

## CALL FOR PAPERS

### 5th International Conference on Agreement Technologies December 14-15, Évry, France

<https://at2017.ibisc.univ-evry.fr/>

This year *The Agreement Technologies Conference* (AT 2017) is collocated with EUMAS 2017. Sessions of both conferences will be opened to all participants of EUMAS and AT.

We hope that this will allow us to develop a rich and inspiring program of high-quality papers reporting original results.

Moreover, on the previous days of AT/EUMAS 2017 we will also organise the *1st edition of the Agreement Technology Winter School*. This AT Winter School will offer a rich programme of both introductory and advanced courses on Agreement Technologies. The courses are aimed at PhD students, advanced Master's students and other young researchers and will be taught by leading researchers in the field.

#### Aims and Scope

Agreement Technologies refer to computer systems in which autonomous software agents negotiate with one another, typically on behalf of humans, in order to come to mutually acceptable agreements. An agent may choose whether to fulfil an agreement or not, and it should fulfil it when there is an obligation to do so derived from the standing agreements. Autonomy, interaction, mobility and openness are key concepts studied within the Agreement Technologies approach.

Semantic alignment, negotiation, argumentation, virtual organisations, trust and reputation and several other technologies are part of the sandbox to define, specify and verify such systems. The International Conference Series on Agreement Technologies is an interdisciplinary forum that brings together researchers and practitioners working on the various topics comprising this emergent and vibrant field. It provides an avenue to discuss and exchange new ideas and techniques for the design, implementation and verification of next generation open distributed systems centred on the notion of agreement among computational agents.

AT 2017 follows the successful outcome of the previous editions of the International Conference on Agreement Technologies: [AT 2012](#) in Dubrovnik, Croatia, [AT 2013](#) in Beijing, [AT 2015](#) in Athens and [AT 2016](#) in Valencia.

#### Topics of Interest

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| <ul style="list-style-type: none"><li>• Argumentation and negotiation</li><li>• Trust and reputation</li><li>• Coalition &amp; team formation</li><li>• Coordination and distributed decision making</li><li>• Computational social choice</li><li>• Semantic alignment</li><li>• Inter-theory relations</li><li>• Decision and game theoretic foundations for agreement</li><li>• Agent commitments</li><li>• Semantic service coordination</li><li>• Normative systems</li><li>• Individual reasoning about norm adoption</li><li>• Collective deliberation about norm adoption</li><li>• Autonomic Electronic Institutions</li></ul> | <ul style="list-style-type: none"><li>• Group planning agreements</li><li>• Deliberative agreement: social choice and collective judgment</li><li>• Evolution of organisational structures</li><li>• Social Intelligence</li><li>• Logics for agreements</li><li>• Real-time agreements</li><li>• Agreement patterns</li><li>• Agreement technologies architectures, environments and methodologies</li><li>• Applications of agreement technologies (e.g. web service composition, contract automation, supply chain automation, sensor networks, etc.)</li></ul> |
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## Submissions

AT 2017 welcomes original, unpublished papers. We especially invite submissions by students who could benefit from receiving valuable feedback from the discussion-oriented focus of the conference.

Authors are invited to submit papers in the following two categories:

**Full Papers:** Papers in this category should represent original and previously unpublished work that is currently not under review in any conference or journal. Both basic and applied research papers are welcome. Papers should not exceed 15 pages including references and figures.

**Position Papers:** We also welcome position papers intended for the discussion of ideas and concepts related to research. Examples could include thoughtful critiques of the field, technical discussions of various implementation techniques, methodological contributions, and visionary ideas that propose long-term challenges and new research opportunities that are outside the current mainstream of the field. Position papers can be 4-6 pages in length.

Each submission will undergo a double-blind peer-review process. All submissions must be written in English and formatted according to the Springer LNCS style, which can be obtained from: <http://www.springer.de/comp/lncs/authors.html>.

## Proceedings

We plan to publish AT-2017 proceedings, in a Springer LNCS/LNAI volume.

Full research papers and position papers describing original, unpublished work accepted at AT 2017 will be included in the proceedings.

We will give authors of accepted papers the opportunity to revise the camera-ready version of their paper(s) in order to incorporate feedback received upon the presentation of their work during the conference.

We also plan to publish a special issue of an ISI ranked Journal for extended versions of high-quality papers describing original, novel research. Further details on the ISI journal special issue will be announced soon.

Submissions must be done via EasyChair through this link:

<https://easychair.org/conferences/?conf=at2017>

## Important Dates

- Deadline for registering abstracts: **September 10, 2017**
- Deadline for papers submission: **September 17, 2017**
- Final decisions to authors: **October 13, 2017**
- Camera Ready Papers: **October 22, 2017**
- Conference: **14-15 December, 2017**

All deadlines are at 23:59 UTC-12, i.e. before midnight on the respective date anywhere in the world.

## Conference Chairs

Estefania Argente, Universitat Politècnica de Valencia, Spain

Francesco Belardinelli, Université d'Evry, France

## Contact Details

AT Organising Committee ([at2017@easychair.org](mailto:at2017@easychair.org))