representation - whether generated automatically or manually curated - allows the system vocabulary to be analyzed, queried and evolved by users.

We want to know about either mature technologies or early experiences of systems under work. Both success and failure stories are welcome, as long as they are properly documented and reproducible.

**Prospective authors** are invited to submit original papers on topics including, but not limited to:

- Semantic Web and deep learning models for multimedia systems
- (Deep) Learning ontology validation and completion
- Automatic generation of multimedia ontologies from sub-symbolic models
- Architectures and benchmarking of hybrid systems
- Statistical Relational Learning and Logical (symbolic) reasoning
- Recursive Neural Tensor Networks and hierarchical domains

### Important Datelines

- Inform the Chairs: As soon as you decided to contribute
- Submission: ~~January 17, 2018~~ **February 28, 2018**
- Notification: ~~February 22, 2018~~ **March 5, 2018**
- Registration: ~~March 8, 2018~~ **March 10, 2018**
- Camera ready: ~~March 15, 2018~~ **March 20, 2018**

*Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.*

### 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.iaia.org](http://www.iaia.org)]
- Presentations: slide only [slide-deck posted on [www.iaia.org](http://www.iaia.org)]
- Demos: two pages [posted on [www.iaia.org](http://www.iaia.org)]

### **Paper Format**

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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.iaia.org/registration.html>

### **Contacts**

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