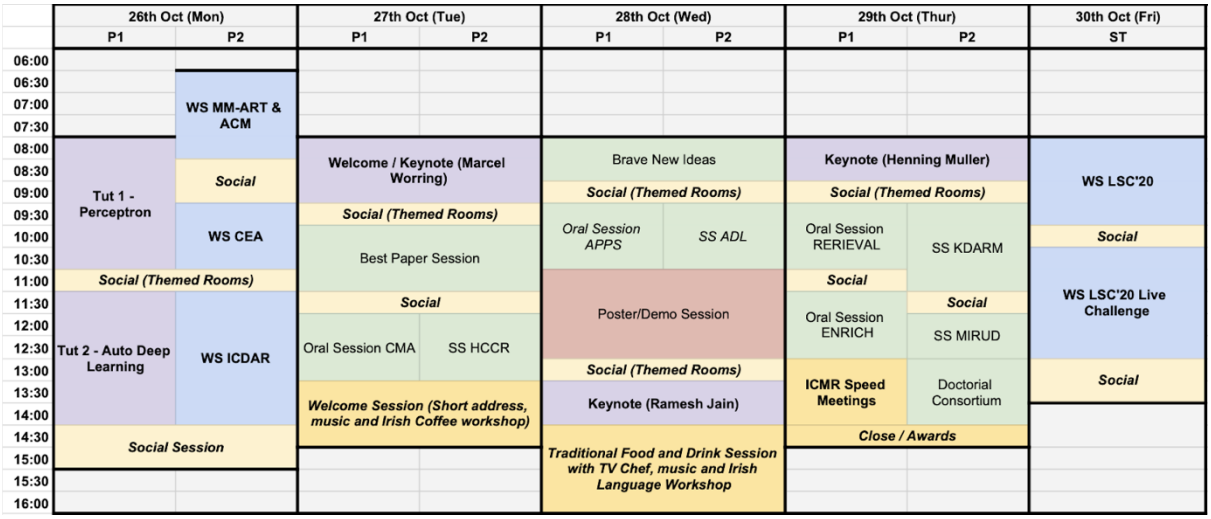
ACM ICMR'20
(26-30 October 2020)

Conference Schedule



	26th Oct (Mon)		27th Oct (Tue)		28th Oct (Wed)		29th Oct (Thur)		30th Oct (Fri)
	P1	P2	P1	P2	P1	P2	P1	P2	ST
06:00									
06:30		WS MM-ART & ACM							
07:00									
07:30									
08:00	Tut 1 - Perceptron		Welcome / Keynote (Marcel Worring)		Brave New Ideas		Keynote (Henning Muller)		WS LSC'20
08:30		Social			Social (Themed Rooms)		Social (Themed Rooms)		
09:00									
09:30		WS CEA	Social (Themed Rooms)		Oral Session APPS	SS ADL	Oral Session RERIEVAL	SS KDARM	Social
10:00			Best Paper Session						
10:30									
11:00	Social (Themed Rooms)						Social		WS LSC'20 Live Challenge
11:30	Tut 2 - Auto Deep Learning	WS ICDAR	Social		Poster/Demo Session		Oral Session ENRICH	Social	
12:00								SS MIRUD	
12:30			Oral Session CMA	SS HCCR					
13:00					Social (Themed Rooms)		ICMR Speed Meetings	Doctorial Consortium	Social
13:30			Welcome Session (Short address, music and Irish Coffee workshop)		Keynote (Ramesh Jain)				
14:00									
14:30	Social Session				Traditional Food and Drink Session with TV Chef, music and Irish Language Workshop		Close / Awards		
15:00									
15:30									
16:00									

Important Links:

- **OnAir Platform**: https://portalapp.abbey.eventsair.com/VirtualAttendeePortal/icmr-2020/virtual-platform/

- **ACM Digital Library ICMR'20**: https://dl.acm.org/doi/proceedings/10.1145/3372278

- **MM ART & ACM Workshop**: https://dl.acm.org/doi/proceedings/10.1145/3379173
- **CEA Workshop**: https://dl.acm.org/doi/10.1145/3379174.3392319
- **ICDAR Workshop**: https://dl.acm.org/doi/proceedings/10.1145/3379174
- **LSC'20 Workshop**: https://dl.acm.org/doi/proceedings/10.1145/3379172

Monday 26th October

MM ART & ACM Workshop

Time: Monday, 26/Oct/2020: 06:30 - 8:30
https://dl.acm.org/doi/proceedings/10.1145/3379173

06:30: Welcome Address

Session 1 Chair: *Toshihiko Yamasaki*
06:35: Style Image Retrieval for Improving Material Translation Using Neural Style Transfer. *Gibran Benitez-Garcia, Wataru Shimoda, Keiji Yanai*
https://dl.acm.org/doi/10.1145/3379173.3393707

06:55: conify: Converting Photographs into Icons. *Takuro Karamatsu Gibran Benitez-Garcia Keiji Yanai Seiichi Uchida*
https://dl.acm.org/doi/10.1145/3379173.3393708

07:15: BatikGAN: A Generative Adversarial Network for Batik Creation. *Wei-Ta Chu, Linyu Ko.*
https://dl.acm.org/doi/10.1145/3379173.3393710

Session 2 Chair*: Wei-Ta Chu*
07:40: Recommendations for Attractive Hairstyles. *Yuto Nakamae, Xueting Wang, Toshihiko Yamasaki*
https://dl.acm.org/doi/10.1145/3379173.3393709

08:00: Automatic YouTube-Thumbnail Generation and Its Evaluation. *Akari Shimono , Yuki Kakui , Toshihiko Yamasaki*
https://dl.acm.org/doi/10.1145/3379173.3393711

Tutorial: One Perceptron to Rule Them All: Language, Vision, Audio and Speech
https://dl.acm.org/doi/10.1145/3372278.3390740
Time: 08:00 - 11:00
Tutor: *Xavier Giro*

CEA Workshop

Time: Monday, 26/Oct/2020: 09:30 - 11:10
https://dl.acm.org/doi/10.1145/3379174.3392319

Chair: Keisuke Doman
09:30: Welcome Address. *Ichiro Ide and Yoko Yamakata*

09:35: Cooking Activity Recognition in Egocentric Videos with a Hand Mask Image Branch in the Multi-stream CNN. *Shinya Michibata, Michifumi Yoshioka, Yoshioka, Atsushi Hashimoto.*
https://dl.acm.org/doi/10.1145/3379175.3391712

10:05: Interactive Cake Decoration with Whipped Cream. *Mako Miyatake, Aoi Watanabe, Yoshihiro Kawahara.*
https://dl.acm.org/doi/10.1145/3379175.3391711

10:35: Cooking Recipe Analysis based on Sequences of Distributed Representation on Procedure Texts and Associated Images. *Akari Ninomiya, Tomonobu Ozaki.*
https://dl.acm.org/doi/10.1145/3379175.3391710

11:05: Closing Address. *Ichiro Ide and Yoko Yamakata*

Social Session
Time: Monday, 26/Oct/2020: 11:00 - 11:30
Chair*: Hyowon Lee*

Tutorial: Automation of Deep Learning - Theory and Practice
https://dl.acm.org/doi/10.1145/3372278.3390739
Time: 11:30 - 14:00
Tutors*: Martin Wistuba, Ambrish Rawat, Tejaswini Pedapati*

ICDAR Workshop

Time: Monday, 26/Oct/2020: 11:30 - 14:30
https://dl.acm.org/doi/proceedings/10.1145/3379174

Chair*: Minh-Son Dao*
11:30: Welcome Address. *Minh-Son Dao*

11:35: Keynote: From Data Collection Merit to Data Connection Merit for Smart Sustainable Cities. *Koji Zettsu*
https://dl.acm.org/doi/10.1145/3379174.3387636

12:20: Microwave Doppler Radar Sensing System for Vital Sign Detection: From Evaluated Accuracy Models to the Intelligent System. *Thi Phuoc Nguyen, Thanh Tung Tran*
https://dl.acm.org/doi/10.1145/3379174.3392317

12:40: Malware Detection Using System Logs. *Nhu T. Nguyen, Thuy T Pham, Tien X Dang, Minh-Son Dao, Duc Tien Dang-Nguyen, Cathal Gurrin, Binh T Nguyen*
https://dl.acm.org/doi/10.1145/3379174.3392318

13:00: Residence and Workplace Recovery: User Privacy Risk in Mobility Data. *Yuchen Qiu, Yuanyuan Qiao, Aimin Zhang, Jie Yang*
https://dl.acm.org/doi/10.1145/3379174.3392315

13:20: MNR-HCM Data: A Personal Lifelog and Surrounding Environment Dataset in Ho-Chi-Minh City, Viet Nam. *Tan Loc Nguyen-Tai, Dang Hieu Nguyen , Minh Tam Nguyen, Thanh Duong Nguyen, Thanhhai Dang, Minhson Dao*
https://dl.acm.org/doi/10.1145/3379174.3392320

13:40: A Digital Insight Provider From Financial Documents In Banking. *Gokce Aydugan Baydar, Cisem Altan, Bilge Koroglu, Seçil Arslan*
https://dl.acm.org/doi/10.1145/3379174.3392316

14:00: Duplicate Identification Algorithms in SaaS Platforms. *Dac Nguyen, Quy H Nguyen , Minh-Son Dao, Duc Tien Dang-Nguyen, Cathal Gurrin, Binh T Nguyen*
https://dl.acm.org/doi/10.1145/3379174.3392319

14:20: Closing. *Minh-Son Dao*

Social Session
Time: Monday, 26/Oct/2020: 14:30 - 15:00
Chair*: Hyowon Lee*

Tuesday 27th October

Welcome to ICMR'20 & Reproducibility Plan
Time: Tuesday, 27/Oct/2020: 08:00 - 08:30
Chair*: Cathal Gurrin, Bjorn Jonsson, Noriko Kando*

Keynote: Beyond relevance feedback for searching and exploring large multimedia collections (Marcel Worring - University of Amsterdam)
https://dl.acm.org/doi/10.1145/3372278.3390669
Time: Tuesday, 27/Oct/2020: 08:30-09:30
Chair*: Bjorn Jonsson*

Social Session
Time: Tuesday, 27/Oct/2020: 09:30 - 10:00
Chair*: Hyowon Lee*

Best Paper Session
Time: Tuesday, 27/Oct/2020: 10:00am - 11:30am
Session Chair: *Klaus Schoeffmann*

10:00: Visual Relations Augmented Cross-modal Retrieval. *Yutian Guo[1], Jingjing Chen[1], Hao Zhang[2], Yu-Gang Jiang[1]*
[1]Fudan University, China; [2]City University of Hong Kong, China;
https://dl.acm.org/doi/10.1145/3372278.3390709

10:20: Multimodal Analytics for Real-world News using Measures of Cross-modal Entity Consistency. *Eric Müller-Budack[1], Jonas Theiner[2], Sebastian Diering[2], Maximilian Idahl[3], Ralph Ewerth[1,3]*
[1]TIB - Leibniz Information Centre of Science and Technology; [2]Leibniz Universität Hannover; [3]L3S Research Center, Leibniz Universität Hannover;
https://dl.acm.org/doi/10.1145/3372278.3390670

10:40: Human Object Interaction Detection via Multi-level Conditioned Network. *Xu Sun[1,2], Xinwen Hu[1], Tongwei Ren[1], Gangshan Wu[1]*
[1]State Key Laboratory for Novel Software Technology, Nanjing University, China; [2]Shenzhen Research Institute of Nanjing University, Shenzhen, China;
https://dl.acm.org/doi/10.1145/3372278.3390671

11:00: Explaining with Counter Visual Attributes and Examples. *Sadaf Gulshad, Arnold Smeulders*
UvA-Bosch Delta Lab, University of Amsterdam, Netherlands, The;
https://dl.acm.org/doi/10.1145/3372278.3390672

Social Session
Time: Tuesday, 27/Oct/2020: 11:30 - 12:00
Chair: *Hyowon Lee*

Regular Session: Cross Modal Analysis
Time: Tuesday, 27/Oct/2020: 12:00pm - 1:30pm
Chair: *Stevan Rudinac*

12:00: Deep Semantic-Alignment Hashing for Unsupervised Cross-Modal Retrieval. *Dejie Yang[1,2], Dayan Wu[1], Wanqian Zhang[1,2], Haisu Zhang[3], Bo Li[1], Weiping Wang[1]*
[1]Institute of Information Engineering, Chinese Academy of Sciences; [2]School of Cyber Security, University of Chinese Academy of Sciences; [3]National University of Defense Technology;
https://dl.acm.org/doi/10.1145/3372278.3390673

12:20: Forward and Backward Multimodal NMT for Improved Monolingual and Multilingual Cross-Modal Retrieval. *Po-Yao Huang[1], Xiaojun Chang[2], Alexander Hauptmann[1], Eduard Hovy[1]*
[1]Carnegie Mellon University, United States of America; [2]Monash University, Australia;
https://dl.acm.org/doi/10.1145/3372278.3390674

12:40: Heterogeneous Non-Local Fusion for Multimodal Activity Recognition. *Petr Byvshev[1], Pascal Mettes[2], Yu Xiao[1]*
[1]Aalto University, Finland; [2]University of Amsterdam, Netherlands;
https://dl.acm.org/doi/10.1145/3372278.3390675

13:00: Trajectory Prediction Network for Future Anticipation of Ships. *Pim F. Dijt, Pascal S. M. Mettes*
University of Amsterdam, Netherlands, The;
https://dl.acm.org/doi/10.1145/3372278.3390676

Special Session: Human-Centric Cross-modal Retrieval
Time: Tuesday, 27/Oct/2020: 12:00pm - 1:30pm
Chair: *Zheng Wang*

12:00: Visible-infrared Person Re-identification via Colorization-based Siamese Generative Adversarial Network. *Xian Zhong[1], Tianyou Lu[1], Wenxin Huang[2], Jingling Yuan[1], Wenxuan Liu[1], Chia-Wen Lin[3]*
[1]Wuhan University of Technology; [2]Wuhan University; [3]National Tsing Hua University;
https://dl.acm.org/doi/10.1145/3372278.3390696

12:20 iCap: Interative Image Captioning with Predictive Text. *Zhengxiong Jia, Xirong Li*
Renmin University of China, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390696

12:40:Multi-Attention Multimodal Sentiment Analysis. *Taeyong Kim[1], Bowon Lee[2]*

[1]*Hyundai Robotics, Korea, Republic of (South Korea);* [2]*Inha University, Korea, Republic of (South Korea);*
https://dl.acm.org/doi/10.1145/3372278.3390698

13:00 MAENet: Boosting Feature Representation for Cross-Modal Person Re-Identification with Pairwise Supervision. *Yongbiao Chen, Sheng Zhang, Zhengwei Qi shanghai jiaotong university;*
https://dl.acm.org/doi/10.1145/3372278.3390699

Social Session: Traditional Music and Irish Coffee Workshop
Time: Tuesday, 27/Oct/2020: 13:30 - 15:00
Chair: *Aaron Duane*

13:30: Welcome Address
13:35: Music 1
14:00: Roe & Co Irish Coffee Workshop
14:30: Music 2

Wednesday 28th October

Brave New Ideas
Time: Wednesday, 28/Oct/2020: 8:00am - 9:00am
Chair: *Binh Nguyen*

08:00: Automatic Evaluation of Iconic Image Retrieval based on Colour, Shape, and Texture. *Riku Togashi[1,2,3], Sumio Fujita[2], Tetsuya Sakai[1]*
[1]Waseda University; [2]Yahoo Japan Corporation; [3]Mercari, Inc.;
https://dl.acm.org/doi/10.1145/3372278.3390741

08:20: 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;
https://dl.acm.org/doi/10.1145/3372278.3390742

08:40: On visualizations in the role of universal data representation. *Tomas Skopal*
Charles University, Czech Republic;
https://dl.acm.org/doi/10.1145/3372278.3390743

Social Session
Time: Wednesday, 28/Oct/2020: 09:00 - 09:30
Chair: *Hyowon Lee*

Regular Session: Applications
Time: Wednesday, 28/Oct/2020: 9:30am - 11:00am
Chair: Andreas Leibetseder

9:30: Knowledge Enhanced Neural Fashion Trend Forecasting. *Yunshan Ma[1], Yujuan Ding[2], Lizi Liao[1], Xun Yang[1], Wai Keung Wong[2], Tat-Seng Chua[1]*
[1]National University of Singapore; [2]The Hong Kong Polytechnic University;
https://dl.acm.org/doi/10.1145/3372278.3390677

9:50: Learning to Select Elements for Graphic Design. *Guolong Wang[1], Zheng Qin[1], Junchi Yan[2], Liu Jiang[1]*
[1]Tsinghua University; [2]Shanghai Jiao Tong University;
https://dl.acm.org/doi/10.1145/3372278.3390678

10:10: Actor-Critic Sequence Generation for Relative Difference Captioning. *Zhengcong Fei*
Chinese Academy of Sciences, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390679

10:30: Interactivity Proposals for Surveillance Videos. *Shuo Chen, Pascal Mettes, Tao Hu, Cees Snoek*
University of Amsterdam;
https://dl.acm.org/doi/10.1145/3372278.3390680

Special Session: Activities of Daily Living
Time: Wednesday, 28/Oct/2020: 9:30am - 11:00am
Chair: *Duc-Tien Dang Nguyen*

9:30: Anomaly Detection in Traffic Surveillance Videos with GAN-based Future Frame Prediction. *Khac-Tuan Nguyen[1,2], Dat-Thanh Dinh[1,2], Minh Do[3], Minh-Triet Tran[1,2]*
[1]University of Science; [2]Vietnam National University Ho Chi Minh city; [3]University of Illinois at Urbana-Champaign;
https://dl.acm.org/doi/10.1145/3372278.3390701

9:45: Incorporating Semantic Knowledge for Visual Lifelog Activity Recognition. *Min-Huan Fu[1], An-Zi Yen[1], Hen-Hsen Huang[2,3], Hsin-Hsi Chen[1,3]*
[1]Department of Computer Science and Information Engineering, National Taiwan University, Taipei, Taiwan; [2]Department of Computer Science, National Chengchi University, Taipei, Taiwan; [3]MOST Joint Research Center for AI Technology and All Vista Healthcare, Taiwan;
https://dl.acm.org/doi/10.1145/3372278.3390700

10:00: Multi-level Recognition on Falls from Activities of Daily Living. *Jiawei Li[1,3], Shu-Tao Xia[2,3], Qianggang Ding[1,3]*
[1]Department of Computer Science and Technology, Tsinghua University; [2]Center of Communications and Networks, PengCheng Laboratory; [3]Tsinghua Shenzhen International Graduate School, Tsinghua University;
https://dl.acm.org/doi/10.1145/3372278.3390700

10:15: Intelligent Task Recognition: Towards Enabling Productivity Assistance in Daily Life. *Jonathan Liono[1], Mohammad Saiedur Rahaman[1], Flora D. Salim[1], Yongli Ren[1], Damiano Spina[1], Falk Scholer[1], Johanne R. Trippas[1], Mark Sanderson[1], Paul N. Bennett[2], Ryen W. White[2]*
[1]RMIT University, Melbourne, VIC, Australia; [2]Microsoft Research AI, Redmond, WA, USA;
https://dl.acm.org/doi/10.1145/3372278.3390703

10:30: Flood Level Estimation from Social Media Images with Pose Estimation. *Khanh-An C. Quan[1,4], Vinh-Tiep Nguyen[1,4], Tam Nguyen[3], Minh-Triet Tran[2,4]*
[1]University of Information Technology; [2]University of Science; [3]Dayton University; [4]Vietnam National University Ho Chi Minh city;
https://dl.acm.org/doi/10.1145/3372278.3390704

10:45: Continuous Health Interface Event Retrieval. *Vaibhav Pandey, Nitish Nag, Ramesh Jain*
University of California, Irvine, United States of America;
https://dl.acm.org/doi/10.1145/3372278.3390705

Poster & Demo Session
Time: Wednesday, 28/Oct/2020: 11:00am - 1:00pm
Chair*: Minh-Son Dao*

- Demos -

surgXplore: Interactive Video Exploration for Endoscopy. *Andreas Leibetseder, Klaus Schoeffmann*
Klagenfurt University, Austria;
https://dl.acm.org/doi/10.1145/3372278.3391930

A framework for paper submission recommendation system. *Binh Thanh Nguyen[1,5,6], Cuong Viet Dinh[1,5], Dac Huu Nguyen[1,5], Son Thanh Huynh[1,5], Phong Tan Huynh[1,5], Cathal Gurrin[2], Minh-Son Dao[3], Duc Tien Dang Nguyen[4]*
[1]University of Science, Ho Chi Minh City, Vietnam; [2]Dublin City University; [3]National Institute of Information and Communications Technology, Tokyo; [4]University of Bergen; [5]AISIA Research Lab; [6]Vietnam National University in Ho Chi Minh City;
https://dl.acm.org/doi/10.1145/3372278.3391929

An Interactive Multimodal Retrieval System for Memory Assistant and Life Organized Support. *Van-Luon Tran[1], Anh-Vu Mai-Nguyen[1], Trong-Dat Phan[1], Anh-Khoa Vo[1], Minh-Son Dao[2], Koji Zettsu[2]*
[1]University of Science, VNU-HCMC; [2]NICT;
https://dl.acm.org/doi/10.1145/3372278.3391934

An active learning framework for duplicate detection in SaaS platform. *Binh Thanh Nguyen[1,2,3,7], Quy Hong Nguyen[2], Dac Huu Nguyen[2,3], Duc Tien Dang Nguyen[5], Minh-Son Dao[4], Cathal Gurrin[6]*
[1]University of Science, Ho Chi Minh City, Vietnam; [2]Inspectorio Research Lab; [3]AISIA Research Lab; [4]National Institute of Information and Communications Technology; [5]University of Bergen; [6]Dublin City University; [7]Vietnam National University in Ho Chi Minh City;
https://dl.acm.org/doi/10.1145/3372278.3391933

Music Tower Blocks: Multi-Faceted Exploration Interface for Web-Scale Music Access. *Markus Schedl[1,2], Michael Mayr[1], Peter Knees[3]*
[1]JKU Linz, Austria; [2]Linz Institute of Technology, AI Lab; [3]TU Wien, Austria;
https://dl.acm.org/doi/10.1145/3372278.3391928

SenseMood: Depression Detection on Social Media. *Chenhao Lin[1], Pengwei Hu[2], Hui Su[3], Shaochun Li[2], Jing Mei[2], Jie Zhou[3], Henry Leung[4]*
[1]Xi'an JiaoTong University, China, People's Republic of; [2]IBM Research, China; [3]Pattern Recognition Center, Wechat AI, Tencent Inc, China; [4]Department of Electrical and Computer Engineering, University of Calgary, Canada;
https://dl.acm.org/doi/10.1145/3372278.3391932

Detection of semantic risk situations in lifelog data for improving life of frail people. *Thinhinane Yebda[1], Marion Pech[2], Jenny Benois-Pineau[1], Hélène Amièva[2], Cathal Gurrin[3]*
[1]LaBRI, Université de Bordeaux, France; [2]BPH, Université de Bordeaux, France; [3]Dublin City University;
https://dl.acm.org/doi/10.1145/3372278.3391931

Automatic Reminiscence Therapy for Dementia. *Mariona Carós Roca[1], Xavier Giró-i-Nieto[1], Petia Radeva[2], Maite Garolera[3]*

[1]Universitat Politecnica de Catalunya; [2]Universitat de Barcelona; [3]Consorci Sanitari de Terrassa;
https://dl.acm.org/doi/10.1145/3372278.3391927

- Short Papers/Posters -

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;
https://dl.acm.org/doi/10.1145/3372278.3390725

Towards evaluating and simulating keyword queries for development of interactive known-item search systems. *Ladislav Peska, Frantisek Mejzlik, Tomas Soucek, Jakub Lokoc*
Dept. of Software Engineering, Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic;
https://dl.acm.org/doi/10.1145/3372278.3390726

Itinerary Planning via Deep Reinforcement Learning. *Shengxin Chen[1,2], Bo-Hao Chen[2], Zhaojiong Chen[1], Yunbing Wu[1]*
[1]College of Mathematics and Computer Science, Fuzhou University, China; [2]Department of Computer Science and Engineering, Yuan Ze University, Taiwan;
https://dl.acm.org/doi/10.1145/3372278.3390727

Confidence-based Weighted Loss for Multi-label Classification with Missing Labels. *Karim M. Ibrahim[1,2], Elena V. Epure[2], Geoffroy Peeters[1], Gaël Richard[1]*
[1]Telecom Paris; [2]Deezer;
https://dl.acm.org/doi/10.1145/3372278.3390728

Learning Fine-grained Similarity Matching Networks for Visual Tracking. *Dawei Zhang, Zhonglong Zheng, Xiaowei He, Liu Su, Liyuan Chen*
Zhejiang Normal University, China;
https://dl.acm.org/doi/10.1145/3372278.3390729

Semantic Gated Network for Efficient News Representation. *Xuxiao Bu[1,2], Bingfeng Li[2], Yaxiong Wang[1], Jihua Zhu[1], Xueming Qian[1], Marco Zhao[2]*
[1]Xi'an Jiaotong University, China, People's Republic of; [2]Tencent Company, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390719

Reducing Response Time for Multimedia Event Processing using Domain Adaptation. *Asra Aslam, Edward Curry*
Insight Centre for Data Analytics, NUI Galway, Ireland;
https://dl.acm.org/doi/10.1145/3372278.3390722

Are You Watching Closely? Content-based Retrieval of Hand Gestures. *Mahnaz Amiri Parian[1,3], Luca Rossetto[2], Heiko Schuldt[1], Stéphane Dupont[3]*
[1]University of Basel, Switzerland; [2]University of Zurich, Switzerland; [3]University of Mons, Belgium;
https://dl.acm.org/doi/10.1145/3372278.3390723

Query-controllable Video Summarization. *Jia-Hong Huang, Marcel Worring*
University of Amsterdam;

https://dl.acm.org/doi/10.1145/3372278.3390695

PredNet and Predictive Coding: A Critical Review. *Roshan Prakash Rane[1], Edit Szügyi[1], Vageesh Saxena[1], André Ofner[1], Sebastian Stober[2]*
[1]University of Potsdam, Germany; [2]Otto von Guericke University Magdeburg, Germany;
https://dl.acm.org/doi/10.1145/3372278.3390694

Super-Resolution Coding Defense against Adversarial Examples. *Yanjie Chen[1,2,3], Likun Cai[1,2,3], Wei Cheng[4], Hao Wang[1]*
[1]School of Information Science and Technology, ShanghaiTech University; [2]Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences; [3]University of Chinese Academy of Sciences; [4]NEC Laboratories, America;
https://dl.acm.org/doi/10.1145/3372278.3390689

At the Speed of Sound: Efficient Audio Scene Classification. *Bo Dong[2], Cristian Lumezanu[1], Yuncong Chen[1], Dongjin Song[1], Takehiko Mizoguchi[1], Haifeng Chen[1], Latifur Khan[2]*
[1]NEC Laboratories America, United States of America; [2]University of Texas, Dallas;
https://dl.acm.org/doi/10.1145/3372278.3390730

Imageability Estimation using Visual and Language Features. *Chihaya Matsuhira[1], Marc A. Kastner[1], Ichiro Ide[1], Yasutomo Kawanishi[1], Takatsugu Hirayama[1], Keisuke Doman[2], Daisuke Deguchi[1], Hiroshi Murase[1]*
[1]Nagoya University, Japan; [2]Chukyo University, Japan;
https://dl.acm.org/doi/10.1145/3372278.3390731

Image Retrieval using Multi-scale CNN Features Pooling. *Federico Vaccaro, Marco Bertini, Tiberio Uricchio, Alberto Del Bimbo*
Universita di Firenze - MICC, Italy;
https://dl.acm.org/doi/10.1145/3372278.3390732

Analysis of the Effect of Dataset Construction Methodology on Transferability of Music Emotion Recognition Models. *Sabina Hult, Line Bay Kreiberg, Sami Sebastian Brandt, Björn Þór Jónsson*
IT-University of Copenhagen, Denmark;
https://dl.acm.org/doi/10.1145/3372278.3390733

Continuous ODE-defined Image Features for Adaptive Retrieval. *Fabio Carrara, Giuseppe Amato, Fabrizio Falchi, Claudio Gennaro*
ISTI CNR, Italy;
https://dl.acm.org/doi/10.1145/3372278.3390690

System Fusion with Deep Ensembles. *Liviu-Daniel Ștefan, Mihai Gabriel Constantin, Bogdan Ionescu*
University Politehnica of Bucharest, Romania;
https://dl.acm.org/doi/10.1145/3372278.3390720

One Shot Logo Recognition Based on Siamese Neural Networks. *Camilo Vargas, Qianni Zhang, Ebroul Izquierdo*
Queen Mary University of London, United Kingdom;
https://dl.acm.org/doi/10.1145/3372278.3390734

Visual Story Ordering with a Bidirectional Writer. *Wei-Rou Lin[1], Hen-Hsen Huang[2], Hsin-Hsi Chen[1]*

[1]Department of Computer Science and Information Engineering, National Taiwan University, Taiwan; [2]Department of Computer Science, National Chengchi University, Taiwan;
https://dl.acm.org/doi/10.1145/3372278.3390735

SalientEye: Maintaining artistic style while maximizing engagement on Instagram using deep neural networks. *Lili Wang, Ruibo Liu, Soroush Vosoughi*
Dartmouth College;
https://dl.acm.org/doi/10.1145/3372278.3390736

Search Result Clustering in Collaborative Sound Collections. *Xavier Favory, Frederic Font, Xavier Serra*
Music Technology Group - Universitat Pompeu Fabra;
https://dl.acm.org/doi/10.1145/3372278.3390691

DAGC: Employing Dual Attention and Graph Convolution for Point Cloud based Place Recognition. *Qi Sun[1], Hongyan Liu[2], Jun He[1], Zhaoxin Fan[1], Xiaoyong Du[1]*
[1]Renmin University of China; [2]Tsinghua University, China;
https://dl.acm.org/doi/10.1145/3372278.3390693

Attention Mechanisms, Signal Encodings and Fusion Strategies for Improved Ad-hoc Video Search with Dual Encoding Networks. *Damianos Galanopoulos, Vasileios Mezaris*
CERTH-ITI, Greece;
https://dl.acm.org/doi/10.1145/3372278.3390737

EfficientFAN: Deep Knowledge Transfer for Face Alignment. *Pengcheng Gao, Ke Lu, Jian Xue*
University of Chinese Academy of Sciences, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390692

Efficient Base Class Selection Algorithms for Few-shot Classification. *Takumi Ohkuma, Hideki Nakayama*
The University of Tokyo, Japan;
https://dl.acm.org/doi/10.1145/3372278.3390724

Emotion Recognition from Galvanic Skin Response Signal Based on Deep Hybrid Neural Networks. *Imam Yogie Susanto[1], Tse-Yu Pan[1], Chien-Wen Chen[2], Min-Chun Hu[1], Wen-Huang Cheng[3]*
[1]National Tsing Hua University, Taiwan; [2]National Cheng Kung University, Taiwan; [3]National Chiao Tung University, Taiwan;
https://dl.acm.org/doi/10.1145/3372278.3390738

Social Session
Time: Tuesday, 27/Oct/2020: 13:00 - 13:30
Chair: Hyowon Lee

Keynote: What Should I do? - Ramesh Jain (University of California, Irvine)
https://dl.acm.org/doi/10.1145/3372278.3388038
Time: Wednesday, 28/Oct/2020: 13:30-14:30
Chair: *Cathal Gurrin*

Social Session: Traditional Music with Irish Food Tutorial and Irish Language/Culture Workshop
Time: Wednesday, 28/Oct/2020: 14:30 – 16:00
Chair: *Cathal Gurrin*

14:30: Food Workshop (Irish Potato Cakes)
15:00: Irish Music 1
15:15: Irish Culture & Language 1
15:30: Irish Music 2
15:45: Irish Culture & Language 2
16:00: End

Thursday 29th October

Keynote: Medical image retrieval: applications and resources (Henning Müller - University Hospitals of Geneva)
https://dl.acm.org/doi/10.1145/3372278.3390668
Time: Thursday, 29/Oct/2020: 08:00-09:00
Chair*: Klaus Schoeffmann*

Social Session
Time: Thursday, 29/Oct/2020: 09:00 - 09:30
Chair: *Hyowon Lee*

Regular Session: Retrieval
Time: Thursday, 29/Oct/2020: 9:30am - 11:00am
Chair*: Petia Radeva*

9:30: Sentence-based and Noise-robust Cross-modal Retrieval on Cooking Recipes and Food Images. *Zichen Zan[1], Lin Li[2], Jianquan Liu[3]*
[1]Wuhan University of Technology, China, People's Republic of; [2]Wuhan University of Technology, China, People's Republic of; [3]NEC Corporation;
https://dl.acm.org/doi/10.1145/3372278.3390681

9:50: 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;
https://dl.acm.org/doi/10.1145/3372278.3390682

10:10: Deep Discrete Attention Guided Hashing for Face Image Retrieval. *Zhi Xiong[1,2], Dayan Wu[1], Wen Gu[1,2], Haisu Zhang[3], Bo Li[1], Weiping Wang[1]*
[1]Institute of Information Engineering, Chinese Academy of Science, Beijing, China; [2]School of Cyber Security, University of Chinese Academy of Sciences Beijing, China; [3]College of Information and Communication, National University of Defense Technology, Wuhan, China;
https://dl.acm.org/doi/10.1145/3372278.3390683

10:30 Image Synthesis from Locally Related Texts. *Tianrui Niu, Fangxiang Feng, Lingxuan Li, Xiaojie Wang*
Beijing Unversity of Posts and Telecommunications, China;
https://dl.acm.org/doi/10.1145/3372278.3390684

Special Session: Knowledge-Driven Analysis and Retrieval on Multimedia
Time: Thursday, 29/Oct/2020: 9:30am - 11:30am
Chair: Bing-Kun Bao

9:30: YOLO-mini-tiger: Amur Tiger Detection. *Runchen Wei[1], Ning He[2], Ke Lu[3]*
[1]Beijing Union University, People's Republic of China; [2]Beijing Union University, People's Republic of China; [3]University of Chinese Academy of Sciences, People's Republic of China;
https://dl.acm.org/doi/10.1145/3372278.3390710

09:45: Deep Adversarial Discrete Hashing for Cross-Modal Retrieval. *Cong Bai[1], Chao Zeng[1], Qing Ma[1], Jinglin Zhang[2], Shengyong Chen[3]*
[1]Zhejiang University of Technology, China, People's Republic of; [2]Nanjing University of Information Science and Technology, China, People's Republic of; [3]Tianjin Unversity of Technology, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390711

10:00: 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;
https://dl.acm.org/doi/10.1145/3372278.3390712

10:15: Fake News Detection via Knowledge-driven Multimodal Graph Convolutional Networks. *Youze Wang[1], Shengsheng Qian[2], Jun Hu[1], Quan Fang[2], Changsheng Xu[1,2]*
[1]HeFei University of Technology, Hefei, China; [2]National Lab of Pattern Recognition ,Institute of Automation, Chinese Academy of Sciences, Beijing, China;
https://dl.acm.org/doi/10.1145/3372278.3390713

10:30: Optimizing Queries over Video via Lightweight Keypoint-based Object Detection. *Jiansheng Dong, Jingling Yuan, Lin Li, Xian Zhong, Weiru Liu*
武汉理工大学, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390714

10:45: Multi-Graph Group Collaborative Filtering. *Bo Jiang*
Nanjing University of Science and Technology, China, People's Republic of;
https://dl.acm.org/doi/10.1145/3372278.3390715

11:00: Rank-embedded Hashing for Large-scale Image Retrieval. *Haiyan Fu[1], Ying Li[2], Hengheng Zhang[3], Jinfeng Liu[1], Tao Yao[4]*
[1]School of Information and Communication Engineering, Dalian University of Technology, Dalian, China; [2]School of Computer Science and Technology, Nanjing Normal University, Nanjing, China; [3]Department of Computer Science, University of Texas at San Antonio, Texas, USA; [4]Department of Information and Electrical Engineering, LuDong University, Yantai, China;
https://dl.acm.org/doi/10.1145/3372278.3390716

11:15: A Coordinated Representation Learning Enhanced Multimodal Machine Translation Approach with Multi-Attention. *Yifeng Han[1], Lin Li[1], Jianwei Zhang[2]*
[1]Wuhan University of Technology; [2]Iwate University;
https://dl.acm.org/doi/10.1145/3372278.3390717

Social Session
Time: Tuesday, 27/Oct/2020: 11:00 - 11:30
Chair*: Hyowon Lee*

Social Session
Time: Tuesday, 27/Oct/2020: 11:30 - 12:00
Chair*: Hyowon Lee*

Regular Session: Semantic Enrichment
Time: Thursday, 29/Oct/2020: 11:30am - 1:00pm
Chair: Heiko Schuldt

11:30: Automatic color scheme extraction from movies. *Suzi Kim, Sunghee Choi.*
KAIST, Korea;
https://dl.acm.org/doi/10.1145/3372278.3390685

11:50: 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;
https://dl.acm.org/doi/10.1145/3372278.3390686

12:10: 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;
https://dl.acm.org/doi/10.1145/3372278.3390687

12:30: iSparse: Output Informed Sparsification of Neural Networks. *Yash Garg, K. Selcuk Candan*
Arizona State University, United States of America;
https://dl.acm.org/doi/10.1145/3372278.3390688

Special Session: Multimedia Information Retrieval for Urban Data
Time: Thursday, 29/Oct/2020: 12:00pm - 1:00pm
Chair*: Stevan Rudinac*

12:00: 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;
https://dl.acm.org/doi/10.1145/3372278.3390706

12:20: Urban Movie Map for Walkers : Route View Synthesis using 360° Videos. *Naoki Sugimoto[1], Toru Okubo[2], Kiyoharu Aizawa[1]*
[1]The University of Tokyo, Japan; [2]VTEC Laboratories Inc.;
https://dl.acm.org/doi/10.1145/3372278.3390707

12:40: Urban Object Detection Kit: A System for Collection and Analysis of Street-Level Imagery. *Maarten Sukel[1,2], Stevan Rudinac[1], Marcel Worring[1]*
[1]University of Amsterdam; [2]City of Amsterdam;
https://dl.acm.org/doi/10.1145/3372278.3390708

Doctoral Consortium
Time: Thursday, 29/Oct/2020: 1:00pm - 2:30pm
Chair*: Marie Katsurai*

13:00: Enabling Relevance-based Exploration of Cataract Videos. *Negin Ghamsarian*
Klagenfurt University, Austria;
https://dl.acm.org/doi/10.1145/3372278.3391937

13:30 An Interactive Learning System for Large Scale Multimedia Analytics. *Omar Shahbaz Khan*
IT University of Copenhagen, Denmark;
https://dl.acm.org/doi/10.1145/3372278.3391935

14:00 Object Detection for Unseen Domains while Reducing Response Time using Knowledge Transfer in Multimedia Event Processing. *Asra Aslam*
NUI Galway, Ireland;
https://dl.acm.org/doi/10.1145/3372278.3391936

Closing ICMR'20, Welcome ICMR'21
Time: Thursday, 29/Oct/2020: 14:30 - 15:00
Chair*: Cathal Gurrin & Bjorn Jonsson & Noriko Kando*

Friday 30th October

LSC'20 Workshop

8:00: Welcome. *Cathal Gurrin, Klaus Schoeffmann, Bjorn Por Jonsson*
https://dl.acm.org/doi/proceedings/10.1145/3379172

8:15: Interactive Lifelog Retrieval with vitrivr. *Loris Sauter, Silvan Heller, Mahnaz Amiri Parian, Ralph Gasser, Heiko Schuldt*
https://dl.acm.org/doi/10.1145/3379172.3391715

8:20: VRLE: Lifelog Interaction Prototype in Virtual Reality. *Aaron Duane, Björn Þór Jónsson, Cathal Gurrin*
https://dl.acm.org/doi/10.1145/3379172.3391716

8:25: LifeGraph: a Knowledge Graph for Lifelogs. *Luca Rossetto, Matthias Baumgartner, Narges Ashena, Florian Ruosch, Romana Pernischova, Abraham Bernstein*
https://dl.acm.org/doi/10.1145/3379172.3391717

8:30: Exquisitor at the Lifelog Search Challenge 2020. *Omar Shahbaz Khan, Mathias Dybkjær Larsen, Liam Alex Sonto Poulsen, Björn Þór Jónsson, Jan Zahálka, Stevan Rudinac, Dennis Koelma, Marcel Worring*
https://dl.acm.org/doi/10.1145/3379172.3391718

8:35: Myscéal - An Experimental Interactive Lifelog Retrieval System for LSC'20. *Ly Duyen Tran, Duy Nguyen, Binh Nguyen, Hyowon Lee, Cathal Gurrin*
https://dl.acm.org/doi/10.1145/3379172.3391719

8:40: A Multi-level Interactive Lifelog Search Engine with User Feedback. *Jiayu Li, Min Zhang, Weizhi Ma, Yiqun Liu, Shaoping Ma*
https://dl.acm.org/doi/10.1145/3379172.3391720

8:45: lifeXplore at the Lifelog Search Challenge 2020. *Andreas Leibetseder, Klaus Schoeffmann*
https://dl.acm.org/doi/10.1145/3379172.3391721

8:50: BIDAL-HCMUS@LSC2020: An Interactive Multimodal Lifelog Retrieval with Query-to-Sample Attention-based Search Engine. *Anh-Vu Mai-Nguyen, Van-Luon Tran, Trong-Dat Phan, Anh-Khoa Vo , Minh-Son Dao, Koji Zettsu*
https://dl.acm.org/doi/10.1145/3379172.3391722

8:55: Multimodal Retrieval through Relations between Subjects and Objects in Lifelog Images. *Tai-Te Chu, Chia-Chun Chang, An-Zi Yen, Hen-Hsen Huang, Hsin-Hsi Chen*
https://dl.acm.org/doi/10.1145/3379172.3391723

9:00: LifeSeeker 2.0 - Interactive Lifelog Search Engine at LSC 2020. *Tu-Khiem Le, Van-Tu Ninh, Minh-Triet Tran, Thanh-An Nguyen, Hai-Dang Nguyen, Liting Zhou, Graham Healy, Cathal Gurrin*
https://dl.acm.org/doi/10.1145/3379172.3391724

9:05: VIRET Tool with Advanced Visual Browsing and Feedback. *Gregor Kovalcik, Vit Skrhak, Tomas Soucek, Jakub Lokoc*
https://dl.acm.org/doi/10.1145/3379172.3391725

9:10: FIRST - Flexible Interactive Retrieval SysTem for Visual Lifelog Exploration at LSC 2020. *Minh-Triet Tran, Thanh-An Nguyen, Quoc-Cuong Tran, Mai-Khiem Tran, Khanh Nguyen, Van-Tu Ninh, Tu-Khiem Le, Hai-Dang Nguyen, Trong-Le Do, Viet-Khoa Vo-Ho, Cathal Gurrin*
https://dl.acm.org/doi/10.1145/3379172.3391726

9:15: SOMHunter for lifelog search. *Frantisek Mejzlik, Patrik Veselý, Miroslav Kratochvíl, Tomáš Souček, Jakub Lokoč*
https://dl.acm.org/doi/10.1145/3379172.3391727

9:20: Voxento - An Prototype Voice-controlled Interactive Search Engine for Lifelogs. *Ahmed Alateeq, Mark Roantree, Cathal Gurrin*
https://dl.acm.org/doi/10.1145/3379172.3391728

9:30: Discussion & System Preparation

10:00: Social Session.

10:30: LSC'20 Competition. *All 14 participating teams.*

12:30: LSC'20 Closing & Social Discussion. *Cathal Gurrin, Klaus Schoeffmann, Bjorn Por Jonsson*