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Valeria Giardino · Sven Linker · Richard Burns ·
Francesco Bellucci · Jean-Michel Boucheix ·
Petrucio Viana (Eds.)

Diagrammatic Representation and Inference

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Bologna, Italy

Jean-Michel Boucheix
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Petrucio Viana
Universidade Federal Fluminense
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Preface

The 13th International Conference on Theory and Application of Diagrams (Diagrams 2022) was held at the Sapienza University of Rome during September 13–17, 2022. The conference was co-located with the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2022).

After two years of online conferences, Diagrams 2022 was planned from the beginning as a fully physical event. While this added additional uncertainty to the organization, we envisioned that a physical event would foster natural collaboration and communication among researchers in the Diagrams community more strongly.

Submissions to Diagrams 2022 were solicited in the form of long papers. short papers, posters, and abstract submissions. Each submission received at least three peer reviews. Afterwards, the authors were given the opportunity to respond to the reviews in the form of a rebuttal. During the lively discussion among the Program Committee, both the reviews and the rebuttal were taken into account. This robust process ensured that only the highest-quality papers were accepted for presentation at the conference. We thank all members of the Program Committee for their hard work and the time they spent on the discussion.

Diagrams 2022 received 58 submissions across the Main, Philosophy, and Psychology and Education tracks. Out of all these submissions, 11 were accepted as long papers, 19 as short papers, and five as posters. Furthermore, one submission was accepted as a full abstract, one as a short abstract, and, one as a non-archived poster. This program was complemented by four tutorials, and a workshop on "Diagrams of Life and Evolution".

The conference included two keynote presentations by prestiguous researchers in the Diagrams community:

- Gem Stapleton on "The Power of Diagrams: Observation, Inference and Overspecificity". This keynote was shared with VL/HCC.
- Sun-Joo Shin on "Visual Representation and Abductive Reasoning".

In addition, Diagrams 2022 hosted an Inspirational Early Career Researcher speaker, who was invited to open the Graduate Symposium. We were delighted to host Lorenz Demey from KU Leuven to give this talk with the title "From Aristotelian Diagrams to Logical Geometry".

Of course, the organization would not have been possible without the help of many others. First of all, we would like to thank Paolo Bottoni and Francesco Sapio for their outstanding work as local organizers. Furthermore, we thank Amy Fox for her help as the Publicity Chair, Petrucio Viana for his work as the Proceedings Chair, and Reetu Bhatthacharjee for her support to the next generation of researchers by serving as the Graduate Symposium Chair. Our institutions, CNRS, Lancaster University Leipzig, West Chester University, University of Bologna, and Université de Bourgogne, provided us with additional support, for which we are thankful.

Finally, we would like to thank the Steering Committee for their continuous support throughout the organization of the conference, and in particular the Chair of the Steering Committe, Amirouche Moktefi, who was always willing to help with additional advice.

July 2022

Valeria Giardino
Sven Linker
Richard Burns
Francesco Bellucci
Jean-Michel Boucheix

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