<table>
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<tr>
<th>Date: Tuesday, 27/Oct/2020</th>
<th>Session: BP: Best Paper Session</th>
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<tr>
<td>10:30am - 12:30pm</td>
<td>Goldsmith Hall 3</td>
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<tr>
<td>1:30pm - 4:00pm</td>
<td>S1-CMA: Cross Modal Analysis</td>
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<td>1:30pm - 4:00pm</td>
<td>SS-HCCR: SS-HCCR</td>
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<tr>
<td>Date: Wednesday, 28/Oct/2020</td>
<td>Session Chair: Klaus Schoeffmann</td>
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<td>10:30am - 12:30pm</td>
<td>S2-Apps: Applications</td>
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<td>10:30am - 12:30pm</td>
<td>SS-ADL: Activities of Daily Living</td>
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<td>1:30pm - 3:30pm</td>
<td>DC: Doctoral Consortium Session</td>
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<td>1:30pm - 3:30pm</td>
<td>Demo: Demo Session</td>
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<td>1:30pm - 3:30pm</td>
<td>Poster: Poster Session</td>
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<td>4:00pm - 6:00pm</td>
<td>BNI: Brave New Ideas</td>
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<tr>
<td>Date: Thursday, 29/Oct/2020</td>
<td>Session Chair: Klaus Schoeffmann</td>
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<td>10:30am - 12:30pm</td>
<td>S3-Ret: Retrieval</td>
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<td>SS-MIRUD: SS-MIRUD</td>
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<td>1:30pm - 3:30pm</td>
<td>S4-Enrich: Semantic Enrichment</td>
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<td>1:30pm - 3:30pm</td>
<td>SS-KDARM2: SS-KDARM2</td>
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Presentations

BP: Best Paper Session
Time: Tuesday, 27/Oct/2020: 10:30am - 12:30pm · Location: Goldsmith Hall 3
Session Chair: Klaus Schoeffmann

Visual Relations Augmented Cross-modal Retrieval
Yutian Guo¹, Jingjing Chen¹, Hao Zhang², Yu-Gang Jiang¹
¹Fudan University, China; ²City University of Hong Kong, China; 18210860020@fudan.edu.cn

Multimodal Analytics for Real-world News using Measures of Cross-modal Entity Consistency
Eric Müller-Budack¹, Jonas Theiner², Sebastian Diering³, Maximilian Idahl³, Ralph Ewerth¹,³
¹TIB - Leibniz Information Centre of Science and Technology; ²Leibniz Universität Hannover; ³L3S Research Center, Leibniz Universität Hannover; eric.mueller@tib.eu

Human Object Interaction Detection via Multi-level Conditioned Network
Xu Sun¹,², Xinwen Hu¹, Tongwei Ren¹, Gangshan Wu¹
¹State Key Laboratory for Novel Software Technology, Nanjing University, China; ²Shenzhen Research Institute of Nanjing University, Shenzhen, China; sunx@smail.nju.edu.cn

Explaining with Counter Visual Attributes and Examples
Sadaf Gulshad, Arnold Smeulders
UvA-Bosch Delta Lab, University of Amsterdam, Netherlands, The; s.gulshad@uva.nl
S1-CMA: Cross Modal Analysis

Time: Tuesday, 27/Oct/2020: 1:30pm - 4:00pm - Location: Goldsmith Hall 3

Deep Semantic-Alignment Hashing for Unsupervised Cross-Modal Retrieval

Dejie Yang1,2, Dayan Wu1, Wanqian Zhang1,2, Haisu Zhang3, Bo Li1, Weiping Wang1
1Institute of Information Engineering, Chinese Academy of Sciences; 2School of Cyber Security, University of Chinese Academy of Sciences; 3National University of Defense Technology; yangdejie@iie.ac.cn

Forward and Backward Multimodal NMT for Improved Monolingual and Multilingual Cross-Modal Retrieval

Po-Yao Huang1, Xiaojun Chang2, Alexander Hauptmann1, Eduard Hovy1
1Carnegie Mellon University, United States of America; 2Monash University, Australia; poyaoh@cs.cmu.edu

Heterogeneous Non-Local Fusion for Multimodal Activity Recognition

Petr Byvshev1, Pascal Mettes2, Yu Xiao1
1Aalto University, Finland; 2University of Amsterdam, Netherlands; petr.byvshev@aalto.fi

Trajectory Prediction Network for Future Anticipation of Ships

Pim F. Dijt, Pascal S. M. Mettes
University of Amsterdam, Netherlands, The; pimdijt@gmail.com
Visible-infrared Person Re-identification via Colorization-based Siamese Generative Adversarial Network
Xian Zhong¹, Tianyou Lu¹, Wenxin Huang², Jingling Yuan¹, Wenzuan Liu¹, Chia-Wen Lin³
¹Wuhan University of Technology; ²Wuhan University; ³National Tsing Hua University; wenxin.huang@whu.edu.cn

iCap: Interactive Image Captioning with Predictive Text
Zhengxiong Jia, Xirong Li
Renmin University of China, China, People's Republic of; zhengxiongjia@ruc.edu.cn

Multi-Attention Multimodal Sentiment Analysis
Taeyong Kim¹, Bowon Lee²
¹Hyundai Robotics, Korea, Republic of (South Korea); ²Inha University, Korea, Republic of (South Korea); bowon.lee@inha.ac.kr

MAENet: Boosting Feature Representation for Cross-Modal Person Re-Identification with Pairwise Supervision
yongbiao chen, sheng zhang, zhengwei qi
shanghai jiaotong university; chenyongbiao0319@sjtu.edu.cn
S2-Apps: Applications

Time: Wednesday, 28/Oct/2020: 10:30am - 12:30pm · Location: Goldsmith Hall 3

Knowledge Enhanced Neural Fashion Trend Forecasting
Yunshan Ma¹, Yujuan Ding², Lizi Liao¹, Xun Yang¹, Wai Keung Wong³, Tat-Seng Chua¹
¹National University of Singapore; ²The Hong Kong Polytechnic University; ³yunshan.ma@u.nus.edu

Learning to Select Elements for Graphic Design
Guolong Wang¹, Zheng Qin¹, Junchi Yan³, Liu Jiang¹
¹Tsinghua University; ²Shanghai Jiao Tong University; wanggl16@mails.tsinghua.edu.cn

Actor-Critic Sequence Generation for Relative Difference Captioning
Zhengcong Fei
Chinese Academy of Sciences, China, People's Republic of; feizhengcong19s@ict.ac.cn

Interactivity Proposals for Surveillance Videos
Shuo Chen, Pascal Mettes, Tao Hu, Cees Snoek
University of Amsterdam; s.chen3@uva.nl
SS-ADL: Activities of Daily Living

Time: Wednesday, 28/Oct/2020: 10:30am - 12:30pm
Location: Goldsmith Hall 2

Anomaly Detection in Traffic Surveillance Videos with GAN-based Future Frame Prediction
Khac-Tuan Nguyen1,2, Dat-Thanh Dinh1,2, Minh Do2, Minh-Triet Tran1,2
1University of Science; 2Vietnam National University Ho Chi Minh city; 3University of Illinois at Urbana-Champaign; tmtriet@fit.hcmus.edu.vn

Incorporating Semantic Knowledge for Visual Lifelog Activity Recognition
Min-Huan Fu1, An-Zi Yen1, Hen-Hsen Huang2,3, Hsin-Hsi Chen1,3
1Department of Computer Science and Information Engineering, National Taiwan University, Taipei, Taiwan; 2Department of Computer Science, National Chengchi University, Taipei, Taiwan; 3MOST Joint Research Center for AI Technology and All Vista Healthcare, Taiwan; azyen@nlig.csie.ntu.edu.tw

Multi-level Recognition on Falls from Activities of Daily Living
Jiawei Li1,3, Shu-Tao Xia2,3, Qianggang Ding1,3
1Department of Computer Science and Technology, Tsinghua University; 2Center of Communications and Networks, PengCheng Laboratory; 3Tsinghua Shenzhen International Graduate School, Tsinghua University; li-jw15@mails.tsinghua.edu.cn

Intelligent Task Recognition: Towards Enabling Productivity Assistance in Daily Life
Jonathan Liono1, Mohammad Saiedur Rahaman1, Flora D. Salim1, Yongli Ren1, Damiano Spina1, Falk Scholer1,
Johanne R. Trippas1, Mark Sanderson1, Paul N. Bennett2, Ryan W. White1
1RMIT University, Melbourne, VIC, Australia; 2Microsoft Research AI, Redmond, WA, USA; saiedur.rahaman@rmit.edu.au

Flood Level Estimation from Social Media Images with Pose Estimation
Khanh-An C. Quan1,4, Vinh-Tiep Nguyen1,4, Tam Nguyen1, Minh-Triet Tran1,4
1University of Information Technology; 2University of Science; 3Dayton University; 4Vietnam National University Ho Chi Minh city; tmtriet@fit.hcmus.edu.vn

Continuous Health Interface Event Retrieval
Vaibhav Pandey, Nitish Nag, Ramesh Jain
University of California, Irvine, United States of America; vaibhap1@uci.edu
DC: Doctoral Conosortium Session
Time: Wednesday, 28/Oct/2020: 1:30pm - 3:30pm · Location: Goldsmith Hall 2
Session Chair: Klaus Schoeffmann

Enabling Relevance-based Exploration of Cataract Videos
Negin Ghamsarian
Klagenfurt University, Austria; negin@itec.aau.at

An Interactive Learning System for Large Scale Multimedia Analytics
Omar Shahbaz Khan
IT University of Copenhagen, Denmark; omshi@itu.dk

Object Detection for Unseen Domains while Reducing Response Time using Knowledge Transfer in Multimedia Event Processing
Asra Aslam
NUI Galway, Ireland; asra.aslam@insight-centre.org
Demo: Demo Session

Time: Wednesday, 28/Oct/2020: 1:30pm - 3:30pm · Location: Goldsmith Hall 3

surgXplore: Interactive Video Exploration for Endoscopy
Andreas Leibetseder, Klaus Schoeffmann
Klagenfurt University, Austria; aleibets@itec.aau.at

A framework for paper submission recommendation system
Binh Thanh Nguyen1,5,6, Cuong Viet Dinh1,6, Dac Huu Nguyen1,5, Son Thanh Huynh1,5, Phong Tan Huynh1,5, Cathal Gurrin2, Minh-Son Dao3, Duc Tien Dang Nguyen4
1University of Science, Ho Chi Minh City, Vietnam; 2Dublin City University; 3National Institute of Information and Communications Technology, Tokyo; 4University of Bergen; 5AISIA Research Lab; 6Vietnam National University in Ho Chi Minh City; ngtbinh@hcmus.edu.vn

An Interactive Multimodal Retrieval System for Memory Assistant and Life Organized Support
Van-Luong Tran1, Anh-Vu Mai-Nguyen1, Trong-Dat Phan1, Anh-Khoa Vo1, Minh-Son Dao1, Koji Zettsu2
1University of Science, VN-U-HCMC; 2NICT; phantrdat97@gmail.com

An active learning framework for duplicate detection in SaaS platform
Binh Thanh Nguyen1,2,3,7, Quy Hong Nguyen2, Dac Huu Nguyen1,2,3, Duc Tien Dang Nguyen2, Minh-Son Dao4, Cathal Gurrin2
1University of Science, Ho Chi Minh City, Vietnam; 2Inspectorio Research Lab; 3AISIA Research Lab; 4National Institute of Information and Communications Technology; 5University of Bergen; 6Dublin City University; 7Vietnam National University in Ho Chi Minh City; ngtbinh@hcmus.edu.vn

Music Tower Blocks: Multi-Faceted Exploration Interface for Web-Scale Music Access
Markus Schedl1,2, Michael Mayr1, Peter Knees3
1JKU Linz, Austria; 2Linz Institute of Technology, AI Lab; 3TU Wien, Austria; markus.schedl@jku.at

SenseMood: Depression Detection on Social Media
Chenhao Lin1, Pengwei Hu2, Hui Su2, Shaochun Li2, Jing Mei2, Jie Zhou2, Henry Leung4
1Xi’an JiaoTong University, China, People’s Republic of; 2IBM Research, China; 3Pattern Recognition Center, Wechat Al, Tencent Inc, China; 4Department of Electrical and Computer Engineering, University of Calgary, Canada; linchenhao1989@gmail.com

Detection of semantic risk situations in lifelog data for improving life of frail people
Thinhinane Yebda1, Marion Pech2, Jenny Benoist-Pineau1, Hélène Amiève3, Cathal Gurrin3
1LaBRI, Université de Bordeaux, France; 2BPH, Université de Bordeaux, France; 3Dublin City University; thinhinane.yebda@u-bordeaux.fr

Automatic Reminiscence Therapy for Dementia
Mariona Carós Roca1, Xavier Giró-i-Nieto1, Petia Radeva2, Maite Garolera3
1Universitat Politecnica de Catalunya; 2Universitat de Barcelona; 3Consorci Sanitari de Terrassa; marionacaros@gmail.com
Poster: Poster Session

**A Crowd Analysis Framework for Detecting Violence Scenes**
Konstantinos Gkountakos, Konstantinos Ioannidis, Theodora Tsikrika, Stefanos Vrochidis, Ioannis Kompatsiaris
Information Technologies Institute Centre for Research and Technology Hellas; gountakos@iti.gr

Towards evaluating and simulating keyword queries for development of interactive known-item search systems
Ladislav Peska, Frantisek Mejlík, Tomas Soucek, Jakub Lokoc
Dept. of Software Engineering, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic; peska@ksi.mff.cuni.cz

Itinerary Planning via Deep Reinforcement Learning
Shengxin Chen1,2, Bo-Hao Chen2, Zhaojing Chen1, Yunbing Wu1
1College of Mathematics and Computer Science, Fuzhou University, China; 2Department of Computer Science and Engineering, Yuan Ze University, Taiwan; bhchen@saturn.yzu.edu.tw

Confidence-based Weighted Loss for Multi-label Classification with Missing Labels
Karim M. Ibrahim1,2, Elena V. Epure2, Geoffroy Peeters1, Gaël Richard1
1Telecom Paris; 2Deezer; karim.m.ibraheem@gmail.com

Learning Fine-grained Similarity Matching Networks for Visual Matching
Dawei Zhang, Zhonglong Zheng, Xiaowei He, Liu Su, Liyuan Chen
Zhejiang Normal University, China; davidzhang@zjnu.edu.cn

Semantic Gated Network for Efficient News Representation
Xuxiao Bu1,2, Bingfeng Li2, Yaxiong Wang1, Jihua Zhu1, Xueling Qian1, Marco Zhao2
1Xi'an Jiaotong University, China, People's Republic of; 2Tencent Company, China, People's Republic of; bo951024@stu.xjtu.edu.cn

Reducing Response Time for Multimedia Event Processing using Domain Adaptation
Asra Aslam, Edward Curry
Insight Centre for Data Analytics, NUI Galway, Ireland; asra.aslam@insight-centre.org

Are You Watching Closely? Content-based Retrieval of Hand Gestures
Mahnaz Amiri Parian1,3, Luca Rossetto2, Heiko Schuldt1, Stéphane Dupont3
1University of Basel, Switzerland; 2University of Zurich, Switzerland; 3University of Mons, Belgium; mahnaz.amiriparian@unibas.ch

Query-controllable Video Summarization
Jia-Hong Huang, Marcel Worring
University of Amsterdam; j.huang@uva.nl

PredNet and Predictive Coding: A Critical Review
Roshan Prakash Rane1, Edit Szügyi1, Vageesh Saxena1, André Ofner1, Sebastian Stober2
1University of Potsdam, Germany; 2Otto von Guericke University Magdeburg, Germany; szugyiedit@gmail.com

Super-Resolution Coding Defense against Adversarial Examples
Yanjie Chen1,2,3, Likun Cai1,2,3, Wei Cheng4, Hao Wang1
1School of Information Science and Technology, ShanghaiTech University; 2Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences; 3University of Chinese Academy of Sciences; 4NEC Laboratories, America; chenyanjie06@gmail.com

At the Speed of Sound: Efficient Audio Scene Classification
Bo Dong1, Cristian Lumezanu1, Yuncong Chen1, Dongjin Song1, Takehiko Mizoeguchi1, Hailong Chen1, Latifur Khan2
1NEC Laboratories America, United States of America; 2University of Texas, Dallas; lume@nec-labs.com

Imageability Estimation using Visual and Language Features
Chihaya Matsuhira1, Marc A. Kastner1, Ichiro Ide1, Yasutomo Kawanishi1, Takatsugu Hirayama1, Keisuke Doman1, Daisuke Deguchi1, Hiroshi Murase1
1Nagoya University, Japan; 2Chukyo University, Japan; matsuhiraac@murase.m.is.nagoya-u.ac.jp
Image Retrieval using Multi-scale CNN Features Pooling
Federico Vaccaro, Marco Bertini, Tiberio Uricchio, Alberto Del Bimbo
Universita di Firenze - MICC, Italy; marco.bertini@unifi.it

Analysis of the Effect of Dataset Construction Methodology on Transferability of Music Emotion Recognition Models
Sabina Hult, Line Bay Kreiberg, Sami Sebastian Brandt, Björn Pór Jónsson
IT-University of Copenhagen, Denmark; codebyrd@outlook.com

Continuous ODE-defined Image Features for Adaptive Retrieval
Fabio Carrara, Giuseppe Amato, Fabrizio Falchi, Claudio Gennaro
ISTI CNR, Italy; fabio.carrara@isti.cnr.it

System Fusion with Deep Ensembles
Liviu-Daniel Ştefan, Mihai Gabriel Constantin, Bogdan Ionescu
University Politehnica of Bucharest, Romania; stefan.liviu.daniel@gmail.com

One Shot Logo Recognition Based on Siamese Neural Networks
Camilo Vargas, Qianni Zhang, Ebroul Izquierdo
Queen Mary University of London, United Kingdom; c.j.vargascorpes@qmul.ac.uk

Visual Story Ordering with a Bidirectional Writer
Wei-Rou Lin1, Hen-Hsen Huang2, Hsin-Hsi Chen3
1Department of Computer Science and Information Engineering, National Taiwan University, Taiwan; 2Department of Computer Science, National Chengchi University, Taiwan; 3Department of Computer Science, National Taiwan University, Taiwan; hhhuangst@nccu.edu.tw

SalientEye: Maintaining artistic style while maximizing engagement on Instagram using deep neural networks
Lili Wang, Ruibo Liu, Soroush Vosoughi
Dartmouth College; lili.wang.qr@dartmouth.edu

Search Result Clustering in Collaborative Sound Collections
Xavier Favory, Frederic Font, Xavier Serra
Music Technology Group - Universitat Pompeu Fabra; xavier.favory@upf.edu

DAGC: Employing Dual Attention and Graph Convolution for Point Cloud based Place Recognition
Qi Sun1, Hongyan Liu2, Jun He3, Zhaoxin Fan4, Xiaoyong Du5
1Renmin University of China; 2Tsinghua University, China; ssg@ruc.edu.cn

Attention Mechanisms, Signal Encodings and Fusion Strategies for Improved Ad-hoc Video Search with Dual Encoding Networks
Damianos Galanopoulos, Vasileios Mezaris
CERTH-ITI, Greece; dgalanop@iti.gr

EfficientFAN: Deep Knowledge Transfer for Face Alignment
Pengcheng Gao, Ke Lu, Jian Xue
University of Chinese Academy of Sciences, China, People’s Republic of; xuejian@ucas.ac.cn

Efficient Base Class Selection Algorithms for Few-shot Classification
Takumi Ohkuma, Hideki Nakayama
The University of Tokyo, Japan; ohkuma@nlab.ci.i.u-tokyo.ac.jp

Emotion Recognition from Galvanic Skin Response Signal Based on Deep Hybrid Neural Networks
Imam Yogie Susanto1, Tse-Yu Pan1, Chien-Wen Chen2, Min-Chun Hu3, Wen-Huang Cheng3
1National Tsing Hua University, Taiwan; 2National Cheng Kung University, Taiwan; 3National Chiao Tung University, Taiwan; typan@mx.nthu.edu.tw
BNI: Brave New Ideas

Time: Wednesday, 28/Oct/2020: 4:00pm - 6:00pm · Location: Goldsmith Hall 3

Automatic Evaluation of Iconic Image Retrieval based on Colour, Shape, and Texture
Riku Togashi1,2,3, Sumio Fujita2, Tetsuya Sakai1
1Waseda University; 2Yahoo Japan Corporation; 3Mercari, Inc.; kaminari44@gmail.com

HLVU: A new challenge to test deep understanding of movies the way humans do
Keith Curtis, George Awad, Shahzad Rajput, Ian Soboroff
National Institute of Standards and Technology, United States of America; keith.curtis@nist.gov

On visualizations in the role of universal data representation
Tomas Skopal
Charles University, Czech Republic; skopal@ksi.mff.cuni.cz
S3-Ret: Retrieval

Time: Thursday, 29/Oct/2020: 10:30am - 12:30pm  ·  Location: Goldsmith Hall 3

Sentence-based and Noise-robust Cross-modal Retrieval on Cooking Recipes and Food Images

Zichen Zan¹, Lin Li², Jianquan Liu³
¹Wuhan University of Technology, China, People’s Republic of; ²Wuhan University of Technology, China, People’s Republic of; ³NEC Corporation; zan1996@whut.edu.cn

QIK: A System for Large-Scale Image Retrieval on Everyday Scenes With Common Objects

Arun Zachariah, Mohamed Gharibi, Praveen Rao
University of Missouri-Kansas City, United States of America; raopr@umkc.edu

Deep Discrete Attention Guided Hashing for Face Image Retrieval

Zhi Xiong¹,², Dayan Wu¹, Wen Gu¹,², Haisu Zhang³, Bo Li¹, Weiping Wang¹
¹Institute of Information Engineering, Chinese Academy of Science, Beijing, China; ²School of Cyber Security, University of Chinese Academy of Sciences Beijing, China; ³College of Information and Communication, National University of Defense Technology, Wuhan, China; xiongzhi@iie.ac.cn

Image Synthesis from Locally Related Texts

Tianrui Niu, Fangxiang Feng, Lingxuan Li, Xiaojie Wang
Beijing University of Posts and Telecommunications, China; niwtr@bupt.edu.cn
SS-MIRUD: SS-MIRUD

Time: Thursday, 29/Oct/2020: 10:30am - 12:30pm · Location: Goldsmith Hall 2

Detecting, Classifying, and Mapping Retail Storefronts Using Street-level Imagery
Shahin Sharifi Noorian, Sihang Qiu, Achilleas Psyllidis, Alessandro Bozzon, Geert-Jan Houben
Tu Delft, Netherlands, The; s.sharifinoorian@tudelft.nl

Urban Movie Map for Walkers: Route View Synthesis using 360° Videos
Naoki Sugimoto¹, Toru Okubo², Kiyoharu Aizawa¹
¹The University of Tokyo, Japan; ²VTEC Laboratories Inc.; sugimoto@hal.t.u-tokyo.ac.jp

Urban Object Detection Kit: A System for Collection and Analysis of Street-Level Imagery
Maarten Sukel¹², Stevan Rudinac¹, Marcel Worring¹
¹University of Amsterdam; ²City of Amsterdam; maartensukel@gmail.com
S4-Enrich: Semantic Enrichment

Time: Thursday, 29/Oct/2020: 1:30pm - 3:30pm  ·Location: Goldsmith Hall 3

Automatic color scheme extraction from movies
Suzi Kim, Sunghee Choi
KAIST; kim.suzi.89@gmail.com

Compact Network Training for Person ReID
Hussam Lawen, Avi Ben-Cohen, Matan Protter, Itamar Friedman, Lihi Zelnik-Manor
Machine Intelligence Technology, DAMO Academy, Alibaba Group; avi.bencohen@alibaba-inc.com

Google Helps YouTube: Learning Few-Shot Video Classification from Historic Tasks and Cross-Domain Sample Transfer
Xinzhe Zhou, Yadong Mu
Wangxuan Institute of Computer Technology, Peking University, Beijing, China; zhouxinzhe1023@pku.edu.cn

iSparse: Output Informed Sparsification of Neural Networks
Yash Garg, K. Selcuk Candan
Arizona State University, United States of America; ygarg@asu.edu
SS-KDARM2: SS-KDARM2

Time: Thursday, 29/Oct/2020: 1:30pm - 3:30pm · Location: Goldsmith Hall 2

YOLO-mini-tiger: Amur Tiger Detection
Runchen Wei¹, Ning He², Ke Lu³
¹Beijing Union University, People's Republic of China; ²Beijing Union University, People's Republic of China; ³University of Chinese Academy of Sciences, People's Republic of China; xthening@bsu.edu.cn

Deep Adversarial Discrete Hashing for Cross-Modal Retrieval
Cong Bai¹, Chao Zeng¹, Qing Ma¹, Jinglin Zhang², Shengyong Chen³
¹Zhejiang University of Technology, China, People's Republic of; ²Nanjing University of Information Science and Technology, China, People's Republic of; ³University of Chinese Academy of Sciences, People's Republic of; congbai@zjut.edu.cn

A Lightweight Gated Global Module for Global Context Modeling in Neural Networks
Li Hao, Liping Hou, Yuantao Song, Ke Lu, Jian Xue
University of Chinese Academy of Sciences, China, People's Republic of; xuejian@ucas.ac.cn

Knowledge-driven Multimodal Graph Convolutional Networks for Fake News Detection
Youze Wang¹, Shengsheng Qian², Jun Hu¹, Quan Fang², Changsheng Xu¹,²
¹HeFei University of Technology, Hefei,China; ²National Lab of Pattern Recognition,Institute of Automation,Chinese Academy of Sciences,Beijing,China; wangyouze6889@163.com

A Lightweight High-resolution Representation Backbone for Real-time Keypoint-based Object Detection
Jiansheng Dong, Jingling Yuan, Lin Li, Xian Zhong
武汉理工大学, China, People's Republic of; yjl@whut.edu.cn

Multi-Graph Group Collaborative Filtering
Bo Jiang
Nanjing University of Science and Technology, China, People's Republic of; zetajiang@njust.edu.cn

Rank-embedded Hashing for Large-scale Image Retrieval
Haiyan Fu¹, Ying Li², Hengheng Zhang³, Jinfeng Liu¹, Tao Yao⁴
¹School of Information and Communication Engineering, Dalian University of Technology, Dalian, 116024, China; ²School of Computer Science and Technology, Nanjing Normal University, Nanjing, 210046, China; ³Department of Computer Science, University of Texas at San Antonio, Texas, 78249, USA; ⁴Department of Information and Electrical Engineering, LuDong University, Yantai, 264025, China; freeliying08@gmail.com

A Coordinated Representation Learning Enhanced Multimodal Machine Translation Approach with Multi-Attention
Yifeng Han¹, Lin Li², Jianwei Zhang²
¹Wuhan University of Technology; ²Iwate University; tahanyifeng1110@163.com