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| <i>Yan Zhang, Youyong Kong, Jiasong Wu, Southeast University, China; Gouenou Coatrieux, IMT Atlantique Bretagne Pay de la Loire, France; Huazhong Shu, Southeast University, China</i> | |
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| <i>Carlos Orrite, Miguel Angel Varona, Eduardo Estopiñán, José Ramón Beltrán, University of Zaragoza, Spain</i> | |
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| <i>Zhibin Zhong, Chi Zhang, Yuehu Liu, Xi'an Jiaotong University, China; Ying Wu, Northwestern University, United States</i> | |
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| <i>Shuhei Yokoo, Satoshi Iizuka, Kazuhiro Fukui, University of Tsukuba, Japan</i> | |
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| <i>Thibault Blanc-Beyne, Axel Carlier, Vincent Charvillat, Université de Toulouse - IRIT, France</i> | |
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Fabio A M Cappabianco, Pedro F. O. Ribeiro, Federal University of Sao Paulo, Brazil; Paulo A. V. de Miranda, University of São Paulo, Brazil; Jayaram K Udupa, University of Pennsylvania, United States

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Zikun Liu, Chunyang Li, Yinglu Liu, Zifeng Lian, Samsung Research China-Beijing (SRC-B), China; Yihong Wu, Institute of Automation, Chinese Academy of Sciences, China

MQ.PF.2: PARASITIC GAN FOR SEMI-SUPERVISED BRAIN TUMOR SEGMENTATION 1535

Yi Sun, Chengfeng Zhou, Yanwei Fu, Xiangyang Xue, Fudan University, China

MQ.PF.3: LIP IMAGE SEGMENTATION IN MOBILE DEVICES BASED ON ALTERNATIVE KNOWLEDGE DISTILLATION 1540

Cheng Guan, Shilin Wang, Gongshen Liu, Shanghai Jiaotong University, China; Alan Wee-Chung Liew, Griffith University, Australia

MQ.PF.4: A 3D CROSS-HEMISPHERE NEIGHBORHOOD DIFFERENCE CONVNET FOR CHRONIC STROKE LESION SEGMENTATION 1545

Yan-Ran Wang, Hengkang Wang, Sophia Chen, Adam Martersteck, James Higgins, Northwestern University, United States; Virginia Hill, Northwestern Memorial Hospital, United States; Todd B Parrish, Aggelos Katsaggelos, Northwestern University, United States

MQ.PF.5: SEGMENTATION OF KNEE THERMOGRAMS FOR DETECTING INFLAMMATION 1550

Kakali Das, Mrinal Kanti Bhowmik, Tripura University, India; Dipti Prasad Mukherjee, Indian Statistical Institute, India

MQ.PF.6: ACCURATE 3D CELL SEGMENTATION USING DEEP FEATURES AND CRF REFINEMENT 1555

Jiaxiang Jiang, Po-Yu Kao, University of California, Santa Barbara, United States; Samuel A. Belton, Daniel B. Szymanski, Purdue University, United States; B.S. Manjunath, University of California, Santa Barbara, United States

MQ.PF.7: HIGH-ACCURACY AUTOMATIC PERSON SEGMENTATION WITH NOVEL SPATIAL SALIENCY MAP 1560

Weijuan Xi, Jianhang Chen, Purdue University, United States; Qian Lin, HP Inc., United States; Jan P. Allebach, Purdue University, United States

MQ.PF.8: MOTION SALIENCY BASED GENERATIVE ADVERSARIAL NETWORK FOR UNDERWATER MOVING OBJECT SEGMENTATION 1565

Prashant W Patil, Indian Institute of Technology Ropar, India; Omkar Thawakar, CVPR Lab, IIT Ropar, India, India; Akshay Dudhane, Subrahmanyam Murala, Indian Institute of Technology Ropar, India

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Xi Zhao, Wuhan University, China; Yun Zhang, Wuhan University of Science and Technology, China; Bin Luo, Wuhan University, China

MQ.PG.2: LCUTS: LINEAR CLUSTERING OF BACTERIA USING RECURSIVE GRAPH CUTS 1575

Jie Wang, Tamal Batabyal, Mingxing Zhang, Ji Zhang, Arslan Aziz, Andreas Gahlmann, Scott T. Acton, University of Virginia, United States

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| MQ.PG.5: LEARNING CHAN-VESE | 1590 |
| <i>Orhan Akal, Adrian Barbu, Florida State University, United States</i> | |
| MQ.PG.6: MACHINE-ASSISTED ANNOTATION OF FORENSIC IMAGERY | 1595 |
| <i>Sara Mousavi, Ramin Nabati, Megan Kleeschulte, Dawnie Steadman, Audris Mockus, University of Tennessee, Knoxville, United States</i> | |
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| <i>Sonu Gupta, Deepak Srivatsav, A V Subramanyam, Indraprastha Institute of Information Technology Delhi (IIIT-Delhi), India; Ponnurangam Kumaraguru, Indraprastha Institute of Information Technology Delhi (IIIT-Delhi) and Indraprastha Institute of Information Technology Hyderabad, India</i> | |
| MQ.PG.8: EXPLORING FEATURE REPRESENTATION AND TRAINING STRATEGIES IN TEMPORAL ACTION LOCALIZATION | 1605 |
| <i>Tingting Xie, Queen Mary University of London, United Kingdom; Xiaoshan Yang, Tianzhu Zhang, Changsheng Xu, Institute of Automation, Chinese Academy of Sciences, China; Ioannis Patras, Queen Mary University of London, United Kingdom</i> | |
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| <i>Weining Wang, Junjie Su, Leming Li, Xiangmin Xu, South China University of Technology, China; Jiebo Luo, University of Rochester, United States</i> | |
| TA.PA.2: CAPTURING LONG-RANGE DEPENDENCIES IN VIDEO CAPTIONING | 1880 |
| <i>Jaeyoung Lee, Korea Advanced Institute of Science and Technology, Mofl, Inc., Republic of Korea; Yekang Lee, Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea; Sihyeon Seong, Korea Advanced Institute of Science and Technology, Mofl, Inc., Republic of Korea; Kyungsu Kim, Sungjin Kim, Samsung Research, Republic of Korea; Junmo Kim, Korea Advanced Institute of Science and Technology, Mofl, Inc., Republic of Korea</i> | |
| TA.PA.3: WEAKLY SUPERVISED SEGMENTATION OF CRACKS ON SOLAR CELLS USING NORMALIZED LP NORM | 1885 |
| <i>Martin Mayr, Mathis Hoffmann, Andreas Maier, Vincent Christlein, Friedrich-Alexander University, Germany</i> | |
| TA.PA.4: MEMORY-BASED PARAMETERIZED SKILLS LEARNING FOR MAPLESS VISUAL NAVIGATION | 1890 |
| <i>Yuyang Liu, Chinese Academy of Sciences, University of Chinese Academy of Sciences, China; Yang Cong, State Key Laboratory of Robotics, Shenyang Institute of Automation, Chinese Academy of Sciences, Comoros; Gan Sun, Chinese Academy of Sciences, University of Chinese Academy of Sciences, China</i> | |
| TA.PA.5: CONTEXT-AWARE AUTOMATIC OCCLUSION REMOVAL | 1895 |
| <i>Kumara Kahatapitiya, Dumindu Tissera, Ranga Rodrigo, University of Moratuwa, Sri Lanka</i> | |
| TA.PA.6: GESTURE RECOGNITION USING SPATIOTEMPORAL DEFORMABLE CONVOLUTIONAL REPRESENTATION | 1900 |
| <i>Lei Shi, Yifan Zhang, Institute of Automation, Chinese Academy of Sciences, China; Jing Hu, Power Research Institute of State Grid, Jiangxi Electric Power Company, China; Jian Cheng, Hanqing Lu, Institute of Automation, Chinese Academy of Sciences, China</i> | |

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| TA.PA.7: LAYOUT AND CONTEXT UNDERSTANDING FOR IMAGE SYNTHESIS WITH SCENE GRAPHS | 1905 |
| <i>Arces Talavera, Daniel Tan, National Taiwan University of Science and Technology, Taiwan; Arnulfo Azcarraga, DLSU, Philippines; Kai-Lung Hua, National Taiwan University of Science and Technology, Taiwan</i> | |
| TA.PA.8: AN INTERPRETABLE GENERATIVE MODEL FOR HANDWRITTEN DIGITS SYNTHESIS | 1910 |
| <i>Yao Zhu, University of Southern California, United States; Saksham Suri, Indraprastha Institute of Information Technology Delhi, India; Pranav Kulkarni, Indian Institute of Technology Bombay, India; Yueru Chen, Jiali Duan, C.-C. Jay Kuo, University of Southern California, United States</i> | |
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| <i>Peipei Song, Dan Guo, Haoran Xin, Meng Wang, Hefei University of Technology, China</i> | |
| TA.PB.2: HIGH QUALITY MONOCULAR DEPTH ESTIMATION VIA A MULTI-SCALE NETWORK AND A DETAIL-PRESERVING OBJECTIVE | 1920 |
| <i>Hualie Jiang, Rui Huang, The Chinese University of Hong Kong, Shenzhen, China</i> | |
| TA.PB.3: A HYBRID L 2 – L P VARIATIONAL MODEL FOR SINGLE LOW-LIGHT IMAGE ENHANCEMENT WITH BRIGHT CHANNEL PRIOR | 1925 |
| <i>Gang Fu, Lian Duan, Chunxia Xiao, Wuhan University, China</i> | |
| TA.PB.4: HELP BY PREDICTING WHAT TO DO | 1930 |
| <i>Edoardo Alati, Lorenzo Mauro, Valsamis Ntouskos, Fiora Pirri, University of Rome, Italy</i> | |
| TA.PB.5: IMPLICIT BACKGROUND ESTIMATION FOR SEMANTIC SEGMENTATION | 1935 |
| <i>Charles Lehman, Dogancan Temel, Ghassan AlRegib, Georgia Institute of Technology, United States</i> | |
| TA.PB.6: LEARNING CHOREOGRAPHIC PRIMITIVES THROUGH A BAYESIAN OPTIMIZED BI-DIRECTIONAL LSTM MODEL | 1940 |
| <i>Ioannis Rallis, Nikolaos Bakalos, Nikolaos Doulamis, National Technical University of Athens, Greece; Athanasios Voulodimos, University of West Attica, Greece; Anastasios Doulamis, Eftychios Protopapadakis, National Technical University of Athens, Greece</i> | |
| TA.PB.7: TEXT RECOGNITION IN IMAGES BASED ON TRANSFORMER WITH HIERARCHICAL ATTENTION | 1945 |
| <i>yiwei zhu, shilin wang, zheng huang, kai chen, Shanghai Jiaotong University, China</i> | |
| TA.PB.8: IMPRESSION ESTIMATION FOR DEFORMED PORTRAITS WITH A LANDMARK-BASED RANKING NETWORK | 1950 |
| <i>Mari Miyata, Kiyoharu Aizawa, The University of Tokyo, Japan</i> | |
| TA.PC: CONTENT INTERPRETATION AND UNDERSTANDING I | |
| TA.PC.1: 3D AUDIO-VISUAL SPEAKER TRACKING WITH A TWO-LAYER PARTICLE FILTER | 1955 |
| <i>Hong Liu, Yidi Li, Bing Yang, Peking University, China</i> | |
| TA.PC.2: LEARNING DEFORMABLE HOURGLASS NETWORKS (DHGN) FOR UNCONSTRAINED FACE ALIGNMENT | 1960 |
| <i>Jiaqiang Zhang, Congcong Zhu, Suping Wu, Zhenhua Yu, Xuehong Sun, Hao Liu, Ningxia University, China</i> | |
| TA.PC.3: CLOUDMASKGAN: A CONTENT-AWARE UNPAIRED IMAGE-TO-IMAGE TRANSLATION ALGORITHM FOR REMOTE SENSING IMAGERY | 1965 |
| <i>Sorour Mohajerani, Reza Asad, Kumar Abhishek, Neha Sharma, Alysha van Duynhoven, Parvaneh Saeedi, Simon Fraser University, Canada</i> | |

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| TA.PC.4: CASCADE ATTENTION: MULTIPLE FEATURE BASED LEARNING FOR IMAGE CAPTIONING | 1970 |
| <i>Jiahe Shi, Yali Li, Shengjin Wang, Tsinghua University, China</i> | |
| TA.PC.5: LOOKING-AHEAD: NEURAL FUTURE VIDEO FRAME PREDICTION | 1975 |
| <i>Changxu Zhang, Tong Chen, Haojie Liu, Qiu Shen, Zhan Ma, Nanjing University, China</i> | |
| TA.PC.7: DEPTH FROM SPECTRAL DEFOCUS BLUR | 1980 |
| <i>Shin Ishihara, Tokyo Institute of Technology, Japan; Antonin Sulc, University of Konstanz, Germany; Imari Sato, National Institute of Informatics, Japan</i> | |
| TA.PC.8: SEMI-SUPERVISED DEEP VISION-BASED LOCALIZATION USING TEMPORAL CORRELATION BETWEEN CONSECUTIVE FRAMES | 1985 |
| <i>Chu-Tak Li, Wan-Chi SIU, Daniel P.K. Lun, Hong Kong Polytechnic University, Hong Kong SAR of China</i> | |
| TA.PD: CONTENT INTERPRETATION AND UNDERSTANDING II | |
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| <i>Tin Lay Nwe, Institute for Infocomm Research (I2R), Singapore; Balaji Nataraj, National University of Singapore, Singapore; Shudong Xie, Yiqun Li, Dongyun Lin, Sheng Dong, Institute for Infocomm Research (I2R), Singapore</i> | |
| TA.PD.2: SIMULATION FRAMEWORK FOR A VISUAL-INERTIAL NAVIGATION SYSTEM | 1995 |
| <i>Patrick Irmisch, Dirk Baumbach, Ines Ernst, Anko Börner, German Aerospace Center, Germany</i> | |
| TA.PD.3: OIL TANK DETECTION USING CO-SPATIAL RESIDUAL AND LOCAL GRADATION STATISTIC IN SAR IMAGES | 2000 |
| <i>Libao Zhang, Congyang Liu, Beijing Normal University, China</i> | |
| TA.PD.4: SINGLE-SHOT DETECTOR WITH MULTIPLE INFERENCE PATHS | N/A |
| <i>Shoufa Chen, Xinggang Wang, Huazhong University of Science and Technology, China</i> | |
| TA.PD.5: RECOVERY OF SUBSPACE STRUCTURE FROM HIGH-RANK DATA WITH MISSING ENTRIES | 2010 |
| <i>Manuel Marques, João Carvalho, João Costeira, Instituto Superior Técnico, Lisbon University, Portugal</i> | |
| TA.PD.6: DETECTION OF SMALL ANOMALIES ON MOVING BACKGROUND | 2015 |
| <i>Axel Davy, Agnès Desolneux, Jean-Michel Morel, ENS Paris-Saclay, France</i> | |
| TA.PD.7: NON-CONTACT PHOTOPLETHYSMOGRAM AND INSTANTANEOUS HEART RATE ESTIMATION FROM INFRARED FACE VIDEO | 2020 |
| <i>Natalia Martinez, Martin Bertran, Guillermo Sapiro, Hau Tieng Wu, Duke University, United States</i> | |
| TA.PD.8: GRAPH BASED SKELETON MODELING FOR HUMAN ACTIVITY ANALYSIS | 2025 |
| <i>Jiun-Yu Kao, Antonio Ortega, University of Southern California, United States; Dong Tian, InterDigital, United States; Hassan Mansour; Anthony Vetro, Mitsubishi Electric Research Labs, United States</i> | |
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| <i>Rudrajit Das, Ajit Rajwade, Indian Institute of Technology Bombay, India</i> | |
| TA.PE.2: PROJECTION DESIGN FOR COMPRESSIVE SOURCE SEPARATION USING MEAN ERRORS AND CROSS-VALIDATION | 2035 |
| <i>Dhruv Shah, Ajit Rajwade, Indian Institute of Technology Bombay, India</i> | |

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| <i>Hongqing Liu, Chongqing University of Posts and Telecommunications, China; Lu Gan, Brunel University, London, U.K., United Kingdom; Dong Li, Chongqing University, China; Trieu-Kien Truong, I-Shou University, Taiwan</i> | |
| TA.PE.4: ROBUST SPARSE LEARNING BASED ON KERNEL NON-SECOND ORDER MINIMIZATION | 2045 |
| <i>Miaohua Zhang, Yongsheng Gao, Griffith University, Australia; Changming Sun, CSIRO Data61, Marsfield, Australia; Michael Blumenstein, University of Technology Sydney, Australia</i> | |
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| <i>Zhiyuan Zha, University of Electronic Science and Technology of China, China; Bihan Wen, University of Illinois at Urbana-Champaign, United States; Jiachao Zhang, Nanjing Institute of Technology, China; Jiantao Zhou, University of Macau, China; Ce Zhu, University of Electronic Science and Technology of China, China</i> | |
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| <i>Hiryu Kamoshita, Taisuke Shibata, Daichi Kitahara, Ritsumeikan University, Japan; Ken'ichi Fujimoto, Kagawa University, Japan; Akira Hirabayashi, Ritsumeikan University, Japan</i> | |
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| <i>Aziz Berkay Yesilyurt, Aybuke Erol, Fatih Kamisli, A. Aydin Alatan, Middle East Technical University, Turkey</i> | |
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| <i>Wissam Benjilali, William Guicquero, Univ. Grenoble Alpes, CEA, LETI, F-38000 Grenoble, France., France; Laurent Jacques, ISPGROUP, ICTEAM/ELEN, UCLouvain, Louvain-la-Neuve, Belgium., Belgium; Gilles Sicard, Univ. Grenoble Alpes, CEA, LETI, F-38000 Grenoble, France., France</i> | |
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