This is the Table of Contents for the most recent online-only supplemental issues TOMM, 14(1s) and TOMM, 14(2s). Please find these supplemental issues in the ACM Digital Library and enjoy reading them!

Table of Contents: Online Supplement Volume 14, Number 1s

Special Section on Representation, Analysis and Recognition of 3D Humans

Introduction to the Special Issue on Representation, Analysis, and Recognition of 3D Humans

Stefano Berretti, Mohamed Daoudi, Pavan Turaga, Anup Basu

Article 15

DOI: <https://doi.org/10.1145/3181709>

Representation, Analysis, and Recognition of 3D Humans: A Survey

Stefano Berretti, Mohamed Daoudi, Pavan Turaga, Anup Basu

Article 16

DOI: <https://doi.org/10.1145/3182179>

Deformation-Based 3D Facial Expression Representation

Girum G. Demisse, Djamila Aouada, Björn Ottersten

Article 17

DOI: <https://doi.org/10.1145/3176649>

Texture and Geometry Scattering Representation-Based Facial Expression Recognition in 2D+3D Videos

Yongqiang Yao, Di Huang, Xudong Yang, Yunhong Wang, Liming Chen

Article 18

DOI: <https://doi.org/10.1145/3131345>

Combining Facial Parts For Learning Gender, Ethnicity, and Emotional State Based on RGB-D Information

Safaa Azzakhnini, Lahoucine Ballihi, Driss Aboutajdine

Article 19

DOI: <https://doi.org/10.1145/3152125>

Early Recognition of 3D Human Actions

Sheng Li, Kang Li, Yun Fu

Article 20

DOI: <https://doi.org/10.1145/3131344>

A Unified Framework for Multi-Modal Isolated Gesture Recognition

Jiali Duan, Jun Wan, Shuai Zhou, Xiaoyuan Guo, Stan Z. Li

Article 21

DOI: <https://doi.org/10.1145/3131343>

2018 Copyright is held by the owner/author(s).

1551-6857/2018/05-ART42

<https://doi.org/10.1145/3226039>

Gait Recognition from Motion Capture Data

Michal Balazsia, Petr Sojka

Article 22

DOI: <https://doi.org/10.1145/3152124>**Sequential Articulated Motion Reconstruction from a Monocular Image Sequence**

Yong Su, Zhiyong Feng, Jianhai Zhang, Weilong Peng, Meng Xing

Article 23

DOI: <https://doi.org/10.1145/3180420>**Full 3D Reconstruction of Non-Rigidly Deforming Objects**

Hassan Afzal, Djamila Aouada, Bruno Mirbach, Björn Ottersten

Article 24

DOI: <https://doi.org/10.1145/3177756>**Special Section on Multimedia Computing and Applications of Socio-Affective Behaviors in the Wild**

Introduction to the Special Section on Multimedia Computing and Applications of Socio-Affective Behaviors in the Wild

Fabien Ringeval, Björn Schuller, Michel Valstar, Jonathan Gratch, Roddy Cowie, Maja Pantic

Article 25

DOI: <https://doi.org/10.1145/3181711>Detection of Human, Legitimate Bot, and Malicious Bot in Online Social Networks
Based on Wavelets

Sylvio Barbon Jr, Gabriel F. C. Campos, Gabriel M. Tavares, Rodrigo A. Igawa, Mario L. Proença Jr, Rodrigo Capobianco Guido

Article 26

DOI: <https://doi.org/10.1145/3183506>**Spatially Coherent Feature Learning for Pose-Invariant Facial Expression Recognition**

Feifei Zhang, Qirong Mao, Xiangjun Shen, Yongzhao Zhan, Ming Dong

Article 27

DOI: <https://doi.org/10.1145/3176646>**Table of Contents: Online Supplement Volume 14, Number 2s****Special Section on QoE Management for Multimedia Services**

Guest Editorial: Special Issue on “QoE Management for Multimedia Services”

Lea Skorin-Kapov, Martín Varela, Tobias Hoßfeld, Kuan-Ta Chen

Article 28

DOI: <https://doi.org/10.1145/3192332>**A Survey of Emerging Concepts and Challenges for QoE Management of Multimedia Services**

Lea Skorin-Kapov, Martín Varela, Tobias Hoßfeld, Kuan-Ta Chen

Article 29

DOI: <https://doi.org/10.1145/3176648>

Measuring Individual Video QoE: A Survey, and Proposal for Future Directions Using Social Media
Yi Zhu, Sharath Chandra Guntuku, Weisi Lin, Gheorghita Ghinea, Judith A. Redi

Article 30

DOI: <https://doi.org/10.1145/3183512>

Quality of Experience-Centric Management of Adaptive Video Streaming Services:
Status and Challenges

Stefano Petrangeli, Jeroen van der Hooft, Tim Wauters, Filip De Turck

Article 31

DOI: <https://doi.org/10.1145/3165266>

SABR: Network-Assisted Content Distribution for QoE-Driven ABR Video Streaming
Divyashri Bhat, Amr Rizk, Michael Zink, Ralf Steinmetz

Article 32

DOI: <https://doi.org/10.1145/3183516>

A Generic Approach to Video Buffer Modeling Using Discrete-Time Analysis

Valentin Burger, Thomas Zinner, Lam Dinh-Xuan, Florian Wamser, Phuoc Tran-Gia

Article 33

DOI: <https://doi.org/10.1145/3183511>

Can You See What I See? Quality-of-Experience Measurements of Mobile Live Video Broadcasting

Matti Siekkinen, Teemu Kämäräinen, Leonardo Favario, Enrico Masala

Article 34

DOI: <https://doi.org/10.1145/3165279>

PMS: A Novel Scale-Adaptive and Quality-Adaptive Hybrid P2P/Multisource Solution
for Live Streaming

Joachim Bruneau-Queyreix, Jordi Mongay Batalla, Mathias Lacaud, Daniel Negru

Article 35

DOI: <https://doi.org/10.1145/3183515>

QoE-Aware OTT-ISP Collaboration in Service Management: Architecture and Approaches

Alessandro Floris, Arslan Ahmad, Luigi Atzori

Article 36

DOI: <https://doi.org/10.1145/3183517>

Special Section on Multimedia Understanding via Multimodal Analytics

Guest Editorial: Special Section on “Multimedia Understanding via Multimodal Analytics”

Yan Yan, Liqiang Nie, Rita Cucchiara

Article 37

DOI: <https://doi.org/10.1145/3192334>

Multimodal Multiplatform Social Media Event Summarization

Akanksha Tiwari, Christian von der Weth, Mohan S. Kankanhalli

Article 38

DOI: <https://doi.org/10.1145/3115433>

Structure-Aware Multimodal Feature Fusion for RGB-D Scene Classification and Beyond
Anran Wang, Jianfei Cai, Jiwen Lu, Tat-Jen Cham

Article 39

DOI: <https://doi.org/10.1145/3115932>

Image Captioning with Deep Bidirectional LSTMs and Multi-Task Learning
Cheng Wang, Haojin Yang, Christoph Meinel

Article 40

DOI: <https://doi.org/10.1145/3115432>

Toward Personalized Activity Level Prediction in Community Question Answering Websites
Zhenguang Liu, Yingjie Xia, Qi Liu, Qinming He, Chao Zhang, Roger Zimmermann

Article 41

DOI: <https://doi.org/10.1145/3187011>