

Intelligent Virtual Agents

7th International Working Conference, IVA 2007, Paris, France, September 17-19, 2007, Proceedings

This book constitutes the refereed proceedings of the 7th International Workshop on Intelligent Virtual Agents, IVA 2007, held in Paris, France, September 2007. The 19 revised full papers and 12 revised short papers presented together with five invited talks and the abstracts of 32 poster papers are organized in topical sections on rendering and analysis, culture and identity, behavior models, feedback models, dialogues, applications, evaluation, gaze models and emotions.

The Intelligent Virtual Agents conference started in 1999 in Salford in Manchester, UK. It was a biannual event: in 2001, the conference was held in Madrid, Spain; in 2003 in Irsee, Germany; in 2005 on Kos, Greece. Since IVA 2006 held in Marina del Rey, California, USA, the conference has become an annual event. Intelligent Virtual Agents (IVAs) are autonomous, graphically embodied agents in an interactive, 2D or 3D virtual environment. They are able to interact intelligently with the environment, other IVAs, and especially with human users. The conference is an interdisciplinary forum for researchers and practitioners in computer graphics, animation, computer games, virtual environments, artificial intelligence, natural language processing, cognitive modeling, human-computer interaction and artificial life. Since the first IVA back in 1999, firm lines of research have been established, but there is much that the graphics and AI communities can learn from each other.

This volume contains the proceedings of the Seventh International Conference on Intelligent Virtual Agents, IVA 2007, held in ENST, Paris, France September 17-19. As in 2005 and 2006, IVA hosted the Gathering of Animated Lifelike Agents (GALA 2007), an annual festival to showcase the latest animated lifelike agents created by university students and academic or industrial research groups. IVA 2007 received 100 submissions from all over the world. From these submissions, 19 are published as long and 12 as short papers. In addition, 32 posters were selected for presentation at the poster sessions and are published as 2-page descriptions. Finally, 7 industrialists were invited to demonstrate their products of which short descriptions appear in the proceedings.



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