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Intelligent Technologies for Interactive Entertainment

10th EAI International Conference, INTETAIN 2018
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Proceedings

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Preface

We are delighted to introduce the proceedings of the tenth edition of the 2018 European Alliance for Innovation (EAI) International Conference on Intelligent Technologies for Interactive Entertainment (Intetain). This conference brought together researchers, developers, and practitioners around the world who are leveraging and developing art, design, science, and engineering regarding computer-based systems (algorithms, models, software, and tools) or devices (smartphone, digital cameras, etc.) that provide intelligent human interaction or entertainment experiences.

The technical program of Intetain 2018 consisted of 15 full papers in oral presentation sessions on the following conference topics: (a) artificial intelligence for human interaction or entertainment; (b) artificial intelligence in games, augmented reality, and virtual reality; (c) intelligent human–computer interaction; and (d) other intelligent interaction or entertainment applications; the presentations covered a wide range of areas from smart cities to visual analytics and marketing. In the 2018 edition of Intetain, a workshop entitled Intelligent System and Applications in Health Care (ISA'HEALTH 2018) took place. It addressed not only the improvement in health-care decision processes, but also the influence of entertainment environments in patients' quality of life, both considering the intelligent system perspective. Data science, artificial intelligence, intelligent human–computer interaction, or virtual reality applied to health care were this workshop's main topics. Aside from the high-quality technical paper presentations, the technical program also featured Pregrag K. Nikolic as keynote speaker, the current CEO/Chief Creative Officer of Communications Worldwide Ltd., who also has vast experience in teaching multimedia and interaction-related subjects in several higher-education institutions across Serbia, Norway, Malaysia, Romania, and China.

Steering chair, Imrich Chlamtac, was essential for the success of the conference. We sincerely appreciate his constant support and guidance. It was also a great pleasure to work with an excellent Organizing Committee and we thank them for their hard work in organizing and supporting the conference. This edition of Intetain had the collaboration of Prof. Paulo Cortez and Prof. Luís Magalhães as general co-chairs, Prof. Pedro Branco leading the technical Program Committee responsible for reviewing the papers and demos, Mr. Luís Matos as head of publicity and social media, Prof. Carlos Filipe Portela in charge of workshops, Mr. Pedro Pereira (University of Minho) as Web chair, and Dr. Telmo Adão (INESC TEC and University of Trás-os-Montes e Alto Douro) as publications chair. We would also like to mention Prof. José Machado, Prof. António Abelha, Prof. Manuel Filipe Santos, and Prof. Hugo Peixoto (University of Minho), who – along with Prof. Filipe Portela – contributed to the organization of the ISA'HEALTH 2018 workshop.

We strongly believe that the Intetain conference provides a good forum for all researchers, developers, and practitioners to discuss all scientific and technological aspects relevant to the event's scope. We also expect that future Intetain conferences will be as successful and stimulating as the 2018 edition, with valuable contributions like the ones in this volume.

March 2019

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