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Computer Vision – ACCV 2016 Workshops

ACCV 2016 International Workshops
Taipei, Taiwan, November 20–24, 2016
Revised Selected Papers, Part II
Preface

It is our great pleasure to present the workshop proceedings of three LNCS volumes, which contain the papers carefully reviewed and selected from the 17 workshops that were held in conjunction with the 13th Asian Conference on Computer Vision (ACCV), during November 20–24, 2016, in Taipei, Taiwan. There are 134 papers selected from 223 papers submitted to all the 17 workshops as listed below.

2. Workshop on Assistive Vision: 6 papers
4. Computer Vision Technologies for Smart Vehicle: 7 papers
5. Spontaneous Facial Behavior Analysis: 8 papers
6. 3D Modelling and Applications: 16 papers
7. 4th ACCV Workshop on e-Heritage: 4 papers
8. Multiview Lip-Reading Challenges: 5 papers
9. Workshop on Facial Informatics (WFI): 11 papers
10. Discrete Geometry and Mathematical Morphology for Computer Vision: 4 papers
11. Workshop on Mathematical and Computational Methods in Biomedical Imaging and Image Analysis: 15 papers
12. International Workshop on Driver Drowsiness Detection from Video: 6 papers
13. Workshop on Meeting HCI with CV: 6 papers
14. Workshop on Human Identification for Surveillance (HIS) Methods and Applications: 8 papers
15. Benchmark and Evaluation of Surveillance Task (BEST): 9 papers
16. The Third Workshop on Computer Vision for Affective Computing (CV4AC): 3 papers
17. Workshop on Interpretation and Visualization of Deep Neural Nets: 6 papers

The workshop topics are related to computer vision and its applications, interdisciplinary themes with other application areas, as well as challenges or competitions. Every workshop handles its own paper submission system, and each paper is reviewed by two to three reviewers. We thank all the workshop organizers for their great efforts in holding these successful workshops. We also thank the help of the publication chairs in making this publication possible.

November 2016

Chu-Song Chen
Jiwen Lu
Kai-Kuang Ma
Organization

W01: 3D Modelling and Applications

Chia-Yen Chen National University of Kaohsiung, Taiwan
Min-Chun Hu National Cheng Kung University, Taiwan
Li-Wei Kang National Yunlin University of Science and Technology, Taiwan
Chih-Yang Lin Asia University, Taiwan
Tang-Kai Yin National University of Kaohsiung, Taiwan
Guo-Shiang Lin Da-Yeh University, Taiwan
Chia-Hung Yeh National Sun Yat-Sen University, Taiwan

W02: 4th ACCV Workshop on e-Heritage

Katsushi Ikeuchi Microsoft Research Asia, China
El Mustapha Mouaddib Université de Picardie Jules Verne, France
Takeshi Masuda AIST, Japan
Takeshi Oishi The University of Tokyo, Japan

W03: ACCV 2016 Workshop on Hyperspectral Image and Signal Processing

Keng-Hao Liu National Sun Yat-sen University, Taiwan
Wei-Min Liu National Chung Cheng University, Taiwan

W04: Benchmark and Evaluation of Surveillance Task (BEST)

Xiaokang Yang Shanghai Jiao Tong University, China
Chong-Yang Zhang Shanghai Jiao Tong University, China
Bingbing Ni Shanghai Jiao Tong University, China
Lin Mei The Third Research Institute of the Ministry of Public Security, China

W05: Computer Vision Technologies for Smart Vehicle

Li-Chen Fu National Taiwan University, Taiwan
Pei-Yung Hsiao National University of Kaohsiung, Taiwan
Shih-Shinh Huang National Kaohsiung First University of Science and Technology, Taiwan
W06: Discrete Geometry and Mathematical Morphology for Computer Vision

Jean Cousty  Université Paris-Est, ESIEE Paris, France
Yukiko Kenmochi Université Paris-Est, CNRS, France
Akihiro Sugimoto National Institute of Informatics, Japan

W07: International Workshop on Driver Drowsiness Detection from Video

Chen-Kuo Chiang National Chung Cheng University, Taiwan
Shang-Hong Lai National Tsing Hua University, Taiwan
Michel Sarkis Qualcomm Technologies Inc., USA

W08: Large-Scale 3D Human Activity Analysis Challenge in Depth Videos

Gang Wang Nanyang Technological University, Singapore
Amir Shahroury Nanyang Technological University, Singapore
Jun Liu Nanyang Technological University, Singapore

W09: Multiview Lip-Reading Challenges

Ziheng Zhou University of Oulu, Finland
Guoying Zhao University of Oulu, Finland
Takeshi Saitoh Kyushu Institute of Technology, Japan
Richard Bowden University of Surrey, UK


Radu Timofte ETH Zurich, Switzerland
Luc Van Gool ETH Zurich, Switzerland
Ming-Hsuan Yang University of California at Merced, USA

W11: Spontaneous Facial Behavior Analysis

Xiaopeng Hong University of Oulu, Finland
Guoying Zhao University of Oulu, Finland
Stefanos Zafeiriou Imperial College London, UK
Matti Pietikäinen University of Oulu, Finland
Maja Pantic Imperial College London, UK
W12: The Third Workshop on Computer Vision for Affective Computing (CV4AC)

Abhinav Dhall, Abhinav Dhall, University of Waterloo, Canada
Roland Goecke, University of Canberra/Australian National University, Australia
O.V. Ramana Murthy, Amrita University, India
Jesse Hoey, University of Waterloo, Canada
Nicu Sebe, University of Trento, Italy

W13: Workshop on Assistive Vision

Chetan Arora, Indraprastha Institute of Information Technology, Delhi, India
Vineeth N. Balasubmanian, Indian Institute of Technology, Hyderabad, India
C.V. Jawahar, International Institute of Information Technology, Hyderabad, India
Vinay P. Namboodiri, Indian Institute of Technology, Kanpur, India
Ramanathan Subramanian, International Institute of Information Technology, Hyderabad, India

W14: Workshop on Facial Informatics (WFI)

Gee-Sern (Jison) Hsu, National Taiwan University of Science and Technology, Taiwan
Moi Hoon Yap, Manchester Metropolitan University, UK
Xiaogang Wang, Chinese University of Hong Kong, Hong Kong, SAR China
Su-Jing Wang, Chinese Academy of Science, China
John See, Multimedia University, Malaysia

W15: Workshop on Meeting HCI with CV

Liwei Chan, National Chiao Tung University, Taiwan and Keio Media Design, Japan
Yi-Ping Hung, National Taiwan University, Taiwan

W16: Workshop on Human Identification for Surveillance (HIS): Methods and Applications

Wei-Shi Zheng, Sun Yat-sen University, China
Ruiping Wang, Institute of Computing Technology, Chinese Academy of Sciences, China
Weihong Deng  
Beijing University of Posts and Telecommunications, China

Shenghua Gao  
ShanghaiTech University, China

**W17: Workshop on Interpretation and Visualization of Deep Neural Nets**

Alexander Binder  
Singapore University of Technology and Design, Singapore

Wojciech Samek  
Fraunhofer Heinrich Hertz Institute, Germany

**W18: Workshop on Mathematical and Computational Methods in Biomedical Imaging and Image Analysis**

Atsushi Imiya  
Chiba University, Japan

Xiaoyi Jiang  
Universität Münster, Germany

Hidetaka Hontani  
Nagoya Institute of Technology, Japan
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