

**AI<sup>3</sup> 2023**  
**Workshop on Advances in Argumentation in**  
**Artificial Intelligence.**

Proceedings of the 7th Workshop on  
Advances in Argumentation in Artificial Intelligence  
(AI<sup>3</sup> 2023)

Co-located with AIXIA 2023  
Rome, Italy, 09 November 2023

Edited by  
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## PREFACE

This volume contains the papers presented at the 7th Workshop on Advances in Argumentation in Artificial Intelligence (AI<sup>3</sup> 2023), held in Rome, Italy, on 9 November 2023. AI<sup>3</sup> 2023 was the 7th edition of the Workshop on Advances in Argumentation in Artificial Intelligence series, a venue that provides opportunities for stakeholders from the academia and industry to present their latest developments in argumentation theory. The goal of the workshop is to stimulate discussions and promote scientific collaboration among researchers not only directly involved in argumentation, but also from research fields indirectly related to argumentation including non-monotonic reasoning, logic programming, linguistics, natural language processing, philosophy and psychology, just to mention a few of them.

The workshop was co-located with the 22nd International Conference of the Italian Association for Artificial Intelligence, the yearly AI conference of researchers, students, and industry professionals dealing with various aspects of AI in Italy. AIxIA 2023 took place in Rome, from 06 to 09 November 2023.

AI<sup>3</sup> 2023 was mainly held in presence, although some participated in the event remotely. We received 16 submissions out of which 9 papers were accepted as regular papers, and 6 as short papers and/or extended abstracts. AI<sup>3</sup> 2023 offered an interesting and diverse program, which in addition to the technical papers, included an invited talk by Francesca Toni (Imperial College, London) on “Computational Argumentation in the time of data-centric AI”.

The invited talk by Francesca Toni was streamed. We are very grateful to the Program Committee for their invaluable efforts in providing helpful and informative reviews for all submissions in a timely fashion.

Finally, special thanks go to Stefano Bistarelli (University of Perugia) and Massimiliano Giacomini (University of Brescia) for their support during the organisation of the event, and to the General and Local Chairs of AIxIA 2023, for their engagement in the local organisation and constant support during the co-location.

*November 2023*

*Gianvincenzo Alfano, Stefano Ferilli*

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*7th Workshop on Advances in Argumentation in Artificial Intelligence (AI<sup>3</sup>), November 06–09, 2023, Rome, Italy*



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## ORGANISATION

We list below the people who contributed to the organization of the AI<sup>3</sup> 2023 workshop.

### **Program Chairs**

- Gianvincenzo Alfano, DIMES Department, University of Calabria, Italy
- Stefano Ferilli, Department of Computer Science, University of Bari Aldo Moro, Italy

### **Program Committee**

- Pietro Baroni (University of Brescia)
- Stefano Bistarelli (University of Perugia)
- Fabio Aurelio D'Asaro (University of Milan)
- Bettina Fazzinga (University of Calabria)
- Sergio Flesca (University of Calabria)
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- Francesco Santini (University of Perugia)
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