

MuSe 2020 Chairs' Welcome

Schuller, Björn W.; Lefter, Iulia; Cambria, Erik; Kompatsiaris, Ioannis Yiannis; Stappen, Lukas

Publication date

2020

Document Version

Final published version

Published in

MuSe 2020 - Proceedings of the 1st International Multimodal Sentiment Analysis in Real-Life Media Challenge and Workshop

Citation (APA)

Schuller, B. W., Lefter, I., Cambria, E., Kompatsiaris, I. Y., & Stappen, L. (2020). MuSe 2020 Chairs' Welcome. *MuSe 2020 - Proceedings of the 1st International Multimodal Sentiment Analysis in Real-Life Media Challenge and Workshop*, III-IV.

Important note

To cite this publication, please use the final published version (if applicable). Please check the document version above.

Copyright

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

Takedown policy

Please contact us and provide details if you believe this document breaches copyrights. We will remove access to the work immediately and investigate your claim.

MuSe 2020 Chairs' Welcome

It is our great pleasure to welcome you to the *1st Multimodal Sentiment Analysis Challenge and Workshop (MuSe 2020)*, held in conjunction with the ACM Multimedia 2020. The MuSe challenge and associated workshop continues to push the boundaries of integrated audio-visual and textual based sentiment analysis and emotion sensing. In its first edition, we posed the problem of the prediction of continuous valued dimensional affect, the novel dimension of trustworthiness, and detecting 10-class domain-specific topics as the target of discrete emotion classes on a large and natural set of user-generated data.

The mission of the MuSe Challenge and Workshop is to provide a common benchmark for individual multimodal information processing and to bring together the symbolic-based Sentiment Analysis and the signal-based Affective Computing communities, to compare the merits of multimodal fusion for the three core modalities under well-defined conditions. Another motivation is the need to advance sentiment and emotion recognition systems to be able to deal with unsegmented and previously unexplored naturalistic behaviour in large amounts of in-the-wild data, as this is exactly the type of data that we face in real life. As you will see, these goals have been reached with the selection of the data and the (challenge) contributions.

The call for participation and papers attracted registrations of 21 teams from Asia, Europe, and North America. The programme committee accepted 5 papers including the baseline paper. For predicting the time-continuous emotional dimensions, the best models boosted the CCC on sentiment/ valence by 0.36 (0.2431 to 0.5996) and on arousal by 0.19 (0.2834 to 0.4726) compared to the baseline. We hope that these proceedings will serve as a valuable reference for researchers and developers in the area of multimodal sentiment analysis and audio-visual emotion recognition.

We are thankful for the keynote speakers. The insightful talks will guide us to a better understanding of the state of the field, future directions, and the challenges of bringing technology to fruition:

- *Vehicle Interiors as Sensate Environments*, Dr. Michael Würtenberger (who is currently at the Vice President at BMW Research, Innovations, New Technology, Germany)
- *Personalized Machine Learning for Human-centered Machine Intelligence*, Dr. Oggi Rudovic (who is currently Marie Curie Fellow at the MIT Media Lab and at Apple Inc.)

Furthermore, we are pleased to feature not one but three invited speakers, in a series of inspiring talks on the subject: *Multimodal Social Media Mining* (Dr. Yiannis Kompatsiaris, CERTH-ITI), *End2You: Multimodal Profiling by End-to-End Learning and Applications* (Panagiotis Tzirakis, Imperial College London), *Extending Multimodal Emotion Recognition with Biological Signals: Presenting a Novel Dataset and Recent Findings* (Alice Baird, University of Augsburg). We encourage attendees to attend these valuable presentations.

Putting together MuSe 2020 was a team effort. We first thank the participants and authors for providing the content of the program. We are also grateful to the program committee, who this year met their deadlines despite the shortened review time due to multiple deadline extensions. Finally, we would like to thank the ACM-Multimedia organising committee as well as the people at Sheridan Publishing for making this challenge and workshop possible.

We hope that you will find this programme thought provoking and inspirational, and that the event will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world working on related topics.

Björn W. Schuller

Imperial College London, UK

Iulia Lefter

TU Delft, NL

Erik Cambria

Nanyang Technological University, SNG

Ioannis (Yiannis) Kompatsiaris

CERTH - ITI, GR

Lukas Stappen

University of Augsburg, GER