

Preface

This special issue contains papers on topics of the workshop

“Weighted Automata: Theory and Applications (WATA 2008)”

which took place at the Technische Universität Dresden, Germany, May 13-16, 2008.

As for its predecessors WATA 2002, WATA 2004, and WATA 2006, the goal of this workshop was to highlight the field of weighted automata, ranging from the theory of formal power series to applications of tree automata, natural language processing, XML, and multi-valued logics.

The workshop was attended by 46 participants from 12 countries. Two tutorials were given by

Z. Ésik (Szeged, Hungary and Tarragona, Spain)
K. Knight (Los Angeles, USA).

In addition, seven invited lectures were presented by

F. Drewes (Umeå, Sweden),	S. Gaubert (Rocquencourt, France),
B. Gerla (Varese, Italy),	W. Kuich (Vienna, Austria),
A. Maletti (Berkeley, USA),	W. Martens (Dortmund, Germany),
G. Rahonis (Thessaloniki, Greece)	

Furthermore, 18 talks were selected as contributed communications.

This workshop was financially supported by the “Gesellschaft von Freunden und Förderern der TU Dresden” and the “International Center for Computational Logic”.

After the workshop, a call for papers for a special issue of “Acta Cybernetica” on “Weighted Automata: Theory and Applications” was issued. Following the standard refereeing procedure, we were pleased to accept the present seven papers for this special issue.

Manfred Droste (Leipzig)
Heiko Vogler (Dresden)

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