



# Proceedings of the International Conference on Advanced Visual Interfaces (AVI 2026)

Venice, Italy  
June 8-12, 2026

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**Long Paper Chairs: Paloma Díaz, Alessandra Melonio**

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ACM ISBN: 979-8-4007-2342-1

## **WELCOME**

It is our great pleasure to introduce the 18th edition of the International Conference on Advanced Visual Interfaces organised by the Ca' Foscari University of Venice and the Free University of Bozen-Bolzano, in cooperation with the Association for Computing Machinery (ACM) and the ACM Special Interest Group on Computer-Human Interaction (ACM SIGCHI), and Hypertext and the Web (ACM SIGWEB). With the theme "Interactive Creativity: Agencies, Interfaces, and Ethics", AVI 2026 invited reflection on how interfaces shape creative practices, distribute tasks and agency between humans and computational systems and to bring ethical responsibilities to the foreground of HCI.

Generative AI presents new challenges and opportunities in how we interact with technology. The pragmatic and hedonic needs of diverse user groups, as well as their expectations of interactive systems, are changing with AI. At the same time, creativity and agency remain central to realise the full potential of individuals and societies. At AVI 2026, we encouraged the community to discuss these fundamental issues and to explore how we can create meaningful agency, design truly collaborative interfaces, and embed the values we believe in.

AVI 2026 took place in San Servolo, a small island of Venice. For centuries Venice has been a centre for the exchange of goods and ideas, and a place where engineering and the arts have shaped the fabric of the community. It is also a delicate and fragile ecosystem that is constantly changing. We believe this provides the ideal venue to reflect, reframe, and speculate about creative solutions to more sustainable and rewarding technological futures.

We thank the Program Chairs Rosella Gennari and Fabio Pittarello, the Steering Committee, the Organising Committee, all the authors and participants, and we wish all of you an exciting conference in Venice!

Antonella De Angeli and Albrecht Schmidt

AVI 2026 General Chairs

## FOREWORD

The 2026 edition of the International Conference on Advanced Visual Interfaces (AVI 2026), held in Venice, Italy, from 8 to 12 June 2026, continues the conference tradition of bringing together researchers and practitioners working at the intersection of Human-Computer Interaction (HCI) and advanced visual interfaces, while expanding on different forms of interaction and experience. The first two days of the conference hosted workshops and tutorials, followed by the main conference programme. The scientific contributions addressed both consolidated AVI themes related to information visualisation, as well as novel interaction styles—e.g., augmented and virtual reality, intelligent interfaces, social interaction, interaction in natural and urban spaces, multimodal and multisensory interaction, tangible and embodied interaction—and emerging challenges related to artificial creativity and responsible design across various applications, including art and creativity, cultural heritage, security, health and well-being.

AVI 2026 received 107 submissions to the long papers track and 35 submissions to the short papers track. Following a rigorous double-blind peer-review process, 33 long papers and 18 short papers were accepted for presentation and publication in the conference proceedings, corresponding to acceptance rates of 30% for long papers and 51% for short papers. The review process involved an international Program Committee composed of 37 Associate Chairs and a broad panel of expert reviewers from the international HCI research community. Each paper received at least three reviews, including one by an Associate Chair, who coordinated the discussion process, synthesised the reviews, and prepared the meta-review supporting the final decision process. Final decisions were taken jointly by the Program Chairs together with the Long and Short Paper Chairs, based on reviewer evaluations, discussions, and Associate Chair recommendations.

The accepted papers were organised into thematic sessions that reflected both the breadth of contemporary HCI research and the distinctive focus of AVI 2026 on creativity, ethics, and emerging forms of interaction. The programme explored topics including diverse users in context, dynamic urban spaces, interacting with visual information, diverse artefacts in context, trust, awareness and decision-making, interfaces supporting different points of view, interaction methods and patterns, and the crafting of written narratives. Collectively, these sessions highlighted current research directions in tangible, embodied and situated interaction, as well as multimodal and multisensory experiences, intelligent and trustworthy systems, domain-oriented applications, and interfaces designed to support interpretation, collaboration, and creativity beyond exclusively visual paradigms.

The entire conference programme is particularly rich in both scientific content and presentation formats, reflecting the diversity of forms and modalities that interaction and interfaces take today. AVI 2026 features 23 posters, 17 demos and interactive experiences, 13 workshops, and 4 keynote presentations. This edition also introduced the Interactive Experiences (IE) track alongside the traditional demo track. The IE track was conceived to provide space for experiential, performative, and embodied experiences that cannot be adequately communicated through conventional paper presentations alone. This innovation further broadens the scope of AVI and reinforces its role as a venue attentive to emerging forms of interaction research and practice.

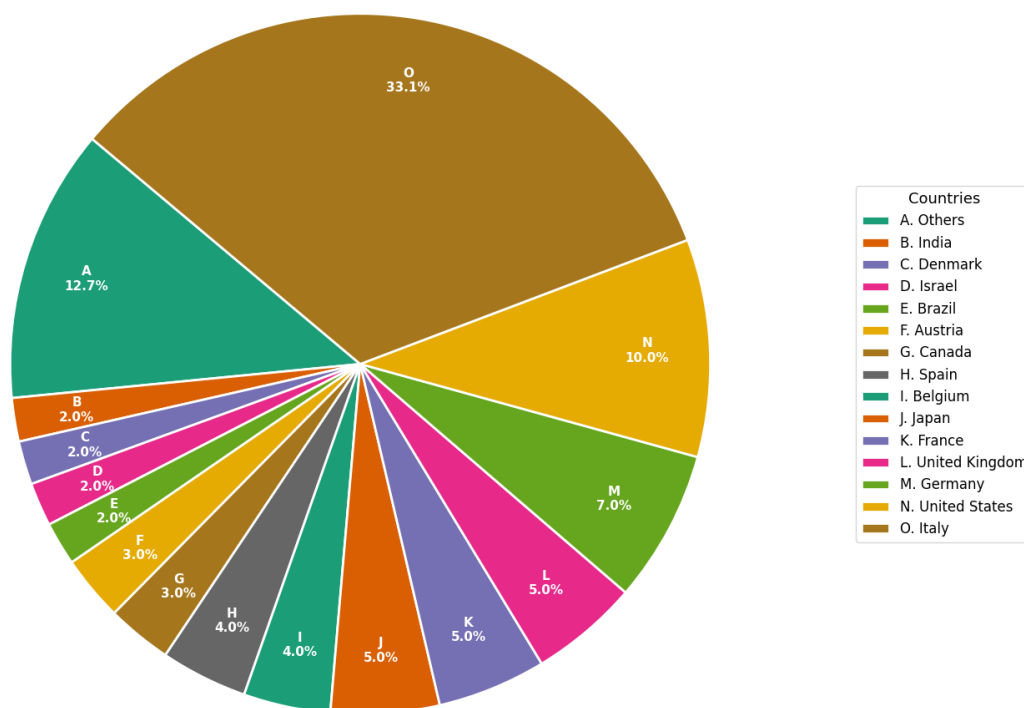
The keynote programme of AVI 2026 reflects the conference theme and its emphasis on creativity, multimodal interaction, ethics, and future human-centred technologies from complementary perspectives. Hiroshi Ishii reflected on embodied and tangible interaction through his pioneering research on Tangible Bits and Radical Atoms, and presented his more recent vision of “TeleAbsence”, inspired by both artistic practices and human-centred design. Stefania Serafin explored multisensory experiences grounded in sound, movement, and bodily perception, exemplifying AVI’s growing interest in interaction beyond purely visual interfaces. Francesco Ricci discussed trustworthy recommender systems and the broader implications of AI-supported decision making, contributing to discussions on responsible AI and human-centred intelligent systems. Felienne Hermans addressed the societal implications of AI and automation, connecting directly with AVI themes concerning artificial creativity, ethics, and human agency.

AVI 2026 also continues the innovation introduced in recent editions concerning further space for students. This year, dedicated events coordinated provide doctoral candidates with opportunities for networking, mentoring, and visibility within the broader conference community. The programme includes a dedicated Doctoral Consortium (DC) session, followed by DC madness presentations and poster sessions integrated into the main conference, fostering direct interaction with senior and peer researchers. In addition, AVI 2026 strengthens student participation through a Student Volunteer programme chaired and coordinated by students themselves. Together, these initiatives reinforce AVI’s commitment to supporting new generations of researchers.

Workshops remain a central component of the AVI experience, with 13 workshops exploring emerging topics and interdisciplinary perspectives across HCI, multimodal AI, creativity, accessibility, immersive environments, and human-centred technologies. Together with posters, demos, and IE’s, these activities contribute to an articulated and dynamic conference programme that encourages discussion, experimentation, and collaboration.

The distribution of submissions and committee memberships suggests that AVI is progressively strengthening its international profile. The plot below shows the distribution of submissions by country; countries with fewer than 10 submissions were grouped into the “Others” category. While Italy still represents the largest share of submissions (33%) and committee members, both scientific contributions and organisational responsibilities are distributed across a broad range of countries spanning Europe, America, Asia, and the Middle East. This diversity highlights the growing international reach of AVI and its ability to attract participation and collaboration from multiple research communities and geographical areas.

**Percentage of Submissions per Country**



AVI 2026 is the result of the commitment and dedication of many people.

We sincerely thank all members of the Organising Committee for their work for the conference organisation. We are grateful to the DC Chairs for creating novel interaction spaces for students, and to the Student Volunteers Chairs, who coordinated the call for student volunteers; the Web Chair, Publicity and Social Network Chairs, who brought the

conference communication to a new artistic level; the Industry Chairs for their support; and the Accessibility and Inclusion Chairs, who considered diverse perspectives for the conference, drawing on their expertise in accessibility.

We also warmly thank the Poster Chairs and the IE and Demo Chairs for bringing fresh ideas and energy to the conference, as well as the Workshop Chairs, who managed a record number of submissions and coordinated the entire process, from selection to organisation. Finally, we thank the Paper Chairs and Proceedings Chairs for their fundamental contribution to the scientific programme and proceedings.

In recognition of the collective effort invested in shaping AVI 2026, we decided to include as many members of the Organising Committee as possible among the editors. Although it was not feasible to include everyone this year, we hope it is clear that each member of the committee made a meaningful contribution to the conference. AVI would not be possible without the commitment and dedication of its Organising Committee.

We are particularly grateful to the General Chairs, Antonella De Angeli and Albrecht Schmidt, for their guidance and support. We also thank the Associate Chairs, Program Committee members, and external reviewers for ensuring the scientific quality of the conference and for their careful and timely evaluation work.

Last but not least, our appreciation also goes to the initiators of AVI, started in 1992, as well as the AVI Steering Committee for their trust and support throughout the organisation of this edition. We thank all Keynote Speakers, Workshop Organisers, and Student Volunteers for their valuable contributions to the conference. Finally, we express our deepest gratitude to all authors and participants whose enthusiasm, creativity, and research contributions continue to shape AVI as a vibrant and internationally recognised forum for advanced interfaces and interactions, with a distinctive attention to human factors.

Rosella Gennari and Fabio Pittarello

AVI 2026 Program Chairs

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