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 Eichlemann, 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 Comm	nunications 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 Benjamin Kille, Andreas Lommatzsch, Özlem Özgöbek, Mehdi Elahi and Duc Tien Dang Nguyen Presenter: Özlem Özgöbek (NTNU, Norway)	
13:10-13:15	Cross-modal networks and dual softmax operation for MediaEval NewsImages 2022 Damianos Galanopoulos and Vasileios Mezaris 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)	

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)	
Textual Concept Expansion for Text-Image Matching within Online News Content Mingliang Liang and Martha Larson	
Presenter: Mingliang Liang (Radboud University, Netherlands)	
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	
Presentation session: Emotional Mario: A Game Analytics Challenge Presenter: Mathias Lux	
Break	
(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)
	Yang Zhang, Yi Shao, Wenbo Wan, Jing Li and Jiande Sun Presenter-r: Yang Zhang (Shandong Normal University, China) Textual Concept Expansion for Text-Image Matching within Online News Content Mingliang Liang and Martha Larson Presenter: Mingliang Liang (Radboud University, Netherlands) 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 Presentation session: Emotional Mario: A Game Analytics Challenge Presenter: Mathias Lux Break (Location: Fellesareal, Læringslab) Chair: Graham Healy (Dublin City University, Ireland)

	Presentation session: Predicting Video Memorability - Part 1
14:30 - 14:40	Overview presentation: Overview of The MediaEval 2022 Predicting Video Memorability Task 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 Presenter: Alan Smeaton (Dublin City University, Ireland)
14:40 - 14:45	Modelling of Video Memorability using Ensemble Learning and Transformers Muhammad Mustafa Ali Usmani, Sumaiyah Zahid and Muhammad Atif Tahir 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 Mihai Gabriel Constantin and Bogdan Ionescu 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, Olfa Ben-Ahmed and Christine Fernandez-Maloigne
	Presenter-r: Safaa Azzakhnini (University of Poitiers, France)
09:05 - 09:10	Textual analysis for video memorability prediction Camille Guinaudeau and Andreu Girbau Xalabarder
	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, Luigi Celona and Raimondo Schettini
	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 Ricardo Kleinlein, Enrique Rodríguez Sebastián and Fernando Fernández-Martínez	
	Presenter: Ricardo Kleinlein (Universidad Politécnica de Madrid, Spain	n)
09:25 - 09:30	Understanding and Exploring the Factors Affecting Video Memorability Muhammad Mustafa Ali Usmani, Sumaiyah Zahid and Muhammad	
	Presenter-r: Muhammad Mustafa Ali Usmani (National University of C Pakistan)	omputer & Emerging Sciences,
09:30 - 09:35	Multi-model Estimators and Ensembler-based Regressors for Prediction Gokul Prakash R, Bhuvana J, Eeswara Anvesh Chodisetty, Arjun Mu	•
	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 Memora Lorin Sweeney, Graham Healy and Alan Smeaton	ability
	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)	(Location: Seminar Room 1) Tech retreat: Memorability (Led by: Lorin Sweeney, Graham Healy and Mihai Gabriel Constantin)
	Presentation session: FakeNews Detection - Part 1	
09:45 - 09:55	Overview presentation: Combining Tweets and Connections Graph for FakeNews Detection at MediaEval 2022 Konstantin Pogorelov, Daniel Thilo Schroeder, Stefan Brenner, Asep Maulana and Johannes Langguth	

	David Camacho Presenter-r: Angel Panizo Lledot (Universidad Politécnica de Madrid, Spain)
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
10:10 - 10:15	Transformers and GNNs for Fake News Detection Stefano Bocconi, Alessandro Patruno and Andrey Malakhov Presenter: Stefano Bocconi (Zephyros Solution, Netherlands)
10:05 - 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)
10:00 - 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)
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)
	Presenter: Johannes Langguth (Simula Research Laboratory, University of Bergen, Norway)

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 Conpiracy 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 Pierre-Etienne Martin, Jordan Calandre, Boris Mansencal, Jenny Benois-Pineau, Renaud Péteri, Laurent Mascarilla and Julien Morlier 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 Pierre-Etienne Martin 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 Finn Bartels, Leonard Hacker and Pierre-Etienne Martin Presenter: Leonard Hacker (University Leipzig, Germany)	
11:40 - 11:50	Overview Presentation: SwimTrack: Swimmers and Stroke Rate Detection in Elite Race Videos Nicolas Jacquelin, Jaunet Théo, Romain Vuillemot and Duffner Stefan 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)	(Locations: Seminar Room 1) Technical retreat: Fake News (Led by: Johannes Langguth)
	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	
13:00 - 13:10	Overview Presentation: Medico Multimedia Task at MediaEval 2022: Transparent Tracking of Spermatozoa Vajira Thambawita, Steven Hicks, Andrea Storås, Jorunn Andersen, Oliwia Witczak, Trine B. Haugen, Hugo Hammer, Thu Nguyen, Pål Halvorsen and Michael Riegler Presenter: Vajira Thambawita (SimulaMet, Norway)	
13:10 - 13:15	Tail-Aware Sperm Analysis for Transparent Tracking of Spermatozoa 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 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 Martin Kosela, Jakub Aszyk, Mateusz Jarek, Jakub Klimek, and Tomasz Prokop Presenter: Mateusz Jarek (Independent Researcher)	

13:20 - 13:30	Overview Presentation: MUSTI - Multimodal Understanding of Smells in Texts and Images at MediaEval 2022 Ali Hürriyetoğlu, Teresa Paccosi, Stefano Menini, Mathias Zinnen, Pasquale Lisena, Kiymet Akdemir, Raphaël Troncy and Marieke van Erp Presenter: Mathias Zinnen (Friedrich-Alexander-Universität, Germany)
13:30 - 13:35	Multilingual Text-Image Olfactory Object Matching Based on Object Detection Yi Shao, Yang Zhang, Wenbo Wan, Jing Li and Jiande Sun Presenter-r: Yi Shao (Shandong Normal University, China)
13:35 - 13:40	Multimodal and Multilingual Understanding of Smells using VilBERT and mUNITER Kiymet Akdemir, Ali Hürriyetoğlu, Raphaël Troncy, Teresa Paccosi, Stefano Menini, Mathias Zinnen and Vincent Christlein Presenter: Kiymet Akdemir (Boğaziçi University)
13:40 - 13:50	Overview Presentation: NjordVid: A Fishing Trawler Video Analytics Task Tor-Arne Nordmo, Aril Ovesen, Håvard Johansen, Dag Johansen and Michael Riegler Presenter: Tor-Arne Nordmo (University of Tromsø, Norway)
13:50 - 13:55	Addressing Generalization Failure in Deep Detection Models for Fishing Trawler Video Analytics Birk Torpmann-Hagen, Pål Halvorsen, Michael Riegler and Dag Johansen 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 Stelios Andreadis, Aristeidis Bozas, Ilias Gialampoukidis, Anastasia Moumtzidou, Roberto Fiorin, Francesca Lombardo, Thanassis Mavropoulos, Daniele Norbiato, Stefanos Vrochidis, Michele Ferri and Ioannis Kompatsiaris 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 Stelios Kontogiannis, Georgia Christodoulou and Konstantinos Avgerinakis Presenter-r: Stelios Kontogiannis (Catalink Limited, Nicosia, Cyprus)
14:45 - 14:50	Floods Relevancy and Identification of Location from Twitter Posts using NLP Techniques Muhammad Suleman, Muhammad Asif, Tayyab Zamir, Ayaz Mehmood, Jebran Khan, Nasir Ahmad and Kashif Ahmad Presenter-r: Ayaz Mehmood (University of Engineering and Technology, Pakistan)
14:50 - 14:55	Relevance Classification of Flood-related Twitter Posts via Multiple Transformers Wisal Mukhtiar, Waliiya Rizwan, Aneela Habib, Yasir Saleem Afridi, Laiq Hassan and Kashif Ahmad Presenter-r: Wisal Mukhtiar (University of Engineering and Technology, Pakistan)

14:55 - 15:00	HFFD: Hybrid Fusion Based Multimodal Flood Relevance Detection Yi Shao, Yang Zhang, Ye Jiang, Wenbo Wan, Jing Li and Jiande Sun Presenter-r: Yi Shao (Shandong Normal University, China)
15:00 - 15:05	Understanding Fine-tuned BERT Models for Flood Location Extraction on Twitter Data Jane Arleth Dela Cruz, Iris Hendrickx and Martha Larson 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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