

BIGMM2019: THE 5TH IEEE INTERNATIONAL CONFERENCE ON MULTIMEDIA BIG DATA

PROGRAM AUTHORS KEYWORDS

PROGRAM

Days: [Wednesday, September 11th](#)
[Thursday, September 12th](#) [Friday, September 13th](#)

Wednesday, September 11th

View this program: [with abstracts](#) [session overview](#) [talk overview](#)

07:30-08:30 Registration

LOCATION: [Lobby](#)

08:30-09:30 Session 1: Keynote 1: Prof. Tat-Seng Chua

CHAIR:

[Roger Zimmermann](#) (National University of Singapore, Singapore)

LOCATION: [Guild Hall \(Level 1\)](#)

09:30-10:00 Coffee Break

10:00-11:30 Session 2: Regular: Best paper award candidates

CHAIRS:

[Yonggang Wen](#) (Nanyang Technological University, Singapore)

[Yi Yu](#) (National Institute of Informatics, Japan)

LOCATION: [Guild Hall \(Level 1\)](#)

10:00 [Jaeyoung Choi](#) (Delft University of Technology/ ICSI, Netherlands)

[Martha Larson](#) (Radboud University and Delft University of Technology, Netherlands)

[Gerald Friedland](#) (University of California, Berkeley, United States)

[Alan Hanjalic](#) (Delft University of Technology, Netherlands)

From Intra-Modal to Inter-Modal Space: Multi-Task Learning of Joint Representation for Cross-Modal Retrieval ([abstract](#))

10:22 [Giorgos Constantinou](#) (University of Southern California, United States)

[Abdullah Alfarrarjeh](#) (University of Southern California, United States)

[Seon Ho Kim](#) (University of Southern California, United States)

[Gowri Sankar Ramachandran](#) (IMSC and CCI,

University of Southern California, United States)
[Bhaskar Krishnamachari](#) (CCI, University of Southern California, United States)

[Cyrus Shahabi](#) (IMSC, University of Southern California, United States)

A Crowd-Based Image Learning Framework Using Edge Computing for Smart City Applications ([abstract](#))

10:44 [Miaomiao Cheng](#) (Beijing Jiaotong University, China)

[Liping Jing](#) (Beijing Jiaotong University, China)

[Michael Kwok-Po Ng](#) (Hong Kong Baptist University, Hong Kong)

A Weighted Tensor Factorization Method for Low-Rank Tensor Completion ([abstract](#))

11:06 [Anurag Singh](#) (NSUT, India)

[Lakshay Virmani](#) (NSUT, India)

[Subramanyam Venkata](#) (IIIT-Delhi, India)

Image Corpus Representative Summarization ([abstract](#))

11:30-13:00 Session 3: Regular: Deep learning across modalities

CHAIR: [Rajiv Ratn Shah](#) (IIIT Delhi, India)

LOCATION: [Guild Hall \(Level 1\)](#)

11:30 [Shivangi Singhal](#) (Indraprastha Institute of Information Technology, Delhi, India)

[Rajiv Shah](#) (IIIT Delhi, India)

[Tanmoy Chakraborty](#) (IIIT-Delhi, India, India)

[Ponnurangam Kumaraguru](#) (IIITD, India)

[Shin'ichi Satoh](#) (National Institute of Informatics, Tokyo, Japan)

Spotfake: a Multi-Modal Framework for Fake News Detection ([abstract](#))

11:52 [Abdullah Alfarrarjeh](#) (University of Southern California, United States)

[Seon Ho Kim](#) (University of Southern California, United States)

[Arvind Bright](#) (University of Southern California, United States)

[Vinuta Hegde](#) (University of Southern California, United States)

[Akshansh](#) (University of Southern California, United States)

[Cyrus Shahabi](#) (University of Southern California, United States)

Spatial Aggregation of Visual Features for Big Image Data Search ([abstract](#))

12:14 [Osaid Rehman Nasir](#) (Indraprastha Institute of Information Technology Delhi, India)

[Shailesh Kumar Jha](#) (Indraprastha Institute of Information Technology Delhi, India)

[Manraj Singh Grover](#) (Indraprastha Institute of Information Technology Delhi, India)

[Yi Yu](#) (National Institute of Informatics, Japan)

[Ajit Kumar](#) (Adobe System, India)

- [Rajiv Ratn Shah](#) (Indraprastha Institute of Information Technology Delhi, India)
Text2FaceGAN: Face Generation from Fine Grained Textual Descriptions ([abstract](#))
- 12:36 [Sharan Pai](#) (IIIT Delhi, India)
[Nikhil Sachdeva](#) (IIIT Delhi, India)
[Rajiv Shah](#) (IIIT Delhi, India)
[Roger Zimmermann](#) (NUS, Singapore)
User Input Based Style Transfer While Retaining Facial Attributes ([abstract](#))
- 13:00-14:00 Lunch Break
- 14:00-16:00 Session 4A: Invited: Social media
 CHAIR: [Naimul Khan](#) (Ryerson University, Canada)
 LOCATION: [Left Chamber \(Level 1\)](#)
- 14:00 [Keiji Yanai](#) (The University of Electro-Communications, Japan)
[Kaimu Okamoto](#) (The University of Electro-Communications, Japan)
[Tetsuya Nagano](#) (The University of Electro-Communications, Japan)
[Daichi Horita](#) (The University of Electro-Communications, Japan)
Large-Scale Twitter Food Photo Mining and Its Applications ([abstract](#))
- 14:30 [Yasutomo Kawanishi](#) (Nagoya University, Japan)
[Ichiro Ide](#) (Nagoya University, Japan)
[Lu Chen](#) (Hitachi Ltd., Japan)
[Takatsugu Hirayama](#) (Nagoya University, Japan)
[Keisuke Doman](#) (Chukyo University, Japan)
[Daisuke Deguchi](#) (Nagoya University, Japan)
[Hiroshi Murase](#) (Nagoya University, Japan)
Similar Seasonal-Geo-Region Mining Based on Visual Concepts in Social Media Photos ([abstract](#))
- 15:00 [Akash Kumar Gautam](#) (IIIT Delhi, India)
[Ajit Kumar](#) (Adobe Systems, India)
[Shashwat Aggarwal](#) (MIDAS, IIIT-Delhi, India)
[Luv Misra](#) (MIDAS, IIIT-Delhi, India)
[Kush Misra](#) (MIDAS, IIIT-Delhi, India)
[Rajiv Ratn Shah](#) (IIIT Delhi, India)
Multimodal Analysis of Disaster Tweets ([abstract](#))
- 15:30 [Shivam B. Parikh](#) (SUNY Albany, United States)
[Saurin R. Khedia](#) (SUNY Albany, United States)
[Pradeep K. Atrey](#) (SUNY Albany, United States)
A Framework to Detect Fake Tweet Images on Social Media ([abstract](#))
- 14:00-16:00 Session 4B: Invited: Novel approaches to media processing
 CHAIR: [Xian-Hua Han](#) (Yamaguchi University, Japan)
 LOCATION: [Right Chamber \(Level 1\)](#)
- 14:00 [Hong Xue](#) (Fujian Key Lab for Intelligent Processing and Wireless Transmission of Media

- Information, Fuzhou University, China)
[Tiesong Zhao](#) (Fujian Key Lab for Intelligent Processing and Wireless Transmission of Media Information, Fuzhou University, China)
[Weiling Chen](#) (Fujian Key Lab for Intelligent Processing and Wireless Transmission of Media Information, Fuzhou University, China)
[Qian Liu](#) (Dept. of Computer Science and Technology, Dalian University of Technology, China)
[Shaohua Zheng](#) (Fujian Key Lab for Intelligent Processing and Wireless Transmission of Media Information, Fuzhou University, China)
[Chang Wen Chen](#) (School of Science and Engineering, The Chinese University of Hong Kong, China)
Visual Attention and Haptic Control: a Cross-Study ([abstract](#))
- 14:30 [Mingxing Xu](#) (Department of Electronic Engineering, Shanghai Jiao Tong University., China)
[Wenrui Dai](#) (Department of Computer Science and Engineering, Shanghai Jiao Tong University, China)
[Yangmei Shen](#) (Department of Electronic Engineering, Shanghai Jiao Tong University., China)
[Hongkai Xiong](#) (Department of Electronic Engineering, Shanghai Jiao Tong University., China)
Msgcnn: Multi-Scale Graph Convolutional Neural Network for Point Cloud Segmentation ([abstract](#))
- 15:00 [Ziling Huang](#) (National Tsing Hua University, Taiwan)
[Zheng Wang](#) (National Institute of Informatics, Japan)
[Tzu-Yi Hung](#) (Delta Research Center, Singapore)
[Shin'ichi Satoh](#) (National Institute of Informatics, Taiwan)
[Chia-Wen Lin](#) (National Tsing Hua University, Taiwan)
Group Re-Identification via Transferred Representation and Adaptive Fusion ([abstract](#))
- 15:30 [Salman Shaikh](#) (National Institute of Advanced Industrial Science and Technology (AIST), Japan)
[Akiyoshi Matono](#) (National Institute of Advanced Industrial Science and Technology (AIST), Japan)
[Kyoung-Sook Kim](#) (Tokyo Institute of Technology, Japan)
A Distance-Window Based Real-Time Processing of Spatial Data Streams ([abstract](#))
- 16:00-16:40 Coffee Break
- 16:40-17:30 Session 5: Industry Keynote: Dr. Leslie Liu

CHAIR: [Rajiv Ratn Shah](#) (IIIT Delhi, India)

LOCATION: [Guild Hall \(Level 1\)](#)

18:00-21:00 Reception & Recruiting Event

CHAIR:

[Roger Zimmermann](#) (National University of Singapore, Singapore)

Thursday, September 12th

View this program: [with abstracts](#) [session overview](#) [talk overview](#)

07:30-08:30 Registration

LOCATION: [Lobby](#)

08:30-09:30 Session 6: Keynote 2: Prof. Cyrus Shahabi

CHAIR: [Jianquan Liu](#) (NEC Corporation, Japan)

LOCATION: [Guild Hall \(Level 1\)](#)

09:30-10:00 Coffee Break

10:00-11:30 Session 7: Regular: Deep learning & analysis

CHAIR:

[Baoning Niu](#) (Taiyuan University of Technology, China)

LOCATION: [Guild Hall \(Level 1\)](#)

10:00 [Yucheng Xu](#) (Shanghai Jiao Tong University, China)

[Li Song](#) (Shanghai Jiao Tong University, China)

[Rong Xie](#) (Shanghai Jiao Tong University, China)

[Wenjun Zhang](#) (Shanghai Jiao Tong University, China)

Deep Video Inverse Tone Mapping ([abstract](#))

10:22 [Shengwei Zhao](#) (Chinese Academy of Sciences, China)

[Xindi Gao](#) (Chinese Academy of Sciences, China)

[Shikun Li](#) (Chinese Academy of Sciences, China)

[Shiming Ge](#) (Chinese Academy of Sciences, China)

Low-Resolution Face Recognition in the Wild with Mixed-Domain Distillation ([abstract](#))

10:44 [Bohui Xia](#) (The University of Tokyo, Japan)

[Xueting Wang](#) (The University of Tokyo, Japan)

[Toshihiko Yamasaki](#) (The University of Tokyo, Japan)

[Kiyoharu Aizawa](#) (The University of Tokyo, Japan)

[Hiroyuki Seshime](#) (Septeni Ltd., Japan)

Deep Neural Network-Based Click-Through Rate Prediction Using Multimodal Features of Online Banners ([abstract](#))

11:06 [Wenjia Wang](#) (Tongji University, China)

Text Detection with Cascade Fpn and Channel-Wise Feature Selective ([abstract](#))

11:30-13:00 Session 8: Regular/Industry: Novel applications

CHAIR:

[Seon Ho Kim](#) (University of Southern California, United States)

LOCATION: [Guild Hall \(Level 1\)](#)

11:30 [Maitree Leekha](#) (Delhi Technological University, India)

[Mononito Goswami](#) (Delhi Technological University, India)

[Yifang Yin](#) (National University of Singapore, Singapore)

[Rajiv Ratn Shah](#) (IIIT-Delhi, India)

[Roger Zimmermann](#) (National University of Singapore, Singapore)

[Regular] Are You Paying Attention? Detecting Distracted Driving in Real-Time ([abstract](#))

11:52 [Wu Luo](#) (Shanghai Jiao Tong University, China)

[Jintao Wu](#) (Shanghai Jiao Tong University, China)

[Weiwei Liu](#) (Shanghai Jiao Tong University, China)

[Chongyang Zhang](#) (Shanghai Jiao Tong University, China)

[Weiyao Lin](#) (Shanghai Jiao Tong University, China)

[Regular] Improving Action Recognition with Valued Patches Exploiting ([abstract](#))

12:14 [Ranjodh Singh](#) (Humonics Global Pvt. Ltd., India)

[Mohit Sharma](#) (MIDAS, Indraprastha Institute of Information Technology, Delhi, India)

[Hemant Yadav](#) (MIDAS, Indraprastha Institute of Information Technology, Delhi, India)

[Sandeep Gosain](#) (Humonics Global Pvt. Ltd., India)

[Rajiv Ratn Shah](#) (MIDAS, Indraprastha Institute of Information Technology, Delhi, India)

[Industry] Automatic Speech Recognition for Real Time Systems ([abstract](#))

12:36 [Ranjodh Singh](#) (Humonics Global Pvt. Ltd., India)

[Meghna P Ayyar](#) (MIDAS, Indraprastha Institute of Information Technology, Delhi, India)

[Tata Sri Pavan](#) (Humonics Global Pvt. Ltd., India)

[Sandeep Gosain](#) (Humonics Global Pvt. Ltd., India)

[Rajiv Ratn Shah](#) (MIDAS, Indraprastha Institute of Information Technology, Delhi, India)

[Industry] Automating Car Insurance Claims Using Deep Learning Techniques ([abstract](#))

13:00-14:00 Lunch Break

14:00-16:00 Session 9A: Short: Content analysis

CHAIR:

[Chiranjay Chattopadhyay](#) (Indian Institute of Technology Jodhpur Rajasthan, India, India)

LOCATION: [Right Chamber \(Level 1\)](#)

14:00 [Tianwei Chen](#) (Graduate School of Informatics, Kyoto University, Kyoto, Japan, Japan)
[Qiang Ma](#) (Graduate School of Informatics, Kyoto University, Kyoto, Japan, Japan)

Discriminative Object Discovery Towards Personalized Sightseeing Spot Recommendation ([abstract](#))

14:17 [Baani Leen Kaur Jolly](#) (IIIT Delhi, India)
[Palash Aggrawal](#) (IIIT Delhi, India)
[Surabhi S. Nath](#) (IIIT Delhi, India)
[Viresh Gupta](#) (IIIT Delhi, India)
[Manraj Singh Grover](#) (IIIT Delhi, India)
[Rajiv Ratn Shah](#) (IIIT Delhi, India)

Generating Universal Embeddings from EEG Signals for Learning Diverse Intelligent Tasks ([abstract](#))

14:34 [Ashima Yadav](#) (Delhi Technological University, Delhi, India)
[Ayush Agarwal](#) (www.dtu.ac.in, India)
[Dinesh Kumar Vishwakarma](#) (www.dtu.ac.in, India)

XRA-Net Framework for Visual Sentiments Analysis ([abstract](#))

14:51 [Chhavi Dhiman](#) (Delhi Technological University, Delhi, India)
[Manan Saxena](#) (Delhi Technological University, Delhi, India)
[Dinesh Kumar Vishwakarma](#) (Delhi Technological University, Delhi, India)

Skeleton-Based View Invariant Deep Features for Human Activity Recognition ([abstract](#))

15:08 [Dhruva Sahrawat](#) (IIITD, India)
[Mohit Agarwal](#) (IIITD, India)
[Sanchit Sinha](#) (IIITD, India)
[Aditya Adhikary](#) (IIITD, India)
[Mansi Agarwal](#) (DTU, India)
[Rajiv Ratn Shah](#) (IIITD, India)
[Roger Zimmermann](#) (NUS, Singapore)

Video Summarization Using Global Attention with Memory Network and Lstm ([abstract](#))

15:25 [Tej Singh](#) (Delhi Technological University, Delhi, India)
[Shivam Rustagi](#) (Delhi Technological University, Delhi, India)
[Aakash Garg](#) (Delhi Technological University, Delhi, India)

[Dinesh Kumar Vishwakarma](#) (Delhi Technological University, Delhi, India)
Deep Learning Framework for Single and Dyadic Human Activity Recognition ([abstract](#))

14:00-16:00 Session 9B: Short: Applications

CHAIR:

[Ralf Steinmetz](#) (Techn. Universitaet Darmstadt, Germany)

LOCATION: [Left Chamber \(Level 1\)](#)

14:00 [Shengzhou Yi](#) (The University of Tokyo, Japan)
[Xueting Wang](#) (The University of Tokyo, Japan)
[Toshihiko Yamasaki](#) (The University of Tokyo, Japan)

Impression Prediction of Oral Presentation Using LSTM and Dot-Product Attention Mechanism ([abstract](#))

14:17 [Xiaoyan Wang](#) (Beijing Key Laboratory of Digital Media, School of Computer Science and Engineering, Beihang University, China)
[Hai-Miao Hu](#) (Beijing Key Laboratory of Digital Media, School of Computer Science and Engineering, Beihang University, China)
[Yugui Zhang](#) (Beijing Key Laboratory of Digital Media, School of Computer Science and Engineering, Beihang University, China)

Pedestrian Detection Based on Spatial Attention Module for Outdoor Video Surveillance ([abstract](#))

14:34 [Yi-Ning Chen](#) (National Taiwan Normal University, Taiwan)
[Mei-Chen Yeh](#) (National Taiwan Normal University, Taiwan)

Photo Filter Recommendation Through Analyzing Objects, Scenes and Aesthetics ([abstract](#))

14:51 [Kajal Kansal](#) (IIIT-Delhi, India)
[A.V. Subramanyam](#) (IIIT-Delhi, India)

Autoencoder Ensemble for Person Re-Identification ([abstract](#))

15:08 [Naoto Inoue](#) (The University of Tokyo, Japan)

[Toshihiko Yamasaki](#) (The University of Tokyo, Japan)
Fast Instance Segmentation for Line Drawing Vectorization ([abstract](#))

15:25 [Xian-Hua Han](#) (Yamaguchi University, Japan)
[Yen-Wei Chen](#) (Ritsumeikan University, Japan)
Deep Residual Network of Spectral and Spatial Fusion for Hyperspectral Image Super Resolution ([abstract](#))

14:00-16:00 Session 9C: Short: Media processing

CHAIR:

[Yifang Yin](#) (National University of Singapore, Singapore)

LOCATION: [Inner Chamber \(Level 1\)](#)

14:00 [A. A. Patwardhan](#) (IIT Hyderabad, India)
[S. Das](#) (IIT Hyderabad, India)
[S. Varshney](#) (IIT Hyderabad, India)
[M. S. Desarkar](#) (IIT Hyderabad, India)
[D. P. Dogra](#) (IIT Bhubaneswar, India)

ViTag: Automatic Video Tagging Using Segmentation and Conceptual Inference ([abstract](#))

- 14:17 [Hao Xie](#) (School of Software and Microelectronics of Peking University, China)
[Guoqing Xiang](#) (School of Electronics Engineering and Computer Science of Peking University, China)
[Hong Yu](#) (School of Software and Microelectronics of Peking University, China)
[Wei Yan](#) (School of Software and Microelectronics of Peking University, China)
Perceptual Fast Cu Size Decision Algorithm for Avs2 Intra Coding ([abstract](#))
- 14:34 [Trong-Dat Phan](#) (University of Science, VNU-HCMC, Viet Nam)
[Minh-Son Dao](#) (National Institute of Information and Communications Technology, Japan)
[Koji Zettsu](#) (NICT, Japan)
An Interactive Watershed-Based Approach for Lifelog Moment Retrieval ([abstract](#))
- 14:51 [Donglin Di](#) (Harbin Institute of Technology, China)
[Xindi Shang](#) (National University of Singapore, Singapore)
[Weinan Zhang](#) (Harbin Institute of Technology, China)
[Xun Yang](#) (National University of Singapore, Singapore)
[Tat-Seng Chua](#) (National University of Singapore, Singapore)
Multiple Hypothesis Video Relation Detection ([abstract](#))
- 15:08 [Anh-Khoa Vo](#) (Natural Science University - Vietnam National University in HCM City, Viet Nam)
[Minh-Son Dao](#) (National Institute of Information and Communications Technology, Japan)
[Koji Zettsu](#) (National Institute of Information and Communications Technology, Japan)
From Chaos to Order: the Role of Content and Context of Daily Activities in Rearranging Lifelogs Data ([abstract](#))
- 15:25 [Yongqing Sun](#) (NTT Media Intelligence Labs, Japan)
[Pranav Shenoy K P](#) (Georgia Institute of Technology, United States)
[Jun Shimamura](#) (NTT Media Intelligence Labs, Japan)
[Atsushi Sagata](#) (NTT Media Intelligence Labs, Japan)
Concatenated Feature Pyramid Network for Instance Segmentation ([abstract](#))

16:00-16:30 Coffee Break

16:30-17:30 Session 10A: Posters (all regular and short papers)


CHAIRS: [Jianquan Liu](#) (NEC Corporation, Japan)
[Rajiv Ratn Shah](#) (IIIT Delhi, India)

LOCATION: [Right Chamber \(Level 1\)](#)

16:30-17:30 Session 10B: Demos

CHAIR: [D. P. Dogra](#) (IIT Bhubaneswar, India)

LOCATION: [Left Chamber \(Level 1\)](#)

- 16:30 [Jiong Huang](#) (Grab, China)
[Sheng Hu](#) (Grab, China)
[Yun Wang](#) (Grab, China)
[Chunhong Zhao](#) (Grab, China)
[Guanfeng Wang](#) (Grab, Singapore)
[Xudong He](#) (Grab, China)
[Xiaocheng Huang](#) (Grab, Singapore)
[Shaolin Zheng](#) (Grab, China)
[Tom Galloway](#) (Grab, United States)
[Yifang Yin](#) (National University of Singapore, Singapore)
[Roger Zimmermann](#) (National University of Singapore, Singapore)
GrabView: a Scalable Street View System for Images Taken from Different Devices ([abstract](#))
- 16:30 [Satoshi Yoshida](#) (NEC corporation, Japan)
[Jianquan Liu](#) (NEC corporation, Japan)
[Shoji Nishimura](#) (NEC corporation, Japan)
A Robust People Tracking Method in Multiple Cameras ([abstract](#))
- 16:30 [Jieliang Ang](#) (National University of Singapore, Singapore)
[Tianyuan Fu](#) (National University of Singapore, Singapore)
[Johns Paul](#) (National University of Singapore, Singapore)
[Shuhao Zhang](#) (National University of Singapore, Singapore)
[Bingsheng He](#) (National University of Singapore, Singapore)
[Teddy Sison David Wenceslao](#) (Grab Taxi, Singapore, Singapore)
[Sienyi Tan](#) (Grab Taxi, Singapore, Singapore)
Trav: an Interactive Trajectory Exploration System ([abstract](#)) 

18:00-21:00 Banquet

CHAIR:

[Roger Zimmermann](#) (National University of Singapore, Singapore)

Friday, September 13th

View this program: [with abstracts](#) [session overview](#) [talk overview](#)

07:30-08:30 Registration

LOCATION: [Lobby](#)

08:30-09:30 Session 11: Keynote 3: Prof. Ralf Steinmetz

CHAIR: [Rajiv Ratn Shah](#) (IIIT Delhi, India)

LOCATION: [Guild Hall \(Level 1\)](#)

09:30-10:00 Coffee Break

10:00-11:30 Session 12: Regular: New theory & models

CHAIR:

[Santanu Chaudhury](#) (Indian Institute of Technology Jodhpur, India)

LOCATION: [Guild Hall \(Level 1\)](#)

10:00 [Renjie Chu](#) (School of Information and Computer, Taiyuan University of Technology, China)

[Baoning Niu](#) (School of Information and Computer, Taiyuan University of Technology, China)

[Shanshan Yao](#) (Institute of Big Data Science and Industry, Shanxi University, China)

[Jianquan Liu](#) (Biometrics Research Laboratories, NEC Corporation, China)

Peak-Based Philips Fingerprint Robust to Pitch-Shift for Massive Audio Retrieval ([abstract](#))

10:22 [Himanshu Aggarwal](#) (Indraprastha Institute of Information Technology Delhi, India)

[Rajiv Shah](#) (Indraprastha Institute of Information Technology Delhi, India)

[Suhua Tang](#) (The University of Electro-Communications, Japan)

[Feida Zhu](#) (Singapore Management University, Singapore)

Supervised Generative Adversarial Cross-Modal Hashing by Transferring Pairwise Similarities for Venue Discovery ([abstract](#))

10:44 [Minhua Zhang](#) (Ministry of Education Key Lab for Intelligent Networks and Network Security, Xi'an Jiaotong University, China)

[Youtian Du](#) (Ministry of Education Key Lab for Intelligent Networks and Network Security, Xi'an Jiaotong University, China)

[Guangxun Zhang](#) (Ministry of Education Key Lab for Intelligent Networks and Network Security, Xi'an Jiaotong University, China)

[Yujie Xie](#) (Ministry of Education Key Lab for Intelligent Networks and Network Security, Xi'an Jiaotong University, China)

[Fuyuan Cao](#) (Ministry of Education Key Lab for Intelligent Networks and Network Security, Xi'an Jiaotong University, China)

Online Social Information Propagation Analysis Based on Time-Delay Mixture Diffusion Model ([abstract](#))

11:06 [Harsh Shrivastava](#) (MIDAS Lab, IIIT, Delhi, India)

[Rama Krishna P.V.N.S](#) (MIDAS Lab, IIIT, Delhi, India)

[Karmanya Aggarwal](#) (MIDAS Lab, IIIT, Delhi, India)

[Meghna P Ayyar](#) (MIDAS Lab, IIIT, Delhi, India)

[Yifang Yin](#) (NUS, Singapore)

[Rajiv Ratn Shah](#) (MIDAS Lab, IIIT, Delhi, India)

[Roger Zimmermann](#) (National University of Singapore, Singapore)

Robust and Scalable Face Retrieval

Framework for Large-Scale Databases

([abstract](#))

11:30-13:00 Session 13: BigMM / TCMC Meeting

CHAIR:

[Roger Zimmermann](#) (National University of Singapore, Singapore)

LOCATION: [Guild Hall \(Level 1\)](#)

13:00-14:00 Lunch Break

14:00-16:00 Session 14A: Invited: Security & Privacy

CHAIR: [Yongqing Sun](#) (NTT, Japan)

LOCATION: [Right Chamber \(Level 1\)](#)

14:00 [Vikram Patil](#) (SUNY Albany, United States)

[Shivam B. Parikh](#) (SUNY Albany, United States)

[Pradeep K. Atrey](#) (SUNY Albany, United States)

GeoSecure-O: a Method for Secure Distance Calculation for Travel Mode Detection Using Outsourced GPS Trajectory Data ([abstract](#))

14:30 [Chao Wu](#) (Zhejiang University, China)

[Fengda Zhang](#) (Zhejiang University, China)

[Fei Wu](#) (Zhejiang University, China)

Distributed Modelling Approaches for Data Privacy Preserving ([abstract](#))

15:00 [Jiali Liang](#) (Shanghai University, China)

[Dan Zeng](#) (Shanghai University, China)

[Shuaijun Chen](#) (Huawei Noah's Ark Lab, China)

[Qi Tian](#) (Huawei Noah's Ark Lab, China)

Related Attention Network for Person Re-Identification ([abstract](#))

15:30 [Akshay Agarwal](#) (IIIT Delhi, India, India)

[Akarsha Sehwal](#) (IIIT-Delhi, India, India)

[Richa Singh](#) (IIIT-Delhi, India, India)

[Mayank Vatsa](#) (IIIT-Delhi, India, India)

Deceiving Face Presentation Attack Detection via Image Transforms ([abstract](#))

14:00-16:00 Session 14B: Workshop: BD-CDH'19

<https://digitalhumanitiesitj.weebly.com/cdh.html>

CHAIR: [Naimul Khan](#) (Ryerson University, Canada)

LOCATION: [Inner Chamber \(Level 1\)](#)

14:00

- [Chiranjoy Chattopadhyay](#) (Indian Institute of Technology Jodhpur, India)
Welcome to the BD:CDH 2019 ([abstract](#))
- 14:15 [Santanu Chaudhury](#) (Indian Institute of Technology Jodhpur, India)
Keynote Address ([abstract](#))
- 15:45 [Naimul Khan](#) (Ryerson University, Canada)
Introducing the presenters & their research titles ([abstract](#))
- 14:00-16:00** Session 14C: Invited: BigMM techniques for novel applications
- CHAIR: [Keiji Yanai](#) (The University of Electro-Communications, Japan)
- LOCATION: [Left Chamber \(Level 1\)](#)
- 14:00 [Yifeng Wang](#) (Shanghai University, China)
[Dan Zeng](#) (Shanghai University, China)
Deep Domain Adaptation on Vehicle Re-Identification ([abstract](#))
- 14:30 [Shinji Oyama](#) (The University of Tokyo, Japan)
[Toshihiko Yamasaki](#) (The University of Tokyo, Japan)
Visual Clarity Analysis and Improvement Support for Presentation Slides ([abstract](#))
- 15:00 [Zeeshan Ahmad](#) (Ryerson University, Canada)
[Naimul Mefraz Khan](#) (Ryerson University, Canada)
Multidomain Multimodal Fusion for Human Action Recognition Using Inertial Sensors ([abstract](#))
- 15:30 [Chengcheng Wei](#) (University of Science and Technology of China, China)
[Wengang Zhou](#) (University of Science and Technology of China, China)
[Junfu Pu](#) (University of Science and Technology of China, China)
[Houqiang Li](#) (University of Science and Technology of China, China)
Deep Grammatical Multi-Classifer for Continuous Sign Language Recognition ([abstract](#))
- 16:00-16:30** Coffee Break
- 16:30-18:00** Session 15A: Workshop: BD-CDH'19
<https://digitalhumanitiesiitj.weebly.com/cdh.html>
- CHAIR: [Naimul Khan](#) (Ryerson University, Canada)
- LOCATION: [Inner Chamber \(Level 1\)](#)
- 16:30 [Rui Oliveira Lopes](#) (Faculty of Arts and Social Sciences, Brunei Darussalam)
Digitizing Architectural Heritage in Brunei Darussalam Towards Cultural Safeguarding, Tourism Development and Education ([abstract](#))

- 16:48 [Uday Kulkarni](#) (KLE Technological University, India)
[Meena S.M](#) (KLE Technological University, India)
[Sunil Gurlahosur](#) (KLE Technological University, India)
[Uma Mudengudi](#) (KLE Technological University, India)
[Pratiksha Benagi](#) (KLE Technological University, India)
[Shashidhara Vyakarana](#) (KLE Technological University, India)
Classification of Cultural Heritage Sites Using Transfer Learning ([abstract](#))
- 17:06 [Arjun Ghosh](#) (Indian Institute of Technology Delhi, India)
Using N-Grams to Identify Edit Wars on Wikipedia ([abstract](#))
- 17:24 [Mahak Jain](#) (Microsoft, India)
[Anurag Sanyal](#) (Simon Fraser University, Canada)
[Shreya Goyal](#) (Indian Institute of Technology Jodhpur, India, India)
[Chiranjoy Chattopadhyay](#) (Indian Institute of Technology Jodhpur, India, India)
[Gaurav Bhatnagar](#) (Indian Institute of Technology Jodhpur, India, India)
A Framework for the Conversion of Textual BigData into 2D Architectural Floor Plan ([abstract](#))
- 17:42 [Julian True](#) (Ryerson University, Canada)
[Naimul Khan](#) (Ryerson University, Canada)
Novel Segmentation Metric for Use in Augmented Reality Advertisement Integration ([abstract](#))
- 16:30-18:00** Session 15B: Workshop: MLIAU'19
<http://mlp.sci.yamaguchi-u.ac.jp/MLIAU2019/>
- CHAIRS: [Xian-Hua Han](#) (Yamaguchi University, Japan)
[Yongqing Sun](#) (NTT, Japan)
- LOCATION: [Left Chamber \(Level 1\)](#)
- 16:30 [Weiyao Lin](#) (Shanghai Jiao Tong University, China)
Keynote: Semantic information extraction and compression in large-scale multimedia systems ([abstract](#))
- 17:15 [Xian-Hua Han](#) (Yamaguchi University, Japan)
[Yen-Wei Chen](#) (Ritsumeikan University, Japan)
Residual Component Estimating CNN for Image Super-Resolution ([abstract](#))
- 17:30 [Hitkul Jangid](#) (Indraprastha Institute of Information Technology, Delhi, India)
[Rajiv Ratan Shah](#) (Indraprastha Institute of Information Technology, Delhi, India)
[Ponnurangam Kumaraguru](#) (Indraprastha Institute of Information Technology, Delhi, India)

[Shin'ichi Satoh](#) (National Institute of Informatics,
Tokyo, Japan)

**Maybe Look Closer? Detecting Trolling Prone
Images on Instagram** ([abstract](#))

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