Multimedia Evaluation Workshop
MediaEval 2021 Program
13-15 December 2021, Online

Day 1: Monday 13 December 14:00-18:30 CET

14:00 - 14:45 Welcome (45 min.)	Opening presentation: General introduction and guided tour of all tasks **Location: Radboud Zoom**	
14:45 - 15:00	15 min Break	
15:00 - 15:45 Session 1 (45 mins)	Chair: Stelios Andreadis (CERTH-ITI, Greece) Guardian: Nick Pantelidis (CERTH-ITI, Greece) **Presentation session:** **WaterMM: Water Quality in Social Multimedia** **and** **Emotional Mario: A Games Analytics Challenge** **Location: Radboud Zoom**	Chair: Dmitry Bogdanov (Universitat Pompeu Fabra) Guardian: Alastair Porter (Universitat Pompeu Fabra) **Presentation session:** **Emotions and Themes in Music** **and** **Emerging News: Detecting Emerging Stories from Social Media and News Feeds** **Location: Simula Zoom**
15:00 - 15:10	**Overview Presentation:** WaterMM: Water Quality in Social Multimedia Task at MediaEval 2021 *Presenter: Aristeidis Bozas (Information Technologies Institute, Centre for Research and Technology Hellas, Greece)*	**Overview Presentation:** MediaEval 2021: Emotion and Theme Recognition in Music Using Jamendo *Presenter: Philip Tovstogan (Music Technology Group, Universitat Pompeu Fabra, Barcelona, Spain)*

15:10 - 15:15	NLP Techniques for Water Quality Analysis in Social Media Content *Presenter: Muhammad Asif Ayub (Department of Computer Systems Engineering, University of Engineering and Technology, Peshawar, Pakistan)*	Recognizing Song Mood and Theme: Clustering-based Ensembles *Presenter: Andreas Peintner (Universität Innsbruck, Austria)*
15:15 - 15:20	Deep learning based framework for classification of water quality in social media data *Presenter: Muhammad Hanif Soomro (National University of Computer and Emerging Sciences, Karachi Campus, Pakistan)*	Semi-supervised music emotion recognition using noisy student training and harmonic pitch class profiles *Presenter: Hao Hao Tan (Independent Researcher, Malaysia)*
15:20 - 15:30	**Overview Presentation:** Emotional Mario Task at MediaEval 2021 *Presenter: Mathias Lux (Klagenfurt University, Austria)*	Frequency Dependent Convolutions for Music Tagging *Presenter: Vincent Bour (lileonardo, France)*
15:25 - 15:30		SELAB-HCMUS at MediaEval 2021: Music Theme and Emotion Classification with Co-teaching Training Strategy *Presenter: Phu-Thinh Pham (University of Science, VNUHCM, Vietnam)*
15:30 - 15:35	Emotional Mario: A Games Analytics Challenge: MediaEval 2021t *Presenter: Kseniia Harshina (Klagenfurt University, Austria)*	**Overview Presentation:** Emerging News task: Detecting emerging events from social media and news feeds *Presenter: Marc Gallofré Ocaña (University of Bergen, Norway)*
15:35 - 15:40	A Preliminary Assessment of Game Event Detection in Emotional Mario Task at MediaEval 2021 *Presenter: Van-Tu Ninh (Dublin City University, Ireland)*	

15:40 - 15:45		Detection of emerging news from live news stream based on categorization of news annotations *Presenter: Omar Meriwani (Real Science, UK)*
15:45 - 16:15	30 min Break	
16:15 - 17:00 Session 2 (45 mins)	Chair: Renaud Péteri (MIA, La Rochelle, France) Guardian: Jordan Calandre (MIA, La Rochelle, France) **Presentation session:** **Sports Video: Fine Grained Action Detection and Classification of Table Tennis Strokes from Videos** **Location: Radboud Zoom**	Chair: Kashif (Hamad Bin Khalifa University, Qatar) Guardian: Zohaib (SimulaMet, Norway) **Presentation session:** **Visual Sentiment Analysis: A Natural Disaster Use-Case** **Location: Simula Zoom**
16:15 - 16:25	**Overview Presentation:** Sports Video: Fine-Grained Action Detection and Classification of Table Tennis Strokes from videos for MediaEval 2021 *Presenter: Pierre-Etienne MARTIN* (CCP department - Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany)	**Overview Presentation:** Visual Sentiment Analysis: A Natural Disaster Use-case Task at MediaEval 2021 *Presenter: Zohaib (SimulaMet, Norway)*
16:25 - 16:30	Spatio-Temporal CNN baseline method for the Sports Video Task of MediaEval 2021 benchmark *Presenter: Pierre-Etienne MARTIN* (CCP department - Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany)	Combining Multiple Deep-learning-based Image Features for Visual Sentiment Analysis *Presenter: Alexandros Pournaras (CERTH-ITI, Greece)*
16:30 - 16:35	HCMUS at MediaEval 2021: Ensembles of Action Recognition Networks with Prior Knowledge for Table Tennis Strokes Classification Task	Deep Models for Visual Sentiment Analysis of Disaster-related Multimedia Content

	Presenter: Gia-Bao Dinh Ho (University of Science, HCM-VNU)	*Presenter: Khubaib Ahmad (University of Engineering and Technology, Peshawar, Pakistan)*
16:35 - 16:40	YOLOV5 for Stroke Detection and Classification in Table Tennis *Presenter: Jayasooryan S (Sri Sivasubramaniya Nadar College of Engineering, India)*	Visual Sentiment Analysis Multiplying Deep learning and Vision Transformers *Presenter: Tetsuya Asakawa (Toyohashi University of Technology, Japan)*
16:40 - 16:45	Learning Unbiased Transformer for Long-Tail Sports Action Classification *Presenter: Yijun Qian (Carnegie Mellon University)*	Disaster based Visual Sentiment Analysis using Deep Learning *Presenter: Mohsin Ali (National University of Computer & Emerging Sciences, Pakistan)*
16:45 - 16:50	Two Stream Network for Stroke Detection in Table Tennis *Presenter: Anam Zahra* (CCP department - Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany)	HCMUS at MediaEval 2021: Efficient methods of Metadata Embedding and Augmentation for Visual Sentiment Analysis *Presenter: Bang-Dang Pham (University of Science, HCM-VNU, Vietnam)*
17:00 - 17:15	15 min Break	
17:15-17:30 (15 min)	Plenary announcements: Important information **Location: Radboud Zoom**	
17:30-18:30 (60 min)	Technical Retreat: WaterMM, Emerging news, Emotional Mario, Emotions and Themes in Music **Location: Discord (Join the voice channel of the task to participate in the retreat for that task.)**	

Day 2: Tuesday 14 December 14:00-18:30 CET

14:00 - 15:00 Session 1 (60 min.)	Technical Retreat: Sports Video, Visual Sentiment **Location: Discord (Join the voice channel of the task to participate in the retreat for that task.)**	
15:00 - 15:15	15 min Break	
15:15 - 16:15 Session 2 (60 min.)	Chair: Benjamin Kille (NTNU, Norway) Guardian: Özlem Özgöbek (NTNU, Norway) **Presentation session:** **NewsImages** **Location: Radboud Zoom**	Chair: Thu Nguyen (SimulaMet, Norway) Guardian: Saeed Sabet (SimulaMet, Norway) **Presentation session:** **Medico: Transparency in Medical Image Segmentation** **Location: Simula Zoom**
15:15 - 15:25	**Overview Presentation:** News Images in MediaEval 2021 *Presenter: Andreas Lommatzch (TU Berlin, Germany)*	**Overview Presentation:** Medico Multimedia Task at MediaEval 2021: Transparency in Medical Image Segmentation *Presenter: Hugo Hammer (OsloMet, Norway)*
15:25 - 15:30	Image-Text Rematching for News Items using Optimized Embeddings and CNNs in MediaEval NewsImages 2021 *Presenter: Tom Sühr (TU Berlin, Germany)*	Unsupervised Image Segmentation via Self-Supervised Learning Image Classification *Presenter: Andrea Storås (SimulaMet, Norway)*
15:30 - 15:35	Image-Text Re-Matching Using Swin Transformer and DistilBERT *Presenter: Yuta Fukatsu (Toyohashi University of Technology, Japan)*	Predictive Uncertainty Masks from Deep Ensembles in Automated Polyp Segmentation *Presenter: Felicia Ly Jacobsen (University of Oslo, Norway)*

15:35 - 15:40	Exploring a Pre-trained Model for Re-Matching News Texts and Images *Presenter: Mingliang Liang (Radboud University, Netherlands)*	Efficient U-Net for Polyps Segmentation *Presenter: Quoc-Huy Trinh (University of Science, VNU-HCM,Vietnam)*
15:40 - 15:45	Visual Topic Modelling for NewsImage Task at MediaEval 2021 *Presenter: Elaine Zosa (University Helsinki)*	Medico 2021: Medical Image Augmentation and Segmentation using Combination of Segmentation Neural Networks *Presenter: Zeshan Khan (NUCES, Pakistan)*
15:45 - 15:50	NewsSeek-NOVA at MediaEval 2021: Context-enriched Multimodal Transformers For News Images Re-matching *Presenter: Cláudio Bartolomeu (NOVA LINCS, Lisbon, Portugal)*	Automated Polyp Segmentation in Colonoscopy using MSRFNet *Presenter: Abhisek Srivastava (Indian Statistical Institute, India)*
15:50 - 15:55	Methods for Text-Image-Rematchig using Pair-wise Similarity and Canonical Similarity Analysis *Presenter: Alex Vasileiou (TU Berlin, Germany)*	A Study on Test-time augmentation and Attention Mechanism in DeepLabv3+ for Deep Learning-based Segmentation *Presenter: Sy-Phuc Pham (Chonnam National University, South Korea)*
15:55 - 16:00	HCMUS at MediaEval 2021: Fine-tuning CLIP for Automatic News-Images Re-Matching *Presenter: Trí Cao Thiên (University of Science, Ho Chi Minh city, Vietnam)*	HCMUS at MediaEval2021: Polyps Segmentation using TransFuse with Focal Tversky Loss *Presenter: Nhat-Khang Ngo (University of Science, Ho Chi Minh city, Vietnam)*
16:00 - 16:05	DL-TXST NewsImages: Contextual Feature Enrichment for Image-Text Re-matching *Presenter: Yuxiao Zhou (Texas State University, San Marcos, TX, U.S.A.)*	HCMUS at MediaEval2021: PointRend with Attention Fusion Refinement for Polyps Segmentation *Presenter: E-Ro Nguyen (University of Science, Ho Chi Minh City, Vietnam)*

16:05 - 16:10	Deep Embedding-based Multimodal Matching for News Articles: Exploring the Effects of Transfer Learning & Data Augmentation *Presenter: Martin Zehetner (TU Berlin, Germany)*	
16:15-16:45	30 min Break	
16:45 - 17:45 Session 3 (60 min.)	Technical Retreat: NewsImages, Medico **Location: Discord (Join the voice channel of the task to participate in the retreat for that task.)**	
17:45 - 18:30	Social activity **Location: Wonder**	

Day 3: Wednesday 15 December 14:00-18:30 CET

14:00 - 14:30 Session 1 (30 min)	Chair: Daniel Thilo Schroeder (Simula, Norway) Guardian: Johannes Langguth (Simula, Norway) **Presentation session:** **FakeNews: Corona Virus and Conspiracies Multimedia Analysis Task** **Location: Radboud Zoom**	Chair: Minh-Son Dao (NICT, Japan) Guardian: Thanh-Binh Nguyen (HCMUS-Vietnam) **Presentation session:** **Insight for Wellbeing: Cross-Data Analytics for (transboundary) Haze Prediction** **Location: Simula Zoom**
14:00 - 14:10	**Overview Presentation:** FakeNews: Corona Virus and Conspiracies Multimedia Analysis Task at MediaEval 2021 *Presenter: Konstantin Pogorelov (Simula, Norway)*	**Overview Presentation:** Overview of Insight for Wellbeing Task at MediaEval 2021: Cross-Data Analytics for Transboundary Haze Prediction *Presenter: Asem Kasem (Universiti Teknologi Brunei)*

14:10 - 14:15	Don't Just Drop Them: Function Words as Features in COVID-19 Related Fake News Classification on Twitter *Presenter: Pascal Schröder (Radboud University, Netherlands)*	Air Quality Estimation Using LSTM and New Data Processing Techniques *Presenter: Anh Ton (University of Science, Ho Chi Minh City, Vietnam)*
14:15 - 14:20	Classifying COVID-19 Conspiracy Tweets with Word Embedding and BERT *Presenter: Yuta Yanagi (University of Electro-Communications, Japan)*	Multimodal Deep Learning for Transboundary Haze Prediction *Presenter: Mohammed Saleem (Universiti Teknologi Brunei)*
14:20 - 14:25	Short text classification using TF-IDF features and fast text learner *Presenter: Zeshan Khan (NUCES, Pakistan)*	Towards Time Series Forecasting of Cross-Data Analytics for Haze Prediction *Presenter: Ali Akbar (National University of Computer and Emerging Sciences, Pakistan)*
14:25 - 14:30	HCMUS at MediaEval2021: Content-Based Misinformation Detection Using Contextualized Word Embedding from BERT *Presenter: Phu-Van Nguyen (University of Science, Ho Chi Minh City, Vietnam)*	Insights for Wellbeing: Predicting PM10 Values Using Stacking Ensemble Model *Presenter: Thi Thuy Nga Duong (HCMC University of Natural Resources and Environment, Vietnam)*
14:30 - 15:00	30 min Break	
15:00 - 16:00 Session 2 (60 min.)	**FakeNews: Corona Virus and Conspiracies Multimedia Analysis Task** – continuation **Location: Radboud Zoom**	Chair: Alba Garcia Seco De Herrera (University of Essex) Guardian: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Presentation session:** **Predicting Media Memorability** **Location: Simula Zoom**

15:00 - 15:05	On The Pursuit of Fake News : Graph Neural Networks meets NLP *Presenter: Zeynep Pehlivan (Institut national de l'audiovisuel, France)*	**Overview Presentation:** Overview of The MediaEval 2021 Predicting Media Memorability Task *Presenter: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania)*
15:05 - 15:10	HCMUS MediaEval 2021: Multi-model decision method applied on Data Augmentation for COVID-19 conspiracy theories classification *Presenter: Tuan-An To (University of Science, VNU-HCM, Viet Nam)*	
15:10 - 15:15	DL-TXST Fake News: Enhancing Tweet Content Classification with Adapted Language Models *Presenter: Muhieddine Shebaro (Texas State University, United States)*	Overview of the EEG Pilot Subtask at MediaEval 2021: Predicting Media Memorability *Presenter: Lorin Sweeney (Dublin City University, Ireland)*
15:15 - 15:20	Detecting COVID-19-Related Conspiracy Theories in Tweets *Presenter: Youri Peskine (EURECOM, France)*	Cross-modal Interaction for Video Memorability Prediction *Presenter: Youwei Lu (Communication University of China, China)*
15:20 - 15:25	On the Performance of Different Text Classification Strategies on Conspiracy Classification in Social Media *Presenter: Manfred Moosleitner (Universität Innsbruck, Austria)*	HCMUS at MediaEval2021: Attention-based Hierarchical Fusion Network for Predicting Media Memorability *Presenter: E-Ro Nguyen (University of Science, VNU-HCM, Vietnam)*
15:25 - 15:30	Detecting Fake News Conspiracies with Multitask and Prompt-Based Learning *Presenter: Cyrielle Mallart (Univ. Rennes, IRISA, France)*	Predicting Media Memorability: Comparing Visual, Textual, and Auditory Features *Presenter: Lorin Sweeney (Dublin City University, Ireland)*

15:30 - 15:35	MeVer team tackling Corona virus and Conspiracies using Ensemble Classification *Presenter: Olga Papadopoulou (Information Technologies Institute of Centre for Research and Technology-Hellas (CERTH-ITI), Greece)*	THAU-UPM at MediaEval 2021: From Video Semantics To Memorability Using Pretrained Transformers *Presenter: Ricardo Kleinlein (Universidad Politécnica de Madrid, Spain)*
15:35 - 15:40	Detecting COVID-19 Conspiracy Theories with Transformers and TF-IDF *Presenter: Haoming Guo (Multimedia Group, University of California, Berkeley, United States)*	Exploring Multimodality, Perplexity and Explainability for Memorability Prediction *Presenter: Alison Reboud (EURECOM, France)*
15:40 - 15:45	Closing remarks *Presenter: Johannes Langguth (Simula, Norway)*	Using Vision Transformers and Memorable Moments for the Prediction of Video Memorability *Presenter: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania)*
15:45 - 16:15	30 min Break	
16:15 - 17:15 Session 3 (60 min.)	Technical Retreat: FakeNews, Insight for Wellbeing, Memorability **Location: Discord (Join the voice channel of the task to participate in the retreat for that task.)**	
17:15 - 17:30	15 min Break	
17:30 - 17:45 Session 4 (15 min.)	Chair: Meredith Lee *(University of California, Berkeley, USA)* Guardian: Andrew Boka *(University of California, Berkeley, USA)* **Presentation session:** **Driving Road Safety Forward: Video Data Privacy** **Location: Radboud Zoom**	

17:30 - 17:40	**Overview Presentation:** Overview Paper for Driving Road Safety Forward: Video Data Privacy Task at MediaEval 2021 *Presenter:* Alex Liu *(University of California, Berkeley, USA)*
17:40 - 17:45	HCMUS at MediaEval 2021: Facial Data De-identification with Adversarial Generation and Perturbation Methods *Presenter: Trong-Thang, Thang-Long (University of Science, VNU-HCM, Viet Nam)*
17:45 - 18:30 Closing (45 min)	Announcement of the recipients of this year's Distinctive Mentions and closing presentation **Location: Radboud Zoom**

MediaEval 2021 Acknowledgements

The MediaEval Multimedia Evaluation benchmark is made possible by the combined efforts of a large number of people. Here, we would like to extend our thanks, and let these people know how very much their dedication and effort is appreciated.

MediaEval Coordination Committee (Workshop Organizers):
Steven Hicks (SimulaMet, Norway)
Martha Larson (Radboud University, Netherlands)
Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania)

Website:
Ricardo Manhães Savii (Dafiti Group, Brasil)

Special thanks to:
Ngoc-Thanh Nguyen Western Norway University of Applied Sciences, Norway)

MediaEval 2021 Task Organizers
(and other people who contributed to task design and organization):
Meredith Lee, University of California, Berkeley, USA
Gerald Friedland, University of California, Berkeley, USA
Alex Liu, University of California, Berkeley, USA
Andrew Boka, University of California, Berkeley, USA
Arjun Sarup, University of California, Berkeley, USA
Marc Gallofré Ocaña, University of Bergen, Norway
Andreas L. Opdahl, University of Bergen, Norway
Duc-Tien Dang-Nguyen, University of Bergen, Norway
Mathias Lux (Alpen-Adria-Universität Klagenfurt, Austria
Michael Riegler (SimulaMet Oslo, Norway)
Pål Halvorsen (SimulaMet Oslo, Norway)
Vajira Thambawita (SimulaMet Oslo, Norway)

Steven Hicks (SimulaMet Oslo, Norway)
Duc-Tien Dang-Nguyen (University of Bergen, Norway)
Kristine Jorgensen (University of Bergen, Norway)
Philip Tovstogan, Music Technology Group (Universitat Pompeu Fabra, Spain)
Dmitry Bogdanov, Music Technology Group (Universitat Pompeu Fabra, Spain)
Alastair Porter, Music Technology Group (Universitat Pompeu Fabra, Spain)
Konstantin Pogorelov, Simula Research laboratory (Simula, Norway)
Johannes Langguth, Simula Research laboratory (Simula, Norway)
Daniel Thilo Schroeder, Simula Research laboratory (Simula, Norway)
Asem Kasem (Universiti Teknologi Brunei, Brunei Darussalam)
Minh-Son Dao (NICT, Japan)
Ngoc-Thanh Nguyen (Western Norway University of Applied Sciences, Norway)
Duc-Tien Dang-Nguyen (University of Bergen, Norway)
Cathal Gurrin, (Dublin City University, Ireland)
Tran Minh Triet (HCMUS, Vietnam)
Nguyen Thanh Binh (HCMUS, Vietnam)
Wida Suhaili (Universiti Teknologi Brunei)
Andreas Lommatzsch (TU Berlin, Germany)
Benjamin Kille (TU Berlin, Germany)
Özlem Özgöbek (NTNU Trondheim, Norway)
Duc Tien Dang Nguyen (University of Bergen, Norway)
Mehdi Elahi (University of Bergen, Norway)
Alba García Seco de Herrera (University of Essex, UK)
Rukiye Savran Kiziltepe (University of Essex, UK)
Sebastian Halder (University of Essex, UK)
Ana Matrán Fernandez (University of Essex, UK)
Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania)
Bogdan Ionescu (University Politehnica of Bucharest, Romania)
Alan Smeaton (Dublin City University, Ireland)
Claire-Hélène Demarty (InterDigital, R&I, France)
Camilo Fosco (Massachusetts Institute of Technology, USA)
Lorin Sweeney (Dublin City University, Ireland)

Graham Healy (Dublin City University, Ireland)
Jordan Calandre (MIA, University of La Rochelle, France)
Pierre-Etienne Martin (Max Planck Institute for Evolutionary Anthropology, Germany)
Jenny Benois-Pineau (Univ. Bordeaux, CNRS, Bordeaux INP, LaBRI, France)

MediaEval Community Council 2020:
Martha Larson (Radboud University, Netherlands)
Minh-Son Dao (NICT, Japan)
Bogdan Ionescu (University Politehnica of Bucharest, Romania)
Gareth Jones (Dublin City University)

MediaEval is grateful for support from ACM SIGMM, the Special Interest Group on Multimedia

Main MediaEval Coordinator and Contact: Martha Larson (Radboud University, Netherlands) m.larson@cs.ru.nl