

Proceedings of the
26th Benelux Conference on
Artificial Intelligence



BNAIC

Nijmegen, November 6-7, 2014
Franc Grootjen, Maria Otworowska, Johan Kwisthout (eds.)

BNAIC 2014
**Benelux Conference on Artificial
Intelligence**

PROCEEDINGS OF THE TWENTY-SIXTH
BENELUX CONFERENCE ON ARTIFICIAL INTELLIGENCE

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Benelux Conference on Artificial Intelligence (BNAIC) 2014
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Preface

This book contains the proceedings of the 26th edition of the Benelux Conference on Artificial Intelligence. The conference was organized by the Radboud University. The multidisciplinary nature of the field of Artificial Intelligence is visible by the number of research institutes and educational programs from Nijmegen that helped organizing this conference. Researchers from the Donders Institute for Brain, Cognition and Behaviour, the Institute for Computing and Information Sciences, the Centre for Language Studies and SSN Adaptive Intelligence together with lecturers from Artificial Intelligence, Computer Science and Communication and Information Sciences combined their efforts to organize this conference. As usual, the BNAIC was organized under the auspices of the Belgian-Dutch Association for Artificial Intelligence (BNVKI) and the Dutch Research School for Information and Knowledge Systems (SIKS).

The conference aims at presenting an overview of state-of-the-art research in Artificial Intelligence in Belgium, Luxemburg and the Netherlands, but does not exclude contributions from other countries. The received submissions show that AI researchers in the Benelux continue to work actively in many different areas of Artificial Intelligence and are open for new developments in technology and society.

To improve the exchange of ideas between AI researchers in the Benelux we preserved the tradition of accepting more than just regular papers describing original work: like previous years, we accepted extended abstracts describing both recent work published elsewhere as well as demonstrations of intelligent software. Moreover, to allow potential new researchers to get a taste for science, this year we added a special ‘Thesis track’, in which students could submit an extended abstract of their Bachelor or Master thesis. Students that were accepted in this track were invited to prepare a poster presentation of their work.

We received 67 submissions consisting of 24 regular full papers, 28 short papers, and 6 system demonstrations and 9 thesis abstracts. We are grateful to the Program Committee members who carefully reviewed all submissions. The program chairs made the final decisions. The overall acceptance rate was 87% (67% for full papers, 96% for compressed papers, 83% for demos and 100% for thesis abstracts).

There were many people involved in the organization of this conference. Apart from the local organization team we would like to thank all student volunteers, administrative and secretarial assistants and our sponsors. We gratefully acknowledge help from BNVKI board members and previous organizers. Finally, we thank our invited speakers, Simon Colton (Professor of Computational Creativity at Goldsmiths University of London) and Marc Pollefeys (Head of the Institute for Visual Computing at ETH Zürich).

October 2014

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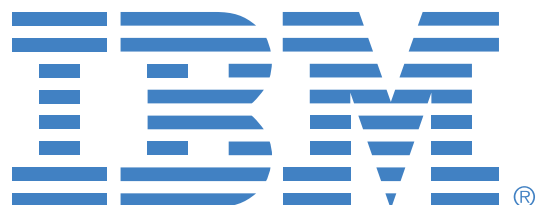
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