Ana Paiva
Rui Prada
Rosalind W. Picard (Eds.)

Affective Computing and Intelligent Interaction

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Second International Conference, ACII 2007
Lisbon, Portugal, September 2007
Proceedings

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Preface

This volume contains the proceedings of the 2nd International Conference on Affective Computing and Intelligent Interaction (ACII 2007) held in Lisbon, Portugal, September 12–14, 2007.

The 1st International Conference on Affective Computing and Intelligent Interaction was held in Beijing, China, in 2005. Following its success, in 2007 ACII was organized by the Humaine Network of Excellence as a meeting point for researchers studying and developing the role of emotion and other affective phenomena in many different areas. Among these areas, ACII 2007 featured papers in affective human–computer and human–robot interaction, computer graphics for recognizing and expressing emotions, emotion-based AI architectures, robotics, vision, speech, synthetic characters, games, educational software, and others. By investigating new theories and mechanisms through which we can create machines that are able to recognize, model and express emotions and other affective phenomena, we hope to contribute towards the creation of machines that allow for the establishment of sustainable and affective relations with humans.

ACII 2007 received a total of 151 papers. From these, 57 were accepted as long papers and 4 as short papers. Due to the high quality of papers, the conference also included poster presentations, which are published as extended abstracts in this volume. Although this is a new multidisciplinary field, the number and quality of submitted and accepted papers was evidence of its rapid maturation.

This year the ACII also featured a Doctoral Consortium, which received 20 papers that were published separately from these proceedings.

We would like to thank a number of people who contributed and helped to guarantee the high quality of the papers, in particular the Program Committee consisting of distinguished researchers who worked hard to meet the tight deadlines we had set for ourselves. Special thanks go to Patricia Lima (from the GAIPS group at INESC-ID) for her extremely efficient work in the organization of the event and to Roddy Cowie (the Humaine coordinator) without whom the organization of the conference would not have been possible.

We hope that the readers of this volume find it helpful, inspiring, and above all, an important reference for the area of affective computing and intelligent interaction.

September 2007

Ana Paiva
Rosalind Picard
Ruth Aylett
Stefanos Kolias
Andrew Ortony
Jianhua Tao
Rui Prada

Organization

ACII 2007 was organized by the Humaine Network of Excellence (funded by the European Commission, http://emotion-research.net/), the GAIPS (Intelligent Agents and Synthetic Characters) group of INESC-ID, and IST (Instituto Superior Técnico) in Portugal in cooperation with ACM/SIGART, ACM/SIGCHI and ACM/SIGGRAPH.

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