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**Antanas Verikas
Dmitry P. Nikolaev
Petia Radeva
Jianhong Zhou**
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- 2 Target Detection
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- 3 Computer and Image Processing
Aristidis Likas, University of Ioannina (Greece)
- 4 Image Processing Algorithm and Application
Kishor Bhurchandi, Visvesvaraya National Institute of Technology (India)
- 5 Video Analysis and Processing
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- 6 Optical Image and Computer Photography
Johan Debayle, École Nationale Supérieure des Mines (France)
- 7 Artificial Intelligence and Image Processing Technology
Antanas Verikas, Halmstad University (Sweden)
- 8 Image Processing Technology and Method
Jean-Louis Dillenseger, Université de Rennes 1 (France)
- 9 Machine Vision and Visualization
Bogdan Kwolek, AGH University of Science and Technology, Kraków (Poland)

Introduction

For several decades, machine vision has been one of the most active and fascinating areas of research in computer science. A continuous increase in submissions to the International Conference on Machine Vision (ICMV) reflects this fact. The Eleventh International Conference on Machine Vision (ICMV 2018) held 1–3 November 2018, in Munich, Germany, received submissions from researchers all over the world. After a rigorous peer review process, high quality papers were accepted for presentation. In these proceedings, no distinction was made between papers presented by poster or orally.

Topics covered in the proceedings include: image processing algorithms and applications; machine vision applications; video analysis and processing; visual attention modelling; camera positioning and calibration; pattern recognition; object and target detection; intention recognition; feature extraction; machine learning-based approaches to image processing; fuzzy rules-based systems; transfer learning; similarity learning; deep neural networks; and convolutional neural networks.

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Antanas Verikas