Multimedia Evaluation Workshop
MediaEval 2020 Program
11,14-15 December 2020, Online

The MediaEval Multimedia Evaluation benchmark offers tasks that are related to multimedia retrieval, analysis, and exploration. MediaEval focuses specifically on the human and social aspects of multimedia, and on multimedia systems that serve users. The tasks offer the opportunity for researchers to tackle challenges that bring together multiple modalities (visual, text, music, sensor data). We are happy to welcome you to the MediaEval 2020 Workshop. *If you find an error in your paper title or presenter name, please put a message in the #info_desk channel on Discord.*

Kickoff Friday 11 December: Kickoff 16:00-18:00 CET

16:00-16:45	Opening presentation: General introduction and guided tour of all tasks **Location: GotoMeeting**
16:45-17:00	Break
17:00-18:00	Icebreaker **Location: Discord (meet in plenary_voice)**

Day 1 Monday 14 December 14:00-19:00 CET

14:00 Session 1 (45 min.)	Chair: Dmitry Bogdanov (MTG-UPF, Spain) Guardian: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Presentation session:** ***Emotions and Themes in Music*** **Location: GotoMeeting**	Chairs: Minh-Son Dao (NICT, Japan) Guardian: Ngoc-Thanh Nguyen (VNUHCM-UIT, Vietnam) **Presentation session:** ***Insight for Wellbeing: Multimodal personal health lifelog data analysis*** **Location: Zoom**
10 min. (presentation)	**Overview Presentation:** MediaEval 2020:	**Overview Presentation:** Overview of MediaEval 2020

+ ~2 min. (questions)	Emotion and Theme Recognition in Music Using Jamendo. *Presenter: Philip Tovstogan (MTG-UPF, Spain)*	Insights for Wellbeing: Multimodal Personal Health Lifelog Data Analysis *Presenter: Peijiang Zhao (National Institute of Information and Communications Technology, Japan)*
3 min. (presentation) + ~2 min (questions)	Recognizing Song Mood and Theme: Leveraging Ensembles of Tag Groups *Presenter: Michael Vötter (Universität Innsbruck, Austria)*	A2QI: An approach for air pollution estimation in MediaEval 2020 *Presenter: Dat Q. Duong (VNUHCM-US, Vietnam)*
	Emotion and Theme Recognition in Music using Attention-based methods *Presenter: Srividya Tirunellai Rajamani (University of Augsburg, Germany)*	Personal Air Quality Index Prediction Using Inverse Distance Weighting Method *Presenter: Trung-Quan Nguyen (VNUHCM-UIT, Vietnam)*
	HCMUS at MediaEval 2020: Emotion Classification Using Wavenet Feature with SpecAugment and EfficientNet *Presenter: Tri-Nhan DoBang-Dang Pham (University of Science, Ho Chi Minh City, Vietnam)*	Use Visual Features From Surrounding Scenes to Improve Personal Air Quality Data Prediction Performance *Presenter: Trung-Quan Nguyen (VNUHCM-UIT, Vietnam)*
	Emotion and Themes Recognition in Music with Convolutional and Recurrent Attention-Blocks *Presenter: Maurice Gerczuk (University of Augsburg, Germany)*	PNU-CCIS at MediaEval 2020: Predicting Personal Air Quality Index through Regression Analysis *Presenter: Amel Ksibi (Princess Nourah Bint Abdulrahman University, Riyadh, Saudi Arabia)*
	MediaEval 2020 Emotion and Theme Recognition in Music Task: Loss Function Approaches for Multi-label Music Tagging *Presenter: Dillon Knox (University of Southern California, USA)*	Multimodal Personal Health Lifelog Data Analysis *Presenter: Nga Duong Thi Thuy (University of Natural Resources and Environment, Vietnam)*
	Recognizing Music Mood and Theme Using Convolutional Neural Networks and Attention *Presenter: Alish Dipani (Upload AI LLC, USA)*	

14:45 Break (15 min.)		
15:00 Technical Retreat 1 (45 min.)	Chair: Dmitry Bogdanov (MTG-UPF, Spain) Guardian: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Technical Retreat Discussion Session:** *Emotions and Themes in Music* **Location: Discord (isengard_voice)**	Chair: Minh-Son Dao (NICT, Japan) and Koji Zettsu (NICT, Japan) Guardian: Ngoc-Thanh Nguyen (VNUHCM-UIT, Vietnam) **Technical Retreat Discussion Session:** *Insight for Wellbeing: Multimodal personal health lifelog data analysis* **Location: Discord (winterfell_voice)**
15:45 Break (15 min.)		
16:00 Session 2 (60 min.)	Chair: Konstantin Pogorelov (Simula, Norway), Guardian: Zhuoran Liu (Radboud University, Netherlands) **Presentation session:** *FakeNews: Corona virus and 5G conspiracy* **Location: GotoMeeting**	Chair: Cise Midoglu (SimulaMet, Norway) Guardian: Steven Hicks (SimulaMet, Norway) **Presentation session:** *Medico automatic polyp segmentation challenge* **Location: Zoom**
10 min. (presentation) + ~2 min. (questions)	**Overview Presentation:** FakeNews: Corona Virus and 5G Conspiracy Task at MediaEval 2020 *Presenter: Daniel Thilo Schroeder (Simula, Norway)*	**Overview Presentation:** Medico Multimedia Task at MediaEval 2020: Automatic Polyp Segmentation *Presenter: Michael Riegler (SimulaMet, Norway)*
3 min. (presentation) + ~2 min (questions)	*(Extended presentation: The FakeNews task from a linguistic perspective)* You said it? How mis- and disinformation tweets surrounding the Corona-5G-conspiracy communicate through implying. *Presenter: Lynn de Rijk (Radboud University, Netherlands)*	Bigger Networks are not Always Better: Deep Convolutional Neural Networks for Automated Polyp Segmentation *Presenter: Adrian Krenzer (University of Würzburg, Germany)*
		Pyramid-Focus-Augmentation: Medical Image Segmentation with Step-Wise Focus

		Presenter: Vajira Thambawita (SimulaMet, Norway)
	Detecting Conspiracy Tweets using Support Vector Machines *Presenter: Manfred Moosleitner and Benjamin Murauer (University of Innsbruck, Austria)*	Generative Adversarial Networks for Automatic Polyp Segmentation *Presenter: Awadelrahman Mohamedelsadig Ali Ahmed (University of Oslo, Norway)*
	MediaEval 2020: An Ensemble-based Multimodal Approach for Coronavirus and 5G Conspiracy Tweet Detection *Presenter: Chahat Raj (Delhi Technological University, India) and Mihir Mehta (Indian Institute of Management Raipur, India)*	Transfer of Knowledge: Fine-tuning for Polyp Segmentation with Attention *Presenter: Rabindra Khadka (SimulaMet, Norway)*
	Fake News Classification with BERT *Presenter: Andrey Malakhov (Zephyros Solutions, Netherlands)*	HCMUS-Juniors 2020 at Medico Task in MediaEval 2020: Refined Deep Neural Network and UNet for Polyps Segmentation *Presenter: Quoc Huy Trinh (University of Science, Vietnam)*
	FakeNews Detection with Pre-trained Language Models and Graph Convolutional Networks *Presenter: Manh Duc Tuan Nguyen, (Toyo University, Japan)*	A Temporal-Spatial Attention Model for Medical Image Detection *Presenter: Xu Yong Si (National Sun Yat-sen University, Taiwan)*
	Fake News Detection in Social Media using Graph Neural Networks and NLP Techniques: A COVID-19 Use-case *Presenter: Abdullah Hamid (University of Engineering and Technology Peshawar, Pakistan)*	Deep Conditional Adversarial learning for polyp Segmentation *Presenter: Debapriya Banik (Jadavpur University, India)*
		Automatic Polyp Segmentation using Channel-Spatial Attention with Deep Supervision *Presenter: Sahadev Poudel (Gachon University, South Korea)*

17:00 Break (15 min.)		
17:15 Session 2 (45 min.)	**FakeNews: Corona virus and 5G conspiracy** - continuation **Location: GotoMeeting**	**Medico** - continuation **Location: Zoom**
	TIB's Visual Analytics Group at MediaEval '20: Detecting Fake News on Corona Virus and 5G Conspiracy *Presenter: Gullal Singh Cheema (Leibniz Information Centre for Science and Technology, Germany)*	Automatic Polyp Segmentation using Fully Convolutional Neural Network *Presenter: Nikhil Kumar Tomar (Indira Gandhi National Open University, India)*
	Using a Word Analysis Method and GNNs to classify Misinformation related to 5G-Conspiracy and the COVID-19 pandemic *Presenter: Ferdinand Schaal (Simula)*	Automatic Polyp Segmentation via Parallel Reverse Attention Network *Presenter: Ge-Peng Ji (Inception Institute of Artificial Intelligence (IIAI), China)*
	Detecting fake news in tweets from text and propagation graph: IRISA's participation to the FakeNews task at MediaEval 2020 *Presenter: Vincent Claveau (CNRS - IRISA, France)*	Real-time polyp segmentation using U-Net with IoU loss *Presenter: George Batchkala (University of Oxford, United Kingdom)*
	Evaluating Standard Classifiers for Detecting COVID-19 related Misinformation *Presenter: Daniel Thilo Schroeder (Technical University of Berlin and SimulaMet, Germany and Norway)*	Depth-wise Separable Atrous Convolution for Polyps Segmentation in Gastro-Intestinal Tract *Presenter: Syed Muhammad Faraz Ali (National University of Computer and Emerging Science, Pakistan)*
	Enriching Content Analysis of Tweets using Community Discovery Graph Analysis *Presenter: (Andrew Magill, Maria Tomasso, Jelena Tesic, Texas State University, US)*	HCMUS at Medico Automatic Polyp Segmentation Task 2020: PraNet and ResUnet++ for Polyps Segmentation *Presenter: Gia-Han Diep (University of Science, VNU-HCM, Vietnam)*
	Detecting Conspiracy Theories from Tweets:	Ensemble U-Net model for efficient polyp segmentation

	Textual and Structural Approaches *Presenter: Haoming Guo (University of California, Berkeley, United States of America)*	*Presenter: Shruti Shrestha (NAAMII, Nepal)*
	On the pursuit of Fake News : From Graph Convolutional Networks to Time Series *Presenter: Zeynep Pehlivan (INA, France)*	Efficient Supervision Net: Polyp Segmentation using Efficient net and Attention unit *Presenter: Suganya Ramamoorthy (Thiagarajar College of Engineering, India)*
	MeVer team tackling Corona virus and 5G conspiracy using ensemble classification based on BERT *Presenter: Olga Papadopoulou (CERTH-ITI, Greece)*	KD-ResUNet++: Automatic Polyp Segmentation via Self-Knowledge Distillation *Presenter: Jeonghwan Gwak (Korea National University of Transportation, South Korea)*
		Automatic Polyp Segmentation using U-Net-ResNet50 *Presenter: Saruar Alam (University of Bergen, Norway)*
18:00 Break (15 min.)		
18:15 Technical Retreat 2 (45 min.)	Chair: Konstantin Pogorelov (), Guardian: Zhuoran Liu (Radboud University, Netherlands) **Technical Retreat Discussion Session:** ***FakeNews: Corona virus and 5G conspiracy*** **Location: Discord (isengard_voice)**	Chair: Cise Midoglu (SimulaMet, Norway) Guardian: Steven Hicks (SimulaMet, Norway) **Technical Retreat Discussion Session:** ***Medico*** **Location: Discord (winterfell_voice)**

Day 2 Tuesday 15 December 14:00-19:00 All Times CET

14:00 Session 3 (45 min.)	Chair: Renaud Péteri (MIA, Univ. La Rochelle, France) Guardian: Boris Mansencal (LaBRI, Univ. Bordeaux, France), Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Presentation session:** *Sports Video Classification* **Location: GotoMeeting**	Chair: Stelios Andreadis (CERTH, Greece) Guardian: Nick Pantelidis (CERTH, Greece), Steven Hicks (SimulaMet, Norway) **Presentation session:** *Flood-related Multimedia* **Location: Zoom**
10 min. (presentation) + ~2 min. (questions)	**Overview presentation:** Sports Video Classification: Classification of Strokes in Table Tennis for MediaEval 2020 *Presenter: Pierre-Etienne Martin (Université de Bordeaux, LaBRI)*	**Overview presentation:** The Flood-related Multimedia Task at MediaEval 2020 *Presenter: Ilias Gialampoukidis (CERTH, Greece)*
3 min. (presentation) + ~2 min (questions)	Leveraging Human Pose Estimation Model for Stroke Classification in Table Tennis *Presenter: Soichiro Sato (Toyohashi University of Technology)*	Flood Detection in Twitter Using a Novel Learning Method for Neural Networks *Presenter: Rabiul Islam Jony (Queensland University of Technology, Australia)*
	Four-stream network and Dynamic Images for Sports Video Annotation: Detection of Strokes in Table Tennis *Presenter: Jordan Calandre (MIA Laboratory, University of La Rochelle)*	Floods Detection in Twitter Text and Images *Presenter: Naina Said (University of Engineering and Technology Peshawar, Pakistan)*
	HCMUS at MediaEval 2020: Classification of Strokes in Table Tennis *Presenter: Bang-Dang Pham (University of Science, VNU-HCM, Vietnam)*	Flood Detection via Twitter Streams using Textual and Visual Features *Presenter: Syed Zohaib Hassan (University of Trento, Italy)*
	Spatio-Temporal Based Table Tennis Hit Assessment Presenter: Kadir Aktas (iCV Lab, University of	Ensemble based method for the classification of flooding event using social media data *Presenter: Muhammad Hanif (National University of*

	Tartu)	*Computer and Emerging Sciences, Karachi Campus, Pakistan)*
	Classification of Strokes in Table Tennis with a Three Stream Spatio-Temporal CNN for MediaEval 2020 Presenter: Pierre-Etienne Martin (Université de Bordeaux, LaBRI)	
14:45 Break (15 min.)		
15:00 Technical Retreat 3 (45 min.)	Chair: Boris Mansencal (LaBRI, Univ. Bordeaux, France) Guardian: Renaud Péteri (MIA, Univ. La Rochelle, France), Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Technical Retreat Discussion Session:** *Sports Video Classification* **Location: Discord (isengard_voice)**	Chair: Stelios Andreadis (CERTH, Greece) Guardian: Nick Pantelidis (CERTH, Greece), Steven Hicks (SimulaMet, Norway) **Technical Retreat Discussion Session:** *Flood-related Multimedia* **Location: Discord (winterfell_voice)**
15:45 Break (15 min.)		
16:00 Session 4 (60 min.)	Chair: Laura Cabrera Quiros (Instituto Tecnológico de Costa Rica, Costa Rica and TU Delft, Netherlands) Guardian: Martha Larson (Radboud University, Netherlands) **Presentation sessions:** *No-Audio Multimodal Speech Detection,* *NewsImages: The role of images in online news,* *Pixel Privacy: Quality Camouflage for Social Images*	Chair: Alba García Seco de Herrera (University of Essex, United Kingdom) Guardian: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Presentation session:** *Predicting Media Memorability* **Location: Zoom**

	Location: GotoMeeting	
10 min. (presentation) + ~2 min. (questions)	**Overview presentation:** No-Audio Multimodal Speech Detection task at MediaEval 2020 *Presenter: Jose Vargas-Quirós (TU Delft, The Netherlands)*	**Overview presentation:** Overview of MediaEval 2020 Predicting Media Memorability task: What Makes a Video Memorable? *Presenter: Rukiye Savran (University of Essex, United Kingdom)*
Overview presentations: 10 min. (presentation) + ~2 min. (questions) *Team presentations:* 3 min. (presentation) + ~2 min (questions)	Multimodal Fusion of Body Movement Signals for No-audio Speech Detection *Presenter: Xinsheng Wang (Xi'an Jiaotong University, China)*	Video memorability prediction based on regression algorithm *Presenter: Fumei Yue (Shandong Normal University, China)*
	Overview presentation: News Images in MediaEval 2020 *Presenter: Benjamin Kille (Berlin Institute of Technology, Germany)*	Media Memorability Prediction Based on Machine Learning *Presenter: Dazhan Xu (Communication University of China, China)*
	HCMUS at MediaEval 2020: Image-Text Fusion for Automatic News-Images Re-Matching *Presenter: Thuc Nguyen-Quang (HCMUS, Vietnam)*	Investigating Memorability of Dynamic Media *Presenter: Phuc H. Le-Khac (Dublin City University, Ireland)*
	Overview presentation: *Pixel Privacy: Quality Camouflage for Social Images Presenter: Zhuoran Liu (Radboud University, The Netherlands)*	Leveraging Audio Gestalt to Predict Media Memorability *Presenter: Lorin Sweeney (Dublin City University, Ireland)*
	MediaEval 2020: Maintaining Human-imperceptibility of Image Adversarial Attack by Using Human-aware Sensitivity Map *Presenter: Zhiqi Shen (National University of Singapore, Singapore)*	Essex at MediaEval Predicting Media Memorability 2020 task *Presenter:* Janadhip Jacutprakart *(University of Essex, United Kingdom)*
	HCMUS at Pixel Privacy 2020: Quality Camouflage with Back Propagation and Image	Multi-modal Ensemble Models for Predicting Video Memorability

	Enhancement *Presenter: Hung V. Tran and Minh-Khoi Pham (University of Science, VNU-HCM, Vietnam National University, Vietnam)*	*Presenter: Tony Zhao (UC Berkeley, United States of America)*
	Fooling an Automatic Image Quality Estimator *Presenter: Benoit Bonnet (Univ. Rennes, Inria, CNRS, IRISA Rennes, France)*	Predicting Media Memorability with Audio, Video, and Text representations *Presenter: Alison Reboud (EURECOM, France)*
	Fooling Blind Image Quality Assessment by Optimizing a Parametric Color Filter *Presenter: Zhengyu Zhao (Radboud University, The Netherlands)*	Predicting Media Memorability from a Multimodal Late Fusion of Self-Attention and LSTM Models *Presenter: Ricardo Kleinlein (Universidad Politécnica de Madrid, Spain)*
17:00 Break (15 min.)		
17:15 Technical Retreat 4 (45 min.)	Chair: Zhuoran Liu (Radboud University, The Netherlands) Guardian: Martha Larson (Radboud University, Netherlands) **Technical Retreat Discussion Session:** ***Pixel Privacy: Quality Camouflage for Social Images*** **Location: Discord (isengard_voice)**	Chair: Alba García Seco de Herrera (University of Essex, United Kingdom) Guardian: Mihai Gabriel Constantin (University Politehnica of Bucharest, Romania) **Technical Retreat Discussion Session:** ***Predicting Media Memorability*** **Location: Discord (winterfell_voice)**
18:00 Break (15 min.)		
18:15 Distinctive Mentions and Outlook (45 min.)	Presenter: Martha Larson (Radboud University, Netherlands) **Location: GotoMeeting**	

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