Renals / Bengio

Machine Learning for Multimodal Interaction

Second International Workshop, MLMI 2005, Edinburgh, UK, July 11-13, 2005, Revised Selected Papers



This book constitutes the thoroughly refereed post-proceedings of the Second International Workshop on Machine Learning for Multimodal Interaction held in July 2005. The 38 revised full papers presented together with two invited papers were carefully selected during two rounds of reviewing and revision. The papers are organized in topical sections on multimodal processing, HCI and applications, discourse and dialogue, emotion, visual processing, speech and audio processing, and NIST meeting recognition evaluation.

This book contains a selection of refereed papers presented at the Second Wo- shop on Machine Learning for Multimodal Interaction (MLMI 2005), held in Edinburgh, Scotland, during 11–13 July 2005. The workshop was organized and sponsored jointly by two European in- grated projects, three European Networks of Excellence and a Swiss national research network: – AMI, Augmented Multiparty Interaction, http://www.amiproject.org/ – CHIL, Computers in the Human Interaction Loop, http://chil.server.de/ – HUMAINE, Human–Machine Interaction Network on Emotion, http:// emotion-research.net/ – PASCAL, Pattern Analysis, Statistical Modeling and Computational Lea- ing, http://www.pascal-network.org/ – SIMILAR, human–machine interfaces similar to human–human communi- tion, http://www.similar.cc/ – IM2,InteractiveMultimodalInformationManagement,http://www.im2.ch/ In addition to the main workshop, MLMI 2005 hosted the NIST (US - tional Institute of Standards and Technology) Meeting Recognition Workshop. This workshop (the third such sponsored by NIST) was centerd on the Rich Transcription 2005 Spring Meeting Recognition (RT-05) evaluation of speech technologies within the meeting domain. Building on the success of the RT-04 springevaluation,theRT-05evaluationcontinuedthespeech-to-textandspeaker diarizationevaluation tasks and addedtwo new evaluation tasks:speechactivity detection and source localization. MLMI 2005 was thus sponsored by the European Commission (Information Society Technologies priority of the Sixth Framework Programme), the Swiss National Science Foundation and the US National Institute of Standards and Technology.

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