

# **Eighth International Conference on Computational Models of Argument (COMMA 2020)**

**Perugia, Italy, 8th-11th September 2020**

<https://www.comma2020.dmi.unipg.it/>

## **SECOND CALL FOR PAPERS AND DEMOS**

The International Conference on Computational Models of Argument (COMMA) is a regular forum for presentation and exchange of the latest research results concerning theory and applications of computational argumentation. After the successful editions in Liverpool (2006), Toulouse (2008), Desenzano del Garda (2010), Vienna (2012), Pitlochry (2014), Potsdam (2016) and Warsaw (2018), the biennial COMMA event will be hosted by the Department of Mathematics and Computer Science of the University of Perugia. COMMA 2020 will be preceded by the fourth edition of the Summer School on Argumentation (SSA 2020). In addition to the main conference track, COMMA 2020 will include system demonstrations, as well as workshops devoted to specific argumentation-related themes.

COMMA topics include, but are not limited to:

- Formal, semi-formal and informal models for argumentation
- Argumentation and Non-monotonic Reasoning
- Dialogue based on argumentation
- Strategies in argumentation
- Argumentation and game theory
- Argumentation and probability
- Argumentation and narrative
- Argumentation-based explanation
- Argumentation and computational linguistics
- Argument mining
- Computational properties of argumentation
- Reasoning about action and time with argumentation
- Decision making based on argumentation
- Argumentation in agent and multi-agent systems
- Argumentation for coordination and coalition formation
- Argumentation-based negotiation
- Argumentation, trust and reputation
- Argumentation and human-computer interaction
- Systems for learning through argument
- Implementation of argumentation systems
- Tools for supporting argumentation
- Demonstrations of innovative working applications and tools

## CALL FOR PAPERS

We invite submission of original and unpublished work. Parallel submission to journals or other conferences or workshops with published proceedings is not permitted.

The conference includes a Regular Track and an Innovative Applications Track. As to the latter, we encourage the submission of original papers about innovative applications, e.g., in law, medicine, e-democracy, risk assessment, intelligent user interfaces, recommender systems, argument mining etc. Innovative applications papers will be assessed in an equally rigorous reviewing procedure as regular track papers. Reviewing is single-blinded.

Paper submission, in PDF format, will be managed through EasyChair and will be open between **March 9** and **April 21, 2020**.

The proceedings of the conference will be published by IOS Press as an open-access book.

Authors should prepare their submission following the instructions given by IOS Press (<http://www.iospress.nl/service/authors/latex-and-word-tools-for-book-authors/>).

The length of each submission for both Regular and Innovative Applications papers must not exceed **12 pages**.

For papers submitted to the Innovative Applications Track please insert: "Submitted to IAT." at the beginning of the Latex `\thanks{}` footnote in the first page.

### Important Dates

- Paper submission open: 9 March 2020
- Paper submission deadline: 8 May 2020
- Notification of acceptance: 19 June 2020
- Camera-ready versions due: 13 July 2020

## CALL FOR DEMONSTRATIONS

A session will be organized for the demonstration of innovative working applications and tools. Systems of interest include (but are not limited to):

- Innovative applications in law, medicine, e-democracy, risk assessment, intelligent user interfaces, recommender systems
- Argumentation-based reasoners
- Systems for generating arguments from knowledge bases
- Systems for editing, presenting and judging arguments and counterarguments
- Collaborative and social systems based on argumentation
- Simulations of dialogue-based argumentation
- Argumentation-based agents and multi-agent systems
- Decision support systems based on argumentation
- Argument mining systems

All those intending to demonstrate a system should notify the demonstrations coordinator (Francesco Santini

francesco.santini@unipg.it) by e-mail no later than March 31 2020, specifying whether the demo is connected to a paper in a conference track.

Where a demonstration is **not** connected to a paper in a track, a **two page** extended abstract about the system must also be submitted for review. Accepted extended abstracts will be published in the conference proceedings. For those demonstrations that are connected to a paper in the standard track or innovative applications track, no separate abstract about the demonstration should be submitted.

The submission site, format and deadlines for extended abstracts are the same as for regular papers.

## Important Dates

- Deadline for notification to the demo coordinator: 31 March 2020
- Extended-abstract submission deadline: 8 May 2020
- Notification of acceptance: 19 June 2020

## Organization

- Program chair:
  - Henry Prakken, Utrecht University & University of Groningen, The Netherlands
- Conference chair:
  - Stefano Bistarelli, University of Perugia, Italy
- Conference co-chair:
  - Francesco Santini, University of Perugia, Italy
- Publicity chair:
  - Carlo Taticchi, University of Perugia, Italy

## Contact

- Stefano Bistarelli, [bista@dmi.unipg.it](mailto:bista@dmi.unipg.it)