

# Call for Papers: First International Workshop on Hybrid Question Answering with Structured and Unstructured Knowledge (HQA'18)

Part of The Web Conference 2018  
April 23, 2018 in Lyon, France

HQA 2018: <https://goasq.lri.fr/workshop/hqa18.html>  
TheWebConf 2018: <https://www2018.thewebconf.org/>

## Important Dates

- Title and abstract submission: February 5, 2018 (Anywhere on Earth)
- Paper submission: February 8, 2018
- Notification: February 16, 2018
- Early-bird registration deadline: February 21, 2018
- Final version due: March 4, 2018
- Workshop: April 23, 2018

## Objectives

More and more knowledge is available electronically in a structured or unstructured form over the World Wide Web (WWW). Such knowledge has become a rich resource to answer our daily life questions and even scientific questions posed by domain experts. Accordingly, it becomes a necessity to develop tools that can (semi-)automatically answer questions based on the large amount of available data.

Such challenges have been targeted separately over the last years by different communities, including query answering in the Semantic Web based on structured semantic data and question answering in Natural Language Processing based on unstructured textual data. While the former is powerful in representing complex questions and exploring background knowledge (e.g., large biomedical ontologies), it is often difficult to master, and such an advanced answering system cannot be used without a specialized user interface. In contrast, the latter can handle natural questions directly but can formulate constraints that cannot be represented formally by query answering approaches due to the limited expressiveness of formal languages. Besides it is not obvious how to

take into account the background and common sense knowledge needed to obtain precise answers over structured data.

The objective of this workshop is to bring together researchers and developers working on question/query answering systems over structured or unstructured knowledge, and create a platform to grow potential collaborations in this multidisciplinary task.

## Topics

Topics of submissions include, but are not limited to:

- Text-based question answering
- Ontology-based query answering
- Hybrid reasoning based on both text and structured knowledge
- Information extraction over (un-)structured data
- Applications of question answering
- Domain-specific question answering
- Temporal event extraction from text
- Temporal reasoning for query answering
- Ontologies and knowledge graphs for question/query answering
- Biomedical text analysis for question/query answering
- Datasets combining structured and unstructured knowledge

## Submissions

Papers for the workshop should be submitted in PDF format via EasyChair at <https://easychair.org/conferences/?conf=www2018satellites>, selecting the track “**First International Workshop on Hybrid Question Answering with Structured and Unstructured Knowledge**”. Submitted papers must use the **new ACM format** published in ACM guidelines (<http://www.acm.org/publications/proceedings-template>), selecting the **generic “sigconf” sample**. Submissions must not exceed **4-6 pages** in length. Papers must not have been previously published or be under review at another workshop. However, we encourage submissions that present summaries or highlights of work appearing elsewhere in longer form. Accepted papers will be published in a companion volume of the main proceedings of The Web Conference 2018.

## Attending

For details about traveling to Lyon, accommodation, and registration, please see the Web pages of The Web Conference 2018: <https://www2018.thewebconf.org/>

## Organization

PC Chairs:

- Franz Baader, TU Dresden, Germany
- Brigitte Grau, LIMSI, CNRS, Universit Paris-Saclay, France
- Yue Ma, LRI, CNRS, Universit Paris-Sud, France

Organizing Committee:

- Stefan Borgwardt, TU Dresden, Germany
- Sanjay Kamath, LRI/LIMSI, CNRS, Universit Paris-Sud, France
- Pierre Zweigenbaum, LIMSI, CNRS, Universit Paris-Saclay, France

Program Committee (to be extended):

- Meghyn Bienvenu, LIRMM, CNRS, France
- Elena Cabrio, Inria, CNRS, I3S, Université Côte d'Azur, France
- Francesco Donini, Università della Tuscia, Italy
- Walter Forkel, TU Dresden, Germany
- Zhisheng Huang, Vrije University of Amsterdam, The Netherlands
- Jens Lehmann, University of Bonn, Germany
- Anne-Laure Ligozat, LIMSI, CNRS, Université Paris-Saclay, France
- Raghava Mutharaju, GE Global Research Center, USA
- Jeff Pan, The University of Aberdeen, United Kingdom
- Anselmo Peas, National Distance Learning University, Spain
- Guilin Qi, Southeast University, China
- Fathia Sais, LRI, CNRS, Université Paris-Sud, France
- Fabian M. Suchanek, Télécom ParisTech, France
- Michaël Thomazo, INRIA Saclay, France