MediaEval 2018 Workshop

29-31 October 2018
EURECOM, Sophia Antipolis, France
Workshop Program Version 2.0

Monday 29 October (Cagnes-sur-Mer)
15:00-18:00 Workshop kickoff

Meeting Place: Lobby of Résidence Le Crystal
Icebreaker, medieval history tour

19:00 Dinner in Cagnes-sur-Mer

Tuesday 30 October
8:30 Bus from Cagnes-sur-Mer (Résidence Le Crystal) to EURECOM

9:00-10:00 Medico: Multimedia for Medicine (Room 151)
Session Chair: Mathias Lux, Klagenfurt University, Austria

9:00-9:15	Task Overview: Medico Multimedia Task at MediaEval 2018	Steven Hicks, SimulaMet, Norway
9:15-9:30	Medico from the Medical Perspective	Thomas de Lange, Oslo University Hospital, Norway
9:30-9:40	An application of Residual Network and Faster - RCNN for Medico: Multimedia Task at MediaEval 2018	Hai-Dang Nguyen, EURECOM, France
9:40-9:50	Transfer learning with CNN architectures for classifying gastrointestinal diseases and anatomical landmarks	Ricardo Savii, Universidade Federal de São Paulo and Dafiti Group, Brazil
9:50-10:00	Using preprocessing as a tool in medical image detection	Mathias Kirkerød, Simula, Norway

10:00-10:30 Coffee (Room 153)

10:30-11:00 Medico Continued (Room 151)

10:30-10:40	The 2018 Medico Multimedia Task Submission of Team NOAT using Neural Network Features and Search-based Classification	Michael Steiner, Klagenfurt University, Austria
10:40-10:50	The Medico-Task 2018: Disease Detection in the Gastrointestinal Tract using Global Features and Deep Learning	Vajira Thambawita, SimulaMet, Norway
10:50-11:00	Deep Learning Based Disease Detection Using Domain Specific Transfer Learning	Pia Helén Smedsrud, Simula, Norway

11:00-12:00 Technical Retreats

Room 151			Room 152	Room 154
Medico			Emotional Impact	Content4 RecSys and NewsREEL
11:00-11:10	Automatic Hyperparameter Optimization in Keras for the MediaEval 2018 Medico Multimedia Task	Rune Johan Borgli, Simula, Norway		
11:10-11:20	Weighted Discriminant Embedding: Discriminant Subspace Learning for Imbalanced Medical Data Classification	Tobey H. Ko, Hong Kong University, Hong Kong		
11:20-11:30	Early and Late Fusion of Classifiers for the MediaEval Medico Task	Mario Taschwer (Skype), Klagenfurt University, Austria		
11:30-11:40	Majority voting of Heterogeneous Classifiers for finding abnormalities in the Gastro-Intestinal Tract	Muhammad Atif Tahir (video), National University of Computer and Emerging Sciences, Pakistan		

12:00-13:30 Lunch
Restaurant: Le Provençal Golf

Walk to the restaurant, located at 95. av. de Roumanille 06410 Biot-Sophia Antipolis

13:30-13:45	Welcome to EURECOM	Benoit Huet, EURECOM, France

13:45-14:30 GameStory: Video Game Analytics (Room 151)
Session Chair: Benjamin Bischke, DFKI, Germany

13:45-14:00	Task Overview: GameStory Task at MediaEval 2018	Mathias Lux, Klagenfurt University, Austria
14:00-14:10	VIDEO - Automated Killstreak Extraction in CS:GO Tournaments	Michael Wutti, Klagenfurt University, Austria (recorded video), QA by Mathias Lux
14:10-14:20	GameStory: An event-based Approach	Presented by Hai-Dang Nguyen, EURECOM, France
14:20-14:30	Team ORG @ GameStory Task 2018	Mathias Lux, Klagenfurt University, Austria

14:30-15:15 AcousticBrainz Genre: Content-based music genre recognition from multiple sources (+ A new task) (Room 151)
Session Chair: Julián Urbano, TU Delft, Netherlands

14:30-14:45	Task Overview: The MediaEval 2018 AcousticBrainz Genre Task: Content-based Music Genre Recognition from Multiple Sources	Alastair Porter, Universitat Pompeu Fabra, Spain
14:45-15:00	MediaEval 2018 AcousticBrainz Genre Task: A baseline combining deep feature embeddings across datasets	Dmitry Bogdanov, Universitat Pompeu Fabra, Spain
15:00-15:15	MediaEval 2018 AcousticBrainz Genre Task: A CNN Baseline Relying on Mel-Features	Hendrik Schreiber, Tagtraum, US

15:15-15:30	Fine grained sport action recognition: Application to table tennis	Jenny Benois-Pineau, University of Bordeaux, France and Renaud Péteri, University of La Rochelle, France

15:30-16:30 Technical Retreats
15:30-16:00 Coffee Room 153

Room 151	Room 152	Room 154
MMSat	Memorability	AcousticBrainz

16:45-18:05 Emotional Impact of Movies Task (+ A new task) (Room 151)
Session Chair: Hayley Hung, TU Delft, Netherlands

16:45-17:00	Task overview: The MediaEval 2018 Emotional Impact of Movies Task	Emmanuel Dellandréa, Ecole Centrale de Lyon - LIRIS lab, France
17:00-17:10	Visual and audio analysis of movies video for emotion detection @ Emotional Impact of Movies task MediaEval 2018	Konstantinos Avgerinakis, CERTH-ITI, Greece
17:10-17:20	Frame-based Evaluation with Deep Features to Predict Emotional Impact of Movies	Presented by Hai-Dang Nguyen, EURECOM, France
17:20-17:30	REMOTE - GLA in MediaEval 2018 Emotional Impact of Movies Task	Jennifer J. Sun (work completed during her internship at Google)
17:30-17:35	VIDEO - Towards Learning Emotional Subspace	Yang Liu, Hong Kong Baptist University,China
17:35-17h40	VIDEO - THUHCSI in MediaEval 2018 Emotional Impact of Movies Task	Ye Ma, Tsinghua University, Beijing, China
17:40-17:45	VIDEO - IM-JAIC at MediaEval 2018 Emotional Impact of Movies Task	Chloe Loughridge, Punahou School, USA, Julia Moseyko, MIT, USA
17:45-17:50	VIDEO - CNN Features for Emotional Impact of Movies Task	Yun Yi, Gannan Normal University, Tongji University, China

17:50-18:05	Emotion and Theme recognition in music using Jamendo	Dmitry Bogdanov, Alastair Porter, Universitat Pompeu Fabra, Spain

18:15 Bus back to Cagnes-sur-Mer
(the bus will drop us close by to the restaurant)

19:00 Social Dinner
Restaurant Le Cagnard
54 Rue sous Barri, 06800 Cagnes-sur-Mer

Wednesday 31 October
Human Behavior Analysis Task: No-Audio Multi-Modal Speech Detection in Crowded Social Settings (+ A new task) (Room 151)
Session Chair: Gareth Jones, Dublin City University, Ireland

9:00-9:10	MediaEval past, present, future	Martha Larson, Radboud University, Netherlands

9:10-9:25	Task Overview: No-Audio Multimodal Speech Detection in Crowded Social Settings task at MediaEval 2018	Laura Cabrera Quiros, TU Delft, Netherlands
9:25-9:35	Baseline submission	Ekin Gedik, TU Delft, Netherlands
9:35-9:45	VIDEO - Participant submission	HKBU, Hong Kong

9:45-10:00	Eyes and Ears Together	Yasufumi Moriya, Dublin City University, Ireland

10:00 Coffee Room 153

10:00- 11:35 Multimedia Satellite Task: Emergency Response for Flooding Events
Session Chair: Benoit Huet, EURECOM, France

10:00-10:15	Task Overview: The Multimedia Satellite Task at MediaEval 2018	Benjamin Bischke, DFKI GmbH, Germany
10:15-10:25	REMOTE- Detection of passable roads using Ensemble of Global and Local Features	Muhammad Atif Tahir, NUCES, Pakistan
10:25-10:35	Exploiting local semantic concepts for flooding-related social image classification	Zhengyu Zhao, Radboud University, Netherlands
10:35-10:45	A multimodal approach in estimating road passability through a flooded area using social media and satellite images	Konstantinos Avgerinakis, CERTH-ITI, Greece
10:45-10:55	Ensembled Convolutional Neural Network Models for Retrieving Flood Relevant Tweets	Yu Feng, Leibniz University Hannover, Germany
10:55-11:05	Deep Learning models for passability detection in flooded roads	Laura Lopez-Fuentes, University of the Balearic Islands, Spain

11:05-11:15	Detection of Road Passability from Social Media and Satellite Images	Armin Kirchknopf, University of Applied Sciences St. Pölten, Austria
11:15-11:25	REMOTE - Deep learning approaches for flood classification and flood aftermath detection	Kashif Ahmad, University of Trento, Italy
11:25-11:35	Global-local Feature Fusion for Image Classification of Flood affected Roads from Social Multimedia	Benjamin Bischke, TU Kaiserslautern, Germany

11:35-12:00 Predicting Media Memorability (Room 151)
Session Chair: Mihai Gabriel Constantin, University "Politehnica" of Bucharest, Romania

11:35-11:45	Task overview: MediaEval 2018: Predicting Media Memorability Task	Romain Cohendet, Technicolor, France
11:45-11:50	VIDEO - Learning Memorability Preserving Subspace for Predicting Media Memorability	Yang Liu, Hong Kong Baptist University, Hong Kong
11:50-12:00	REMOTE - Linear Models for Video Memorability Prediction Using Visual and Semantic Features	Rohit Gupta, Conduent Labs, India

12:00-13:30 Lunch

13:30-15:00 Memorability (continued) (Room 151)

13:30-13:40	Dublin's Participation in the Predicting Media Memorability Task at MediaEval 2018	Owen Corrigan, Dublin City University, Ireland
13:40-13:50	REMOTE - ViMemNet: Predicting Video Memorability	Ritwick Chaudhry, Adobe Research, India
13:50-14:00	REMOTE - Area66 at MediaEval 2018: Multimodal Approach to Predicting Media Memorability	Tanmayee Joshi and Sarath Sivaprasad, TCS Research, India
14:00-14:10	REMOTE - Video Memorability Prediction: Primary Exploration	Shuai Wang, Renmin University of China, China
14:10-14:20	Media memorability with motion features	Ricardo Savii, Universidade Federal de São Paulo and Dafiti Group, Brazil

14:20-14:30	REMOTE - Video Memorability Prediction with Recurrent Neural Networks and Video Titles @ MediaEval'18 Predicting Media Memorability Task	Wensheng Sun,, Michigan Technological University, Houghton, USA
14:30-14:40	Predicting Media Memorability Using Deep Features and Recurrent Network	Hai-Dang Nguyen, University of Science, Vietnam National University-Ho Chi Minh City, Vietnam
14:40-14:50	REMOTE - Predicting Memorability via Early Fusion Deep Neural Network	Sejong Yoon, The College of New Jersey, USA
14:50-15:00	Transfer learning for video memorability prediction	Claire-Hélène Demarty, Technicolor, France

15:00-15:45 Coffee (Room 153)

15:45-16:15 NewsREEL Multimedia: News recommendation with image/text content
(151)
Session Chair: Dmitry Bogdanov, Universitat Pompeu Fabra, Spain

15:45-15:55	Task Overview: NewsREEL Multimedia at MediaEval 2018:News Recommendation with Image and Text Content	Benjamin Kille, Berlin Institute of Technology, Germany
15:55-16:05	REMOTE - Baseline Algorithms for Predicting the Interest in News based on Multimedia-Data	Andreas Lommatzsch, DAI-Lab, TU Berlin, Germany
16:05-16:15	REMOTE - Predicting the Interest in News based On Image Annotations	Alexandru Ciobanu, TU Berlin, Germany

16:15-16:45 Content4RecSys: Recommending Movies Using Content (Room 151)
Session Chair: Alastair Porter, Universitat Pompeu Fabra, Spain

16:15-16:30	Task Overview: The MediaEval 2018 Movie Recommendation Task: Recommending Movies Using Content	Yashar Deldjoo, Politecnico di Milano, Italy
16:30-16:45	Movie Rating Prediction using Multimedia Content and Modeling as a Classification Problem	Fatemeh Nazary, University of Pavia, Italy

16:45-17:30 Pixel Privacy (Room 151)
Session Chair: Gareth Jones, Dublin City University, Ireland

16:45-17:00	Task Overview: Pixel Privacy: Increasing Image Appeal while Blocking Automatic Inference of Sensitive Scene Information	Martha Larson, Radboud University, Netherlands
17:00-17:15	First Steps in Pixel Privacy: Exploring Deep Learning-based Image Enhancement against Large-scale Image Inference	Zhuoran Liu, Radboud University, Netherlands
17:15-17:30	MediaEval 2018 Pixel Privacy Task: Views on image enhancement	Maciej Wysokinski, Complutense University of Madrid, Spain and Simon Brugman, Radboud University, Netherlands.

17:30-18:00	MediaEval Distinctive Mention and words of appreciation.	Martha Larson, Radboud University, Netherlands

Please make sure all garbage is in the bins, and that any tables and chairs that we have moved during the day are back in position, then board the bus.

18:15 Bus back to Cagnes-sur-Mer
(The bus will drop us close by to Residence Le Crystal; Please see Saskia if you need to get somewhere else after the workshop.)

Thursday 1 November (Cagnes-sur-Mer)
9:00-11:30 Organizers meeting (Residence Le Crystal Room 405 Building A)
11:30-14:00 Working lunch
9:00-18:00 Media team works to get the media online