

**The 14-th International Conference in Central Europe on  
Computer Graphics, Visualization and Computer Vision 2006**

in co-operation with

**EUROGRAPHICS**

# **W S C G ' 2006**

University of West Bohemia  
Plzen  
Czech Republic

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## **Full Papers Proceedings**

*Co-Chairs*

**Joaquim Jorge, Technical University of Lisboa, Lisboa, Portugal  
Vaclav Skala, University of West Bohemia, Plzen, Czech Republic**

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## FOREWORD

This book contains the abstracts proceedings of WSCG'2006, the 14<sup>th</sup> International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2006. From its humble beginnings as the Winter School of Computer Graphics with about 20 participants from the former Czechoslovakia, in December 1992, it has become a focal point for Computer Graphics Community world-wide. Participants met in the period when the Czechoslovakia was to be split to two countries in January next year. During the past fourteen years, Computer Graphics has evolved into an exciting and diverse field that profoundly affects many aspects of everyday life.

As in previous editions, WSCG'2006 attracted the interest of the Computer Graphics Community, with a high number of paper submissions (296 in total), with contributions from many countries, from all continents which attest to the success and global dimension of the conference. From these, we selected 62 full papers, 28 short communication papers and 21 poster presentations. Each paper was reviewed by at least three experts selected among the 78 International Program Committee members. Complying with tradition, the best papers are published as a regular issue of the Journal of WSCG and all papers are available through the conference Digital Library at [http://wscg.zcu.cz/DL/wscg\\_DL.htm](http://wscg.zcu.cz/DL/wscg_DL.htm). Also, published papers are listed on the major international scientific indexes such as Thomson ISI, which contributes to increasing the visibility of research work for authors. Furthermore, there were two keynote presentations from two distinguished speakers, Reinhard Klein from Bonn University and Gabriel Taubin from Brown University who presented comprehensive surveys and exciting talks addressing both the state of the art and future research directions.

Finally, we would like to express our thanks, first of all, to all the authors who submitted technical papers to WSCG'2006, and to the reviewers whose work and dedication made it possible to put together a very exciting program of high technical quality. We would also like to thank the invited speakers for their invaluable contribution and for sharing their vision in their talks.

The Program Co-Chairs

Joaquim Jorge, Technical University of Lisboa, Portugal  
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