

Preface

Context affects virtually all aspects of behavior in animals, humans, and computer systems. It affects how we understand the world, communicate with others, and plan and carry out our actions. It affects how computer systems should behave so that they act appropriately for their situation and their users.

Contextual effects have been studied in many different disciplines over the years, but usually without too much interaction between the researchers in the different fields. This began to change in the mid-1990s, beginning in a small way with a 1993 International Joint Conference on AI workshop in on modeling context in knowledge representation and reasoning, which sought to bring together some of the various threads of context-related research. The interdisciplinary focus on context as a subject of research truly began in 1997, when the First International and Interdisciplinary Conference on Modeling and Using Context, CONTEXT 1997, was held in Rio de Janeiro.

Conferences since the original have been held in Trento, Italy (1999), Dundee, UK (2001), Stanford, California, USA (2003), Paris, France (2005), Roskilde, Denmark (2007), Karlsruhe, Germany (2011), Annecy, France (2013), and Larnaca, Cyprus (2015).

This volume contains the proceedings of the 10th CONTEXT Conference, held in Paris, France, during June 20–23, 2017. CONTEXT 2017 was a very special conference in the series: not only was it the 10th CONTEXT conference, it marked the 20th anniversary of the start of the series and the start of the interdisciplinary community focusing on context-related research.

CONTEXT conferences over the years have showcased papers from some of the leading thinkers on the subject as well as newcomers from fields as diverse as artificial intelligence, philosophy, linguistics, neuroscience, management, and computer applications, and have included world-renowned invited speakers. This year's conference included invited talks from Robert Stalnaker ("Conversational Strategy"), Fausto Giunchiglia ("Personal Context Modelling and Annotations"), and François Récanati ("Indexical Thought").

CONTEXT 2017 included several workshops that took place on the day prior to the main conference. These were: Context and Philosophy (C. Penco and M. Vignolo, chairs), Context in Management (F. Santoro, K. Revoredo, M. Borges, and J. Canos, chairs), Context in Learning (J. Bourdeau and T. Forissier, chairs), Quality Awareness in Modeling and Using Context in Applications (QAMUCA, S. Chabridon and P. Marie, chairs), and Context in the Explanation of Human Reasoning (M. Sbisand P. Labinaz, chairs).

We took an unusual approach to organization for this conference in which the boundary between workshop papers and main conference (plenary) papers was considerably more fluid than usual. This was done to get the best work presented to the

community, even if that work was not initially considered by the authors to have broad appeal. All submitted papers, including those submitted to the workshops, were reviewed the same way, with the final disposition of the papers decided by the conference chairs in consultation with the workshop chairs. Some papers submitted to workshops, for example, were considered of sufficient merit and broad enough interest to be included in the plenary sessions. A special session of topic tracks included high-quality papers from the workshops that, while perhaps not of broad appeal, were still likely to interest a segment of the general attendees. This also encouraged the workshops to focus less on paper presentation and more on substantive discussions and work.

There were 88 papers submitted to the conference. Of these, 26 were accepted as plenary papers for an acceptance rate of 29%. Additionally, 15 papers were presented as part of the topic tracks sessions, and 15 were presented as posters at a special session in the evening of the first day of the main conference. All plenary, topic track, and poster papers appear in these proceedings.

Many people and organizations contributed to the success of CONTEXT 2017. We would like to thank the invited keynote speakers, the workshop chairs, and the Program Committee members for their efforts, as well the local student-workers at the conference venue. We would also like to thank the Pierre et Marie Curie University for being the setting for the conference, the EasyChair conference management system, and the editors at Springer (and Springer itself) for their help with myriad questions and issues. We would also like to thank the Northwestern Italian Philosophy Consortium (FINO) for their financial support for some of the conference attendees.

This conference was held at a time when other fields had begun to recognize context as a subject of study in its own right, but CONTEXT still remains the premier venue for bringing together researchers from many different fields to share ideas and discuss commonalities. We foresee a need for this kind of forum going forward, and we feel that the future is very promising for many more CONTEXT conferences.

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