

Multimedia Evaluation Workshop
MediaEval 2022 Program
12-13 January 2023
Bergen, Norway and Online

Wed 11 January 17:00 - ca 18:30 Welcome drink (Location: Scandic Ørnen, Lars Hilles gate 18, 5008 Bergen)

Day 1: Thu 12 January 08:30 - 15:00 (17:00) CET

8:30 - 9:00	Workshop registration
9:00 - 10:30	(Location: Redaksjonsrom) Keynote and opening of MediaEval Keynote presentation: Multi-perspective modelling of complex concepts - the case of olfactory history & heritage Presenter: Marieke van Erp (Royal Netherlands Academy of Arts and Sciences, Humanities Cluster), and an organizer of the MUSTI task Chair: Raphaël Troncy (EURECOM, France) Guardian: Kiymet Akdemir (Boğaziçi University)
10:30 - 11:00	Break
11:00 - 12:00	(Location: Fellesareal, Læringslab) Chair: Stelios Andreadis (CERTH-ITI, Greece) Guardian: Ricardo Kleinlein (Universidad Politécnica de Madrid, Spain)

	Workshop Welcome and Presentation session: Urban Air: Urban Life and Air Pollution
11:00 - 11:05	Workshop Welcome Steven Hicks (SimulaMet, Norway) and Gabi Constantin (University Politehnica of Bucharest, Romania)
11:05 - 11:15	Overview presentation: Overview of MediaEval 2022 Urban Air: Urban Life and Air Pollution. Minh-Son Dao, Thanh-Hai Dang, Tan Loc Nguyen Tai, Thanh Binh Nguyen and Duc Tien Dang Nguyen Presenter: Minh-Son Dao (National Institute of Information and Communications Technology, Japan)
11:15 - 11:20	HCMUS in MediaEval 2022 - Urban Air - Periodic frequent pattern discovery. Duc-Huy Tran, Vinh-Thuyen Nguyen-Truong, Xuan-Cuong Le, Minh-Triet Tran and Hai-Dang Nguyen Presenter-r: Duc-Huy Tran ("HCMC University of Science and John von Neumann Institute, VNU-HCM, Vietnam)
11:20 - 11:25	Forecasting long-term Urban Air Quality Index using multi-model Khanh-Linh Vo, Nguyen Phuc Gia Nghi, Hao Pham and Nghiem Diep Tuong Presenter-r: Nghiem Diep Tuong (VNU University of Science, Vietnam)
11:25 - 11:30	Managing Large Dataset Gaps in Urban Air Quality Prediction: DCU-Insight-AQ at MediaEval 2022 Dinh Viet Cuong, Phuc H. Le-Khac, Adam Stapleton, Elke Eichleemann, Mark Roantree and Alan Smeaton Presenter: Alan Smeaton (Dublin City University, Ireland)
11:30 - 11:35	CNN-GRU for Air Quality Index Forecasting Van-Tien Nguyen, Hai-Dang Nguyen and Minh-Triet Tran Presenter-r: Van-Tien Nguyen (University of Science, VNU-HCM, Vietnam)
11:35 - 11:40	Time Series Prediction Of AQI using Facebook Prophet and YOLOV5 Omer Qureshi, Muhammad Osaid, Muhammad Atif Tahir and Muhammad Nouman Durrani Presenter-r: Omer Qureshi (National University of Computer and Emerging Sciences, Pakistan)

11:40 - 11:50	Special Presentation on Benchmarking Infrastructure. Presenter: Minh-Son Dao (National Institute of Information and Communications Technology, Japan)	
12:00 - 13:00	Lunch Break	
13:00 - 14:00	(Location: Fellesareal, Læringslab) Chair: Johannes Langguth (Simula Research Laboratory, University of Bergen, Norway) Guardian: Leonard Hacker (University Leipzig, Germany) Presentation session: NewsImages Presentation: Emotional Mario	(Location: Seminar Room 1) Technical Retreat: Urban Air (Led by: Minh-Son Dao) (Location: Seminar Room 2) Technical Retreat (pre-session): DisasterMM (Led by: Stelios Andreadis)
13:00 - 13:10	Overview presentation: News Images in MediaEval 2022 <i>Benjamin Kille, Andreas Lommatzsch, Özlem Özgöbek, Mehdi Elahi and Duc Tien Dang Nguyen</i> Presenter: Özlem Özgöbek (NTNU, Norway)	
13:10-13:15	Cross-modal networks and dual softmax operation for MediaEval NewsImages 2022 <i>Damianos Galanopoulos and Vasileios Mezaris</i> Presenter: Vasileios Mezaris (Centre for Research & Technology Hellas, Greece)	
13:15 - 13:20	Image-Text Re-Matching with Zero-shot and Finetuning of CLIP Yuta Fukatsu and Masaki Aono Presenter-r: Yuta Fukatsu (Toyohashi Univ. of Technology, Japan)	

13:20 - 13:25	CLIP Pretrained Model Application: Cross-modal Retrieval Yang Zhang, Yi Shao, Wenbo Wan, Jing Li and Jiande Sun Presenter-r: Yang Zhang (Shandong Normal University, China)	
13:25 - 13:30	Textual Concept Expansion for Text-Image Matching within Online News Content Mingliang Liang and Martha Larson Presenter: Mingliang Liang (Radboud University, Netherlands)	
13:30 - 13:35	An Ensemble Approach Towards Correlating Articles and their Corresponding Images Sudhanva Rajesh, Ashwath Krishnan and Bhaskarjyoti Das Presenter: Ashwath Krishnan (PES University, India)	
	Re-matching Images and News Using CLIP Pretrained Model Huu-Nghia Vu, Hai-Dang Nguyen, Minh-Triet Tran Presenter-r: Huu-Nghia Vu	
13:45 - 14:00	Presentation session: Emotional Mario: A Game Analytics Challenge Presenter: Mathias Lux	
14:00 - 14:30	Break	
14:30 - 14:50	(Location: Fellesareal, Læringslab) Chair: Graham Healy (Dublin City University, Ireland) Guardian: Lorin Sweeney (Dublin City University, Ireland)	(Locations: Seminar Room 1) Technical Retreat (pre-session): Fake News (Led by: Johannes Langguth)

	Presentation session: Predicting Video Memorability - Part 1	
14:30 - 14:40	Overview presentation: Overview of The MediaEval 2022 Predicting Video Memorability Task <i>Lorin Sweeney, Mihai Gabriel Constantin, Claire-Hélène Demarty, Camillo Fosco, Alba Garcia Seco de Herrera, Sebastian Halder, Graham Healy, Bogdan Ionescu, Ana Matran-Fernandez, Alan F. Smeaton and Mushfika Sultana</i> Presenter: Alan Smeaton (Dublin City University, Ireland)	
14:40 - 14:45	Modelling of Video Memorability using Ensemble Learning and Transformers <i>Muhammad Mustafa Ali Usmani, Sumaiyah Zahid and Muhammad Atif Tahir</i> Presenter-r: Muhammad Mustafa Ali Usmani (National University of Computer & Emerging Sciences, Pakistan)	
14:45 - 14:50	AlMultimediaLab at MediaEval 2022: Predicting Media Memorability Using Video Vision Transformers and Augmented Memorable Moments <i>Mihai Gabriel Constantin and Bogdan Ionescu</i> Presenter: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania)	
14:50 - 15:00	MediaEval 2022 Photo Session	
15:00 - 17:00	Culture Tour (Meet at the venue, wear walking shoes.)	
18:00	Workshop Dinner (included in the registration) It will be held at Bryggeloftet & Stuene Restaurant	



Day 2: Fri 13 January 08:30 - 17:15 CET

8:30 - 09:00	Registration
9:00-9:45	(Location: Redaksjonsrom) Chair: Alan Smeaton (Dublin City University, Ireland) Guardian: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) Presentation session: Predicting Video Memorability - Part 2
09:00 - 09:05	Video Memorability prediction using deep features and loss-based memorability distribution estimation Safaa Azzakhnini, <i>Olfa Ben-Ahmed and Christine Fernandez-Maloigne</i> Presenter-r: Safaa Azzakhnini (University of Poitiers, France)
09:05 - 09:10	Textual analysis for video memorability prediction Camille Guinaudeau and <i>Andreu Girbau Xalabarder</i> Presenter: Camille Guinaudeau (Japanese-French Laboratory for Informatics, Japan)
09:10 - 09:15	Predicting Video Memorability Using a Model Pretrained with Natural Language Supervision Mirko Agarla, <i>Luigi Celona and Raimondo Schettini</i> Presenter-r: Mirko Agarla (University of Milano-Bicocca, Italy)
09:15 - 09:20	Visual Recognition of the Memento10k dataset: A P300 component ERP study Rachelle Hamelink Presenter: Rachelle Hamelink (Radboud University, Netherlands)

09:20 - 09:25	Understanding Media Memorability From Event-Related Potential Records And Visual Semantics <i>Ricardo Kleinlein, Enrique Rodríguez Sebastián and Fernando Fernández-Martínez</i> Presenter: Ricardo Kleinlein (Universidad Politécnica de Madrid, Spain)	
09:25 - 09:30	Understanding and Exploring the Factors Affecting Video Memorability <i>Muhammad Mustafa Ali Usmani, Sumaiyah Zahid and Muhammad Atif Tahir</i> Presenter-r: Muhammad Mustafa Ali Usmani (National University of Computer & Emerging Sciences, Pakistan)	
09:30 - 09:35	Multi-model Estimators and Ensembler-based Regressors for Predicting Video Memorability <i>Gokul Prakash R, Bhuvana J, Eeswara Anvesh Chodisetty, Arjun Mukesh and Mirnalinee T T</i> Presenter-r: Eeswara Anvesh Chodisetty (Sri Sivasubramaniya Nadar College of Engineering, India)	
09:35 - 09:40	Diffusing Surrogate Dreams of Video Scenes to Predict Video Memorability <i>Lorin Sweeney, Graham Healy and Alan Smeaton</i> Presenter: Lorin Sweeney (Dublin City University, Ireland)	
09:45 - 10:30	(Location: Redaksjonsrom) Chair: Raphaël Troncy (EURECOM, France) Guardian: Jane Arleth Dela Cruz (Radboud University, Netherlands) Presentation session: FakeNews Detection - Part 1	(Location: Seminar Room 1) Tech retreat: Memorability (Led by: Lorin Sweeney, Graham Healy and Mihai Gabriel Constantin)
09:45 - 09:55	Overview presentation: Combining Tweets and Connections Graph for FakeNews Detection at MediaEval 2022 <i>Konstantin Pogorelov, Daniel Thilo Schroeder, Stefan Brenner, Asep Maulana and Johannes Langguth</i>	

	Presenter: Johannes Langguth (Simula Research Laboratory, University of Bergen, Norway)	
09:55 - 10:00	BERT Based Fake News Detection Model Yang Zhang, Yi Shao, Wenbo Wan, Jing Li and Jiande Sun Presenter-r: Yang Zhang (Shandong Normal University, China)	
10:00 - 10:05	Identifying Misinformation Spreaders: A Graph-Based Semi-Supervised Learning Approach Atta Ullah, Rabeeh Ayaz Abbasi, Akmal Khattak and Anwar Said Presenter-r: Atta Ullah (Quaid-i-Azam University Islamabad, Pakistan)	
10:05 - 10:10	Graph Neural Network for Fake News Detection and Classification of Unlabelled Nodes at MediaEval 2022 Asep Maulana, Konstantin Pogorelov, Daniel Thilo Schroeder and Johannes Langguth Presenter: Asep Maulana (Simula Research Laboratory, Norway)	
10:10 - 10:15	Transformers and GNNs for Fake News Detection Stefano Bocconi, Alessandro Patruno and Andrey Malakhov Presenter: Stefano Bocconi (Zephyros Solution, Netherlands)	
10:15 - 10:20	Representational learning for the detection of COVID related conspiracy spreaders in online platforms Adrian Giron-Jimenez, Angel Panizo Lledot, Javier Torregrosa and David Camacho Presenter-r: Angel Panizo Lledot (Universidad Politécnica de Madrid, Spain)	
10:30 - 11:00	Break	

11:00 - 12:00	(Location: Redaksjonsrom) Chair: Vasileios Mezaris (CERTH-ITI, Greece) Guardian: Steven Hicks (SimulaMet, Norway) and online Jordan Calandre (University of La Rochelle, France) Presentation session: FakeNews Detection - Part 2 Presentation session: Sport Task: Fine Grained Action Detection and Classification of Table Tennis Strokes from Videos. Presentation session: SwimTrack: Swimmers and Stroke Rate Detection in Elite Race Videos
11:00 - 11:05	Classifying Text-Based Conspiracy Tweets related to COVID-19 using Contextualized Word Embeddings Abdul Rehman, Rabeeh Ayaz Abbasi, Irfan Ul Haq Qureshi and Akmal Khattak Presenter: Abdul Rehman (Quaid-i-Azam University, Pakistan)
11:05 - 11:10	Evaluating TF-IDF and Transformers-based models for Detecting COVID-19 related Conspiracies Rohullah Akbari Presenter: Rohullah Akbari (Simula Research Laboratory, Norway)
11:10 - 11:15	Detection of COVID-19-Related Conspiracy Theories in Tweets using Transformer-Based Models and Node Embedding Techniques Youri Peskine, Paolo Papotti and Raphaël Troncy Presenter-r: Youri Peskine (EURECOM, France)
11:15 - 11:20	Tackling Covid-19 Conspiracies on Twitter using BERT Ensembles, GPT-3 Augmentation, and Graph NNs Damir Korenčić, Ivan Grubišić, Gretel Liz De La Peña Sarracén, Alejandro Hector Toselli, Berta Chulvi and Paolo Rosso Presenter: Damir Korenčić (Universitat Politècnica de València, Spain)

11:20 - 11:30	Overview Presentation: Sport Task: Fine Grained Action Detection and Classification of Table Tennis Strokes from Videos for MediaEval 2022 <i>Pierre-Etienne Martin, Jordan Calandre, Boris Mansencal, Jenny Benois-Pineau, Renaud Péteri, Laurent Mascarilla and Julien Morlier</i> Presenter: Pierre-Etienne Martin (Max Planck Institute for Evolutionary Anthropology, Germany)	(Location: Seminar Room 1) Technical retreat: News Images (Led by: Özlem Özgöbek)
11:30 - 11:35	Baseline Method for the Sport Task of MediaEval 2022 with 3D CNNs using Attention Mechanism <i>Pierre-Etienne Martin</i> Presenter: Pierre-Etienne Martin (Max Planck Institute for Evolutionary Anthropology, Germany)	
11:35 - 11:40	Fine-Grained Action Detection with RGB and Pose Information using Two Stream Convolutional Networks <i>Finn Bartels, Leonard Hacker and Pierre-Etienne Martin</i> Presenter: Leonard Hacker (University Leipzig, Germany)	
11:40 - 11:50	Overview Presentation: SwimTrack: Swimmers and Stroke Rate Detection in Elite Race Videos <i>Nicolas Jacquelin, Jaunet Théo, Romain Vuillemot and Duffner Stefan</i> Presenter-r: Romain Vuillemot (École Centrale de Lyon, LIRIS, France)	
12:00 - 13:00	Lunch Break	

13:00 - 14:00	(Location: Redaksjonsrom) Chair: Steven Hicks (SimulaMet) Guardian: Finn Bartels (University Leipzig, Germany) and online Ali Hürriyetoglu (KNAW Humanities Cluster, Netherlands) Presentation session: Medical Multimedia Task: Transparent Tracking of Spermatozoa Presentation session: MUSTI - Multimodal Understanding of Smells in Texts and Images Presentation session: NjordVid: Fishing Trawler Video Analytics Task	(Locations: Seminar Room 1) Technical retreat: Fake News (Led by: Johannes Langguth)
13:00 - 13:10	Overview Presentation: Medico Multimedia Task at MediaEval 2022: Transparent Tracking of Spermatozoa <i>Vajira Thambawita, Steven Hicks, Andrea Storås, Jorunn Andersen, Oliwia Witczak, Trine B. Haugen, Hugo Hammer, Thu Nguyen, Pål Halvorsen and Michael Riegler</i> Presenter: Vajira Thambawita (SimulaMet, Norway)	
13:10 - 13:15	Tail-Aware Sperm Analysis for Transparent Tracking of Spermatozoa <i>Tuan-Luc Huynh, Huu-Hung Nguyen, Xuan-Nhat Hoang, Thao Thi Phuong Dao, Tien-Phat Nguyen, Viet-Tham Huynh, Hai-Dang Nguyen, Trung-Nghia Le and Minh-Triet Tran</i> Presenter-r: Tuan-Luc Huynh (University of Science, VNU-HCM, Vietnam)	
13:15 - 13:20	Tracking of Spermatozoa by YOLOv5 detection and StrongSORT with OSNet tracker <i>Martin Kosela, Jakub Aszyk, Mateusz Jarek, Jakub Klimek, and Tomasz Prokop</i> Presenter: Mateusz Jarek (Independent Researcher)	

13:20 - 13:30	Overview Presentation: MUSTI - Multimodal Understanding of Smells in Texts and Images at MediaEval 2022 <i>Ali Hürriyetoglu, Teresa Paccosi, Stefano Menini, Mathias Zinnen, Pasquale Lisena, Kiymet Akdemir, Raphaël Troncy and Marieke van Erp</i> Presenter: Mathias Zinnen (Friedrich-Alexander-Universität, Germany)	
13:30 - 13:35	Multilingual Text-Image Olfactory Object Matching Based on Object Detection <i>Yi Shao, Yang Zhang, Wenbo Wan, Jing Li and Jiande Sun</i> Presenter-r: Yi Shao (Shandong Normal University, China)	
13:35 - 13:40	Multimodal and Multilingual Understanding of Smells using ViBERT and mUNITER <i>Kiymet Akdemir, Ali Hürriyetoglu, Raphaël Troncy, Teresa Paccosi, Stefano Menini, Mathias Zinnen and Vincent Christlein</i> Presenter: Kiymet Akdemir (Boğaziçi University)	
13:40 - 13:50	Overview Presentation: NjordVid: A Fishing Trawler Video Analytics Task <i>Tor-Arne Nordmo, Aril Ovesen, Håvard Johansen, Dag Johansen and Michael Riegler</i> Presenter: Tor-Arne Nordmo (University of Tromsø, Norway)	
13:50 - 13:55	Addressing Generalization Failure in Deep Detection Models for Fishing Trawler Video Analytics <i>Birk Torpmann-Hagen, Pål Halvorsen, Michael Riegler and Dag Johansen</i> Presenter: Birk Torpmann-Hagen (SimulaMet, Norway)	

14:00 - 14:30	Break
14:30 - 15:15	(Location: Redaksjonsrom) Chair: Minh-Son Dao (National Institute of Information and Communications Technology, Japan) Guardian: Rachelle Hamelink (Radboud University, Netherlands) Presentation session: DisasterMM: Multimedia Analysis of Disaster-Related Social Media Data
14:30 - 14:40	Overview Presentation: DisasterMM: Multimedia Analysis of Disaster-Related Social Media Data Task at MediaEval 2022 <i>Stelios Andreadis, Aristeidis Bozas, Ilias Gialampoukidis, Anastasia Moumtzidou, Roberto Fiorin, Francesca Lombardo, Thanassis Mavropoulos, Daniele Norbiato, Stefanos Vrochidis, Michele Ferri and Ioannis Kompatsiaris</i> Presenter: Stelios Andreadis (Information Technologies Institute - Centre of Research and Technology Hellas, Greece)
14:40 - 14:45	Model Fusion for Efficient Flood-Related Twitter Posts Detection <i>Stelios Kontogiannis, Georgia Christodoulou and Konstantinos Avgerinakis</i> Presenter-r: Stelios Kontogiannis (Catalink Limited, Nicosia, Cyprus)
14:45 - 14:50	Floods Relevancy and Identification of Location from Twitter Posts using NLP Techniques <i>Muhammad Suleman, Muhammad Asif, Tayyab Zamir, Ayaz Mehmood, Jebran Khan, Nasir Ahmad and Kashif Ahmad</i> Presenter-r: Ayaz Mehmood (University of Engineering and Technology, Pakistan)
14:50 - 14:55	Relevance Classification of Flood-related Twitter Posts via Multiple Transformers <i>Wisal Mukhtiar, Waliya Rizwan, Aneela Habib, Yasir Saleem Afridi, Laiq Hassan and Kashif Ahmad</i> Presenter-r: Wisal Mukhtiar (University of Engineering and Technology, Pakistan)

14:55 - 15:00	HFFD: Hybrid Fusion Based Multimodal Flood Relevance Detection <i>Yi Shao, Yang Zhang, Ye Jiang, Wenbo Wan, Jing Li and Jiande Sun</i> Presenter-r: Yi Shao (Shandong Normal University, China)
15:00 - 15:05	Understanding Fine-tuned BERT Models for Flood Location Extraction on Twitter Data <i>Jane Arleth Dela Cruz, Iris Hendrickx and Martha Larson</i> Presenter: Jane Arleth Dela Cruz (Radboud University, Netherlands)
15:15 - 16:30	Technical retreats: Disaster MM (Redaksjonsrom) (Led by Stelios Andreadis) Sports Video and NjordVid (Seminar Room 1) (Led by Pierre-Etienne Martin and Tor-Arne Nordmo) Medico (Meeting Room 1) (Led by Vajira Thambawita) MUSTI (Seminar Room 2) (Led by Marieke van Erp and Mathias Zinnen)
16:30 - 17:15	Award Ceremony: MediaEval Distinctive Mentions Workshop closing and outlook to MediaEval 2023 Presenter: Martha Larson (Radboud University, Netherlands)

Day 3: Sat 14 Jan Organizers meeting

9:00-12:00 Location: Meeting Room at MediaFutures, 3rd floor, tower 1, Media City Bergen

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