COLING 2020

# The International Workshop on Semantic Evaluation

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# Introduction

Welcome to SemEval-2020!

The Semantic Evaluation (SemEval) series of workshops focuses on the evaluation and comparison of systems that can analyze diverse semantic phenomena in text, with the aims of extending the current state of the art in semantic analysis and creating high quality annotated datasets in a range of increasingly challenging problems in natural language semantics. SemEval provides an exciting forum for researchers to propose challenging research problems in semantics and to build systems/techniques to address such research problems.

SemEval-2020 is the fourteenth workshop in the series of International Workshops on Semantic Evaluation. The first three workshops, SensEval-1 (1998), SensEval-2 (2001), and SensEval-3 (2004), focused on word sense disambiguation, each time expanding in the number of languages offered, the number of tasks, and also the number of teams participating. In 2007, the workshop was renamed to SemEval, and the subsequent SemEval workshops evolved to include semantic analysis tasks beyond word sense disambiguation. In 2012, SemEval became a yearly event. It currently takes place every year, on a two-year cycle. The tasks for SemEval-2020 were proposed in 2019, and next year's tasks have already been selected and are underway.

SemEval-2020 was co-located (virtually) with COLING 2020 - the 28th International Conference on Computational Linguistics - on December 12 and 13, 2020. This year's SemEval included the following 12 tasks, organized into four tracks:

- Lexical semantics
  - Task 1: Unsupervised Lexical Semantic Change Detection
  - Task 2: Predicting Multilingual and Cross-Lingual (Graded) Lexical Entailment
  - Task 3: Graded Word Similarity in Context
- Common Sense Knowledge and Reasoning, Knowledge Extraction
  - Task 4: Commonsense Validation and Explanation
  - Task 5: Modelling Causal Reasoning in Language: Detecting Counterfactuals
  - Task 6: DeftEval: Extracting Definitions from Free Text in Textbooks
- Humour, Emphasis, and Sentiment
  - Task 7: Assessing Humor in Edited News Headlines
  - Task 8: Memotion Analysis
  - Task 9: Sentiment Analysis for Code-Mixed Social Media Text
  - Task 10: Emphasis Selection for Written Text in Visual Media
- Societal Applications of NLP
  - Task 11: Detection of Propaganda Techniques in News Articles
  - Task 12: OffensEval 2: Multilingual Offensive Language Identification in Social Media

This volume contains both task description papers that describe each of the above tasks and system description papers that present the systems that participated in the tasks. A total of 12 task description papers and 288 system description papers are included in this volume.

SemEval-2020 introduced two new awards, one for organizers of a task and one for a team participating in a task. The Best Task award recognizes a task that stands out for making an important intellectual contribution to empirical computational semantics, as demonstrated by a creative, interesting, and scientifically rigorous dataset and evaluation design, and a well-written task overview paper. The Best Paper award recognizes a system description paper (written by a team participating in one of the tasks) that advances our understanding of a problem and available solutions with respect to a task. It needs not be the highest-scoring system in the task, but it must have a strong analysis component in the evaluation, as well as a clear and reproducible description of the problem, algorithms, and methodology.

2020 has been an especially challenging year across the globe, and SemEval-2020 saw its fair share of delays and unexpected changes. We are immensely grateful to the task organizers for their perseverance through many ups, downs, and uncertainties, as well as to the large number of participants whose enthusiastic participation has made SemEval once again a successful event! Thanks also to the task organizers who served as area chairs for their tasks, and to both task organizers and participants who reviewed paper submissions. These proceedings have greatly benefited from their detailed and thoughtful feedback. Thousands of thanks to our assistant organizers Shabnam Behzad and Michael Kranzlein for their extensive, detailed, and dedicated work on the production of these proceedings! We also thank the members of the program committee who reviewed the submitted task proposals and helped us to select this exciting set of tasks, and we thank the COLING 2020 conference organizers for their support. Finally, we most gratefully acknowledge the support of our sponsor: the ACL Special Interest Group on the Lexicon (SIGLEX).

The SemEval-2020 organizers: Aurelie Herbelot, Xiaodan Zhu, Alexis Palmer, Nathan Schneider, Jonathan May, Ekaterina Shutova

**Organizers:**

Aurelie Herbelot, University of Trento
Xiaodan Zhu, Queen's University
Alexis Palmer, University of North Texas
Nathan Schneider, Georgetown University
Jonathan May, ISI, University of Southern California
Ekaterina Shutova, University of Amsterdam

**Task Selection Committee:**

Eneko Agirre, Timothy Baldwin, Miguel Ballesteros, Francesco Barbieri, Valerio Basile, Kalina Bontcheva, Georgeta Bordea, Davide Buscaldi, Jose Camacho-Collados, Marine Carpuat, Daniel Cer, Thierry Charnois, Wanxiang Che, Colin Cherry, Mrinal Das, Tobias Daudert, Mona Diab, Luis Espinosa Anke, André Freitas, Dimitris Galanis, Iryna Gurevych, Ivan Habernal, Christian Hempelmann, Veronique Hoste, Filip Ilievski, David Jurgens, Svetlana Kiritchenko, Alicia Krebs, Egoitz Laparra, Els Lefever, Alessandro Lenci, Maria Liakata, Inigo Lopez-Gazpio, Wei Lu, Montse Maritxalar, Tristan Miller, Ashutosh Modi, Saif Mohammad, Alessandro Moschitti, Hamdy Mubarak, Preslav Nakov, Roberto Navigli, Sergio Oramas, Simon Ostermann, Gustavo Henrique Paetzold, Denis Paperno, Tommaso Pasini, Viviana Patti, Mohammad Taher Pilehvar, Maria Pontiki, Marten Postma, Peter Potash, James Pustejovsky, Behrang QasemiZadeh, Alan Ritter, Alexey Romanov, Francesco Ronzano, Sara Rosenthal, Anna Rumshisky, Horacio Saggion, Mohammad Salameh, Juliano Efson Sales, Anne-Kathrin Schumann, Piek Vossen, Henning Wachsmuth, Haifa Zargayouna, Manel Zarrouk, Arkaitz Zubiaga.

**Task Organizers:**

Task 1: Dominik Schlechtweg, Barbara McGillivray, Simon Hengchen, Haim Dubossarsky and Nina Tahmasebi;

Task 2: Goran Glavaš, Ivan Vulić, Anna Korhonen and Simone Paolo Ponzetto;

Task 3: Carlos Santos Armendariz, Matthew Purver, Senja Pollak, Nikola Ljubešić, Matej Ulčar, Ivan Vulić and Mohammad Taher Pilehvar;

Task 4: Cunxiang Wang, Shuailong Liang, Yili Jin, Yilong Wang, Xiaodan Zhu and Yue Zhang;

Task 5: Xiaoyu Yang, Stephen Obadinma, Huasha Zhao, Qiong Zhang, Stan Matwin and Xiaodan Zhu ;

Task 6: Sasha Spala, Nicholas Miller, Franck Dernoncourt and Carl Dockhorn;

Task 7: Nabil Hossain, John Krumm, Michael Gamon and Henry Kautz;

Task 8: Chhavi Sharma, Deepesh Bhageria, William Scott, Srinivas Pykl, Amitava Das, Tanmoy Chakraborty, Viswanath Pulabaigari and Björn Gambäck ;

Task 9: Parth Patwa, Gustavo Aguilar, Sudipta Kar, Suraj Pandey, Srinivas Pykl, Björn Gambäck, Tanmoy Chakraborty, Thamar Solorio and Amitava Das;

Task 10: Amirreza Shirani, Franck Dernoncourt, Nedim Lipka, Paul Asente, Jose Echevarria and Thamar Solorio;

Task 11: Giovanni Da San Martino, Alberto Barrón-Cedeño, Henning Wachsmuth, Rostislav Petrov and Preslav Nakov;

Task 12: Marcos Zampieri, Preslav Nakov, Sara Rosenthal, Pepa Atanasova, Georgi Karadzhov, Hamdy Mubarak, Leon Derczynski, Zeses Pitenis and Cağrı Cöltekin.

**Invited Speaker:**

Afra Alishahi (joint invited speaker with *SEM 2020), Jackie C. K. Cheung.

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*AlexU-BackTranslation-TL at SemEval-2020 Task 12: Improving Offensive Language Detection Using Data Augmentation and Transfer Learning*
Mai Ibrahim, Marwan Torki and Nagwa El-Makky . . . . . 1881

*ALT at SemEval-2020 Task 12: Arabic and English Offensive Language Identification in Social Media*
Sabit Hassan, Younes Samih, Hamdy Mubarak and Ahmed Abdelali . . . . . 1891

*Amsqr at SemEval-2020 Task 12: Offensive Language Detection Using Neural Networks and Anti-adversarial Features*
Alejandro Mosquera . . . . . 1898

*BRUMS at SemEval-2020 Task 12: Transformer Based Multilingual Offensive Language Identification in Social Media*
Tharindu Ranasinghe and Hansi Hettiarachchi . . . . . 1906

*CoLi at UdS at SemEval-2020 Task 12: Offensive Tweet Detection with Ensembling*
Kathryn Chapman, Johannes Bernhard and Dietrich Klakow . . . . . 1916

*CyberTronics at SemEval-2020 Task 12: Multilingual Offensive Language Identification over Social Media*
Sayanta Paul, Sriparna Saha and Mohammed Hasanuzzaman . . . . . 1925

*DoTheMath at SemEval-2020 Task 12 : Deep Neural Networks with Self Attention for Arabic Offensive Language Detection*
Zoher Orabe, Bushr Haddad, Nada Ghneim and Anas Al-Abood . . . . . 1932

*Duluth at SemEval-2020 Task 12: Offensive Tweet Identification in English with Logistic Regression*
Ted Pedersen . . . . . 1938

*Ferryman at SemEval-2020 Task 12: BERT-Based Model with Advanced Improvement Methods for Multilingual Offensive Language Identification*
Weilong Chen, Peng Wang, Jipeng Li, Yuanshuai Zheng, Yan Wang and Yanru Zhang . . . . . 1947

*Garain at SemEval-2020 Task 12: Sequence Based Deep Learning for Categorizing Offensive Language in Social Media*
Avishek Garain . . . . . 1953

*Hitachi at SemEval-2020 Task 12: Offensive Language Identification with Noisy Labels Using Statistical Sampling and Post-Processing*
Manikandan Ravikiran, Amin Ekant Muljibhai, Toshinori Miyoshi, Hiroaki Ozaki, Yuta Koreeda and Sakata Masayuki . . . . . 1961

*I2C at SemEval-2020 Task 12: Simple but Effective Approaches to Offensive Speech Detection in Twitter*
Victoria Pachón Álvarez, Jacinto Mata Vázquez, José Manuel López Betanzos and José Luis Arjona Fernández . . . . . 1968

*iCompass at SemEval-2020 Task 12: From a Syntax-ignorant N-gram Embeddings Model to a Deep Bidirectional Language Model*
Abir Messaoudi, Hatem Haddad and Moez Ben Haj Hmida . . . . . 1978

*IITP-AINLPML at SemEval-2020 Task 12: Offensive Tweet Identification and Target Categorization in a Multitask Environment*
Soumitra Ghosh, Asif Ekbal and Pushpak Bhattacharyya . . . . . 1983

*INGEOTEC at SemEval-2020 Task 12: Multilingual Classification of Offensive Text*
Sabino Miranda-Jiménez, Eric S. Tellez, Mario Graff and Daniela Moctezuma . . . . . 1992

*IR3218-UI at SemEval-2020 Task 12: Emoji Effects on Offensive Language IdentifiCation*
Sandy Kurniawan, Indra Budi and Muhammad Okky Ibrohim . . . . . 1998

*IRLab_DAIICT at SemEval-2020 Task 12: Machine Learning and Deep Learning Methods for Offensive Language Identification*
Apurva Parikh, Abhimanyu Singh Bisht and Prasenjit Majumder . . . . . 2006

*IRlab@IITV at SemEval-2020 Task 12: Multilingual Offensive Language Identification in Social Media Using SVM*
Anita Saroj, Supriya Chanda and Sukomal Pal . . . . . 2012

*JCT at SemEval-2020 Task 12: Offensive Language Detection in Tweets Using Preprocessing Methods, Character and Word N-grams*
Moshe Uzan and Yaakov HaCohen-Kerner . . . . . 2017

*KAFK at SemEval-2020 Task 12: Checkpoint Ensemble of Transformers for Hate Speech Classification*
Kaushik Amar Das, Arup Baruah, Ferdous Ahmed Barbhuiya and Kuntal Dey . . . . . 2023

*KDELAB at SemEval-2020 Task 12: A System for Estimating Aggression of Tweets Using Two Layers of BERT Features*
Keisuke Hanahata and Masaki Aono . . . . . 2030

*KEIS@JUST at SemEval-2020 Task 12: Identifying Multilingual Offensive Tweets Using Weighted Ensemble and Fine-Tuned BERT*
Saja Tawalbeh, Mahmoud Hammad and Mohammad AL-Smadi . . . . . 2035

*KS@LTH at SemEval-2020 Task 12: Fine-tuning Multi- and Monolingual Transformer Models for Offensive Language Detection*
Kasper Socha . . . . . 2045

*KUISAIL at SemEval-2020 Task 12: BERT-CNN for Offensive Speech Identification in Social Media*
Ali Safaya, Moutasem Abdullatif and Deniz Yuret . . . . . 2054

*Kungfupanda at SemEval-2020 Task 12: BERT-Based Multi-TaskLearning for Offensive Language Detection*
Wenliang Dai, Tiezheng Yu, Zihan Liu and Pascale Fung . . . . . 2060

*Lee at SemEval-2020 Task 12: A BERT Model Based on the Maximum Self-ensemble Strategy for Identifying Offensive Language*
Junyi Li, Xiaobing Zhou and Zichen Zhang . . . . . 2067

*LIIR at SemEval-2020 Task 12: A Cross-Lingual Augmentation Approach for Multilingual Offensive Language Identification*
Erfan Ghadery and Marie-Francine Moens . . . . . 2073

*LISAC FSDM-USMBA Team at SemEval-2020 Task 12: Overcoming AraBERT's pretrain-finetune discrepancy for Arabic offensive language identification*
Hamza Alami, Said Ouatik El Alaoui, Abdessamad Benlahbib and Noureddine En-nahnahi . . 2080

*NAYEL at SemEval-2020 Task 12: TF/IDF-Based Approach for Automatic Offensive Language Detection in Arabic Tweets*
Hamada Nayel . . . . . 2086

*NLP_Passau at SemEval-2020 Task 12: Multilingual Neural Network for Offensive Language Detection in English, Danish and Turkish*
Omar Hussein, Hachem Sfar, Jelena Mitrović and Michael Granitzer . . . . . 2090

*nlpUP at SemEval-2020 Task 12 : A Blazing Fast System for Offensive Language Detection*
Ehab Hamdy, Jelena Mitrović and Michael Granitzer . . . . . 2098

*NTU_NLP at SemEval-2020 Task 12: Identifying Offensive Tweets Using Hierarchical Multi-Task Learning Approach*
Po-Chun Chen, Hen-Hsen Huang and Hsin-Hsi Chen . . . . . 2105

*PGSG at SemEval-2020 Task 12: BERT-LSTM with Tweets' Pretrained Model and Noisy Student Training Method*
Bao-Tran Pham-Hong and Setu Chokshi . . . . . 2111

*Pin_cod_ at SemEval-2020 Task 12: Injecting Lexicons into Bidirectional Long Short-Term Memory Networks to Detect Turkish Offensive Tweets*
Pinar Arslan . . . . . 2117

*problemConquero at SemEval-2020 Task 12: Transformer and Soft Label-based Approaches*
Karishma Laud, Jagriti Singh, Randeep Kumar Sahu and Ashutosh Modi . . . . . 2123

*SalamNET at SemEval-2020 Task 12: Deep Learning Approach for Arabic Offensive Language Detection*
Fatemah Husain, Jooyeon Lee, Sam Henry and Ozlem Uzuner . . . . . 2133

*Smatgrisene at SemEval-2020 Task 12: Offense Detection by AI - with a Pinch of Real I*
Peter Juel Henrichsen and Marianne Rathje . . . . . 2140

*Sonal.kumari at SemEval-2020 Task 12: Social Media Multilingual Offensive Text Identification and Categorization Using Neural Network Models*
Sonal Kumari . . . . . 2146

*Ssn_nlp at SemEval 2020 Task 12: Offense Target Identification in Social Media Using Traditional and Deep Machine Learning Approaches*
Thenmozhi D., Nandhinee P.R., Arunima S. and Amlan Sengupta . . . . . 2155

*SSN_NLP_MLRG at SemEval-2020 Task 12: Offensive Language Identification in English, Danish, Greek Using BERT and Machine Learning Approach*
A Kalaivani and Thenmozhi D. . . . . 2161

*SU-NLP at SemEval-2020 Task 12: Offensive Language IdentifiCation in Turkish Tweets*
Anil Ozdemir and Reyyan Yeniterzi . . . . . 2171

*TAC at SemEval-2020 Task 12: Ensembling Approach for Multilingual Offensive Language Identification in Social Media*
Talha Anwar and Omer Baig . . . . . 2177

*Team Rouges at SemEval-2020 Task 12: Cross-lingual Inductive Transfer to Detect Offensive Language*
Tanvi Dadu and Kartikey Pant . . . . . 2183

*TECHSSN at SemEval-2020 Task 12: Offensive Language Detection Using BERT Embeddings*
Rajalakshmi Sivanaiah, Angel Suseelan, S Milton Rajendram and Mirnalinee T.T. . . . . 2190

*TheNorth at SemEval-2020 Task 12: Hate Speech Detection Using RoBERTa*
Pedro Alonso, Rajkumar Saini and György Kovacs . . . . . 2197

*UJNLP at SemEval-2020 Task 12: Detecting Offensive Language Using Bidirectional Transformers*
Yinnan Yao, Nan Su and Kun Ma . . . . . 2203

*UNT Linguistics at SemEval-2020 Task 12: Linear SVC with Pre-trained Word Embeddings as Document Vectors and Targeted Linguistic Features*
Jared Fromknecht and Alexis Palmer . . . . . 2209

*UoB at SemEval-2020 Task 12: Boosting BERT with Corpus Level Information*
Wah Meng Lim and Harish Tayyar Madabushi . . . . . 2216

*UPB at SemEval-2020 Task 12: Multilingual Offensive Language Detection on Social Media by Fine-tuning a Variety of BERT-based Models*
Mircea-Adrian Tanase, Dumitru-Clementin Cercel and Costin Chiru . . . . . 2222

*UTFPR at SemEval 2020 Task 12: Identifying Offensive Tweets with Lightweight Ensembles*
Marcos Aurélio Hermogenes Boriola and Gustavo Henrique Paetzold . . . . . 2232

*WOLI at SemEval-2020 Task 12: Arabic Offensive Language Identification on Different Twitter Datasets*
Yasser Otiefy, Ahmed Abdelmalek and Islam El Hosary . . . . . 2237

*XD at SemEval-2020 Task 12: Ensemble Approach to Offensive Language Identification in Social Media Using Transformer Encoders*
Xiangjue Dong and Jinho D. Choi . . . . . 2244

*YNU_oxz at SemEval-2020 Task 12: Bidirectional GRU with Capsule for Identifying Multilingual Offensive Language*
Xiaozhi Ou and Hongling Li . . . . . 2251

# Conference Program

**12/12/2020**

**14:00–14:30 Lexical Semantics: oral session**

*SemEval-2020 Task 1: Unsupervised Lexical Semantic Change Detection*
Dominik Schlechtweg, Barbara McGillivray, Simon Hengchen, Haim Dubossarsky and Nina Tahmasebi

*SemEval-2020 Task 2: Predicting Multilingual and Cross-Lingual (Graded) Lexical Entailment*
Goran Glavaš, Ivan Vulić, Anna Korhonen and Simone Paolo Ponzetto

*SemEval-2020 Task 3: Graded Word Similarity in Context*
Carlos Santos Armendariz, Matthew Purver, Senja Pollak, Nikola Ljubešić, Matej Ulčar, Ivan Vulić and Mohammad Taher Pilehvar

*DiaSense at SemEval-2020 Task 1: Modeling Sense Change via Pre-trained BERT Embeddings*
Christin Beck

*BabelEnconding at SemEval-2020 Task 3: Contextual Similarity as a Combination of Multilingualism and Language Models*
Lucas Rafael Costella Pessutto, Tiago de Melo, Viviane P. Moreira and Altigran da Silva

**14:30–16:00 Lexical Semantics: poster session**

*Discovery Team at SemEval-2020 Task 1: Context-sensitive Embeddings Not Always Better than Static for Semantic Change Detection*
Matej Martinc, Syrielle Montariol, Elaine Zosa and Lidia Pivovarova

*GM-CTSC at SemEval-2020 Task 1: Gaussian Mixtures Cross Temporal Similarity Clustering*
Pierluigi Cassotti, Annalina Caputo, Marco Polignano and Pierpaolo Basile

*IMS at SemEval-2020 Task 1: How Low Can You Go? Dimensionality in Lexical Semantic Change Detection*
Jens Kaiser, Dominik Schlechtweg, Sean Papay and Sabine Schulte im Walde

*JCT at SemEval-2020 Task 1: Combined Semantic Vector Spaces Models for Unsupervised Lexical Semantic Change Detection*
Efrat Amar and Chaya Liebeskind

*RIJP at SemEval-2020 Task 1: Gaussian-based Embeddings for Semantic Change Detection*
Ran Iwamoto and Masahiro Yukawa

**12/12/2020 (continued)**

*SChME at SemEval-2020 Task 1: A Model Ensemble for Detecting Lexical Semantic Change*
Maurício Gruppi, Sibel Adali and Pin-Yu Chen

*SenseCluster at SemEval-2020 Task 1: Unsupervised Lexical Semantic Change Detection*
Amaru Cuba Gyllensten, Evangelia Gogoulou, Ariel Ekgren and Magnus Sahlgren

*The UCD-Net System at SemEval-2020 Task 1: Temporal Referencing with Semantic Network Distances*
Paul Nulty and David Lillis

*UiO-UvA at SemEval-2020 Task 1: Contextualised Embeddings for Lexical Semantic Change Detection*
Andrey Kutuzov and Mario Giulianelli

*BMEAUT at SemEval-2020 Task 2: Lexical Entailment with Semantic Graphs*
Ádám Kovács, Kinga Gémes, Andras Kornai and Gábor Recski

*BRUMS at SemEval-2020 Task 3: Contextualised Embeddings for Predicting the (Graded) Effect of Context in Word Similarity*
Hansi Hettiarachchi and Tharindu Ranasinghe

*MineriaUNAM at SemEval-2020 Task 3: Predicting Contextual WordSimilarity Using a Centroid Based Approach and Word Embeddings*
Helena Gomez-Adorno, Gemma Bel-Enguix, Jorge Reyes-Magaña, Benjamín Moreno, Ramón Casillas and Daniel Vargas

*MULTISEM at SemEval-2020 Task 3: Fine-tuning BERT for Lexical Meaning*
Aina Garí Soler and Marianna Apidianaki

*UZH at SemEval-2020 Task 3: Combining BERT with WordNet Sense Embeddings to Predict Graded Word Similarity Changes*
Li Tang

**Lexical Semantics: unscheduled papers**

*BOS at SemEval-2020 Task 1: Word Sense Induction via Lexical Substitution for Lexical Semantic Change Detection*
Nikolay Arefyev and Vasily Zhikov

*CIRCE at SemEval-2020 Task 1: Ensembling Context-Free and Context-Dependent Word Representations*
Martin Pömsl and Roman Lyapin

*CMCE at SemEval-2020 Task 1: Clustering on Manifolds of Contextualized Embeddings to Detect Historical Meaning Shifts*
David Rother, Thomas Haider and Steffen Eger

*DCC-Uchile at SemEval-2020 Task 1: Temporal Referencing Word Embeddings*
Frank D. Zamora-Reina and Felipe Bravo-Marquez

*EmbLexChange at SemEval-2020 Task 1: Unsupervised Embedding-based Detection of Lexical Semantic Changes*
Ehsaneddin Asgari, Christoph Ringlstetter and Hinrich Schütze

*GloVeInit at SemEval-2020 Task 1: Using GloVe Vector Initialization for Unsupervised Lexical Semantic Change Detection*
Vaibhav Jain

*SST-BERT at SemEval-2020 Task 1: Semantic Shift Tracing by Clustering in BERT-based Embedding Spaces*
Vani Kanjirangat, Sandra Mitrovic, Alessandro Antonucci and Fabio Rinaldi

*TemporalTeller at SemEval-2020 Task 1: Unsupervised Lexical Semantic Change Detection with Temporal Referencing*
Jinan Zhou and Jiaxin LI

*TUE at SemEval-2020 Task 1: Detecting Semantic Change by Clustering Contextual Word Embeddings*
Anna Karnysheva and Pia Schwarz

*UoB at SemEval-2020 Task 1: Automatic Identification of Novel Word Senses*
Eleri Sarsfield and Harish Tayyar Madabushi

*UWB at SemEval-2020 Task 1: Lexical Semantic Change Detection*
Ondřej Pražák, Pavel Přibáň, Stephen Taylor and Jakub Sido

**12/12/2020 (continued)**

*SHIKEBLCU at SemEval-2020 Task 2: An External Knowledge-enhanced Matrix for Multilingual and Cross-Lingual Lexical Entailment*
Shike Wang, Yuchen Fan, Xiangying Luo and Dong Yu

*UAlberta at SemEval-2020 Task 2: Using Translations to Predict Cross-Lingual Entailment*
Bradley Hauer, Amir Ahmad Habibi, Yixing Luan, Arnob Mallik and Grzegorz Kondrak

*AlexU-AUX-BERT at SemEval-2020 Task 3: Improving BERT Contextual Similarity Using Multiple Auxiliary Contexts*
Somaia Mahmoud and Marwan Torki

*CitiusNLP at SemEval-2020 Task 3: Comparing Two Approaches for Word Vector Contextualization*
Pablo Gamallo

*Ferryman at SemEval-2020 Task 3: Bert with TFIDF-Weighting for Predicting the Effect of Context in Word Similarity*
Weilong Chen, Xin Yuan, Sai Zhang, Jiehui Wu, Yanru Zhang and Yan Wang

*Hitachi at SemEval-2020 Task 3: Exploring the Representation Spaces of Transformers for Human Sense Word Similarity*
Terufumi Morishita, Gaku Morio, Hiroaki Ozaki and Toshinori Miyoshi

*JUSTMasters at SemEval-2020 Task 3: Multilingual Deep Learning Model to Predict the Effect of Context in Word Similarity*
Nour Al-khdour, Mutaz Bni Younes, Malak Abdullah and Mohammad AL-Smadi

*Will_Go at SemEval-2020 Task 3: An Accurate Model for Predicting the (Graded) Effect of Context in Word Similarity Based on BERT*
Wei Bao, Hongshu Che and Jiandong Zhang

**12/12/2020 (continued)**

**16:00–17:00 Invited talk: Afra Alishahi**

**17:00–17:30 Common Sense Knowledge and Reasoning, Knowledge Extraction: oral session**

*SemEval-2020 Task 4: Commonsense Validation and Explanation*
Cunxiang Wang, Shuailong Liang, Yili Jin, Yilong Wang, Xiaodan Zhu and Yue Zhang

*SemEval-2020 Task 5: Counterfactual Recognition*
Xiaoyu Yang, Stephen Obadinma, Huasha Zhao, Qiong Zhang, Stan Matwin and Xiaodan Zhu

*SemEval-2020 Task 6: Definition Extraction from Free Text with the DEFT Corpus*
Sasha Spala, Nicholas Miller, Franck Dernoncourt and Carl Dockhorn

*IIE-NLP-NUT at SemEval-2020 Task 4: Guiding PLM with Prompt Template Reconstruction Strategy for ComVE*
Luxi Xing, Yuqiang Xie, Yue Hu and Wei Peng

*HIT-SCIR at SemEval-2020 Task 5: Training Pre-trained Language Model with Pseudo-labeling Data for Counterfactuals Detection*
Xiao Ding, Dingkui Hao, Yuewei Zhang, Kuo Liao, Zhongyang Li, Bing Qin and Ting Liu

*Cardiff University at SemEval-2020 Task 6: Fine-tuning BERT for Domain-Specific Definition Classification*
Shelan Jeawak, Luis Espinosa-Anke and Steven Schockaert

**12/12/2020 (continued)**

**17:30–19:00 Common Sense Knowledge and Reasoning, Knowledge Extraction: poster session**

*ANA at SemEval-2020 Task 4: MUlti-task learNIng for cOmmonsense reasoNing (UNION)*
Anandh Konar, Chenyang Huang, Amine Trabelsi and Osmar Zaiane

*BUT-FIT at SemEval-2020 Task 4: Multilingual Commonsense*
Josef Jon, Martin Fajcik, Martin Docekal and Pavel Smrz

*CUHK at SemEval-2020 Task 4: CommonSense Explanation, Reasoning and Prediction with Multi-task Learning*
Hongru Wang, Xiangru Tang, Sunny Lai, Kwong Sak Leung, Jia Zhu, Gabriel Pui Cheong Fung and Kam-Fai Wong

*ECNU-SenseMaker at SemEval-2020 Task 4: Leveraging Heterogeneous Knowledge Resources for Commonsense Validation and Explanation*
Qian Zhao, Siyu Tao, Jie Zhou, Linlin Wang, Xin Lin and Liang He

*Masked Reasoner at SemEval-2020 Task 4: Fine-Tuning RoBERTa for Commonsense Reasoning*
Daming Lu

*QiaoNing at SemEval-2020 Task 4: Commonsense Validation and Explanation System Based on Ensemble of Language Model*
Liu Pai

*SWAGex at SemEval-2020 Task 4: Commonsense Explanation as Next Event Prediction*
Wiem Ben Rim and Naoaki Okazaki

*UoR at SemEval-2020 Task 4: Pre-trained Sentence Transformer Models for Commonsense Validation and Explanation*
Thanet Markchom, Bhuvana Dhruva, Chandresh Pravin and Huizhi Liang

*BUT-FIT at SemEval-2020 Task 5: Automatic Detection of Counterfactual Statements with Deep Pre-trained Language Representation Models*
Martin Fajcik, Josef Jon, Martin Docekal and Pavel Smrz

*CLaC at SemEval-2020 Task 5: Muli-task Stacked Bi-LSTMs*
MinGyou Sung, Parsa Bagherzadeh and Sabine Bergler

*CNRL at SemEval-2020 Task 5: Modelling Causal Reasoning in Language with Multi-Head Self-Attention Weights Based Counterfactual Detection*
Rajaswa Patil and Veeky Baths

**12/12/2020 (continued)**

*IITK-RSA at SemEval-2020 Task 5: Detecting Counterfactuals*
Anirudh Anil Ojha, Rohin Garg, Shashank Gupta and Ashutosh Modi

*Yseop at SemEval-2020 Task 5: Cascaded BERT Language Model for Counterfactual Statement Analysis*
Hanna Abi-Akl, Dominique Mariko and Estelle Labidurie

*ACNLP at SemEval-2020 Task 6: A Supervised Approach for Definition Extraction*
Fabien Caspani, Pirashanth Ratnamogan, Mathis Linger and Mhamed Hajaiej

*Gorynych Transformer at SemEval-2020 Task 6: Multi-task Learning for Definition Extraction*
Adis Davletov, Nikolay Arefyev, Alexander Shatilov, Denis Gordeev and Alexey Rey

**Common Sense Knowledge and Reasoning, Knowledge Extraction: unscheduled papers**

*CN-HIT-IT.NLP at SemEval-2020 Task 4: Enhanced Language Representation with Multiple Knowledge Triples*
Yice Zhang, Jiaxuan Lin, Yang Fan, Peng Jin, Yuanchao Liu and Bingquan Liu

*CS-NET at SemEval-2020 Task 4: Siamese BERT for ComVE*
Soumya Ranjan Dash, Sandeep Routray, Prateek Varshney and Ashutosh Modi

*CS-NLP Team at SemEval-2020 Task 4: Evaluation of State-of-the-art NLP Deep Learning Architectures on Commonsense Reasoning Task*
Sirwe Saeedi, Aliakbar Panahi, Seyran Saeedi and Alvis C Fong

*DEEPYANG at SemEval-2020 Task 4: Using the Hidden Layer State of BERT Model for Differentiating Common Sense*
Yang Bai and Xiaobing Zhou

*HR@JUST Team at SemEval-2020 Task 4: The Impact of RoBERTa Transformer for Evaluation Common Sense Understanding*
Heba Al-Jarrah, Rahaf Al-Hamouri and Mohammad AL-Smadi

*JBNU at SemEval-2020 Task 4: BERT and UniLM for Commonsense Validation and Explanation*
Seung-Hoon Na and Jong-Hyeon Lee

*JUSTers at SemEval-2020 Task 4: Evaluating Transformer Models against Commonsense Validation and Explanation*
Ali Fadel, Mahmoud Al-Ayyoub and Erik Cambria

**12/12/2020 (continued)**

*KaLM at SemEval-2020 Task 4: Knowledge-aware Language Models for Comprehension and Generation*
Jiajing Wan and Xinting Huang

*KDE SenseForce at SemEval-2020 Task 4: Exploiting BERT for Commonsense Validation and Explanation*
Khanddorj Mendbayar and Masaki Aono

*Lijunyi at SemEval-2020 Task 4: An ALBERT Model Based Maximum Ensemble with Different Training Sizes and Depths for Commonsense Validation and Explanation*
Junyi Li, Bin Wang and Haiyan Ding

*LMVE at SemEval-2020 Task 4: Commonsense Validation and Explanation Using Pretraining Language Model*
Shilei Liu, Yu Guo, BoChao Li and Feiliang Ren

*Mxgra at SemEval-2020 Task 4: Common Sense Making with Next Token Prediction*
Kris Collins, Max Grathwohl and Heba Ahmed

*NLP@JUST at SemEval-2020 Task 4: Ensemble Technique for BERT and Roberta to Evaluate Commonsense Validation*
Emran Al-Bashabsheh, Ayah Abu Aqouleh and Mohammad AL-Smadi

*SSN-NLP at SemEval-2020 Task 4: Text Classification and Generation on Common Sense Context Using Neural Networks*
Rishivardhan K., Kayalvizhi S, Thenmozhi D., Raghav R. and Kshitij Sharma

*Team Solomon at SemEval-2020 Task 4: Be Reasonable: Exploiting Large-scale Language Models for Commonsense Reasoning*
Vertika Srivastava, Sudeep Kumar Sahoo, Yeon Hyang Kim, Rohit R.R, Mayank Raj and Ajay Jaiswal

*TeamJUST at SemEval-2020 Task 4: Commonsense Validation and Explanation Using Ensembling Techniques*
Roweida Mohammed and Malak Abdullah

*TR at SemEval-2020 Task 4: Exploring the Limits of Language-model-based Common Sense Validation*
Don Teo

*UAICS at SemEval-2020 Task 4: Using a Bidirectional Transformer for Task a*
Ciprian-Gabriel Cusmuliuc, Lucia-Georgiana Coca and Adrian Iftene

*UI at SemEval-2020 Task 4: Commonsense Validation and Explanation by Exploiting Contradiction*
Kerenza Doxolodeo and Rahmad Mahendra

**12/12/2020 (continued)**

*Warren at SemEval-2020 Task 4: ALBERT and Multi-Task Learning for Commonsense Validation*
Yuhang Wu and Hao Wu

*YNU-oxz at SemEval-2020 Task 4: Commonsense Validation Using BERT with Bidirectional GRU*
Xiaozhi Ou and Hongling Li

*BLCU-NLP at SemEval-2020 Task 5: Data Augmentation for Efficient Counterfactual Detecting*
Chang Liu and Dong Yu

*BYteam at SemEval-2020 Task 5: Detecting Counterfactual Statements with BERT and Ensembles*
Yang Bai and Xiaobing Zhou

*ETHAN at SemEval-2020 Task 5: Modelling Causal Reasoning in Language Using Neuro-symbolic Cloud Computing*
Len Yabloko

*Ferryman as SemEval-2020 Task 5: Optimized BERT for Detecting Counterfactuals*
Weilong Chen, Yan Zhuang, Peng Wang, Feng Hong, Yan Wang and Yanru Zhang

*ISCAS at SemEval-2020 Task 5: Pre-trained Transformers for Counterfactual Statement Modeling*
Yaojie Lu, Annan Li, Hongyu Lin, Xianpei Han and Le Sun

*Lee at SemEval-2020 Task 5: ALBERT Model Based on the Maximum Ensemble Strategy and Different Data Sampling Methods for Detecting Counterfactual Statements*
Junyi Li, Yuhang Wu, Bin Wang and Haiyan Ding

*NLU-Co at SemEval-2020 Task 5: NLU/SVM Based Model Apply Tocharacterise and Extract Counterfactual Items on Raw Data*
Elvis Mboning Tchiaze and Damien Nouvel

*Pheonix at SemEval-2020 Task 5: Masking the Labels Lubricates Models for Sequence Labeling*
Pouria Babvey, Dario Borrelli, Yutong Zhao and Carlo Lipizzi

*YNU-oxz at SemEval-2020 Task 5: Detecting Counterfactuals Based on Ordered Neurons LSTM and Hierarchical Attention Network*
Xiaozhi Ou, Shengyan Liu and Hongling Li

*BERTatDE at SemEval-2020 Task 6: Extracting Term-definition Pairs in Free Text Using Pre-trained Model*
Huihui Zhang and Feiliang Ren

**12/12/2020 (continued)**

*DeftPunk at SemEval-2020 Task 6: Using RNN-ensemble for the Sentence Classification.*
Jekaterina Kaparina and Anna Soboleva

*Defx at SemEval-2020 Task 6: Joint Extraction of Concepts and Relations for Definition Extraction*
Marc Hübner, Christoph Alt, Robert Schwarzenberg and Leonhard Hennig

*DSC IIT-ISM at SemEval-2020 Task 6: Boosting BERT with Dependencies for Definition Extraction*
Aadarsh Singh, Priyanshu Kumar and Aman Sinha

*RGCL at SemEval-2020 Task 6: Neural Approaches to DefinitionExtraction*
Tharindu Ranasinghe, Alistair Plum, Constantin Orasan and Ruslan Mitkov

*TüKaPo at SemEval-2020 Task 6: Def(n)tly Not BERT: Definition Extraction Using pre-BERT Methods in a post-BERT World*
Madeeswaran Kannan and Haemanth Santhi Ponnusamy

*UNIXLONG at SemEval-2020 Task 6: A Joint Model for Definition Extraction*
ShuYi Xie, Jian Ma, Haiqin Yang, Jiang Lianxin, Mo Yang and Jianping Shen

*UPB at SemEval-2020 Task 6: Pretrained Language Models for Definition Extraction*
Andrei-Marius Avram, Dumitru-Clementin Cercel and Costin Chiru

**13/12/2020**

**14:00–14:30 Humour and Sentiment: oral session**

*SemEval-2020 Task 7: Assessing Humor in Edited News Headlines*
Nabil Hossain, John Krumm, Michael Gamon and Henry Kautz

*SemEval-2020 Task 8: Memotion Analysis- the Visuo-Lingual Metaphor!*
Chhavi Sharma, Deepesh Bhageria, William Scott, Srinivas Pykl, Amitava Das, Tanmoy Chakraborty, Viswanath Pulabaigari and Björn Gambäck

*SemEval-2020 Task 9: Overview of Sentiment Analysis of Code-Mixed Tweets*
Parth Patwa, Gustavo Aguilar, Sudipta Kar, Suraj Pandey, Srinivas PYKL, Björn Gambäck, Tanmoy Chakraborty, Thamar Solorio and Amitava Das

**13/12/2020 (continued)**

*Hitachi at SemEval-2020 Task 7: Stacking at Scale with Heterogeneous Language Models for Humor Recognition*
Terufumi Morishita, Gaku Morio, Hiroaki Ozaki and Toshinori Miyoshi

*SESAM at SemEval-2020 Task 8: Investigating the Relationship between Image and Text in Sentiment Analysis of Memes*
Lisa Bonheme and Marek Grzes

*Kk2018 at SemEval-2020 Task 9: Adversarial Training for Code-Mixing Sentiment Classification*
Jiaxiang Liu, Xuyi Chen, Shikun Feng, Shuohuan Wang, Xuan Ouyang, Yu Sun, Zhengjie Huang and Weiyue Su

**14:30–16:00 Humour and Sentiment: poster session**

*Buhscitu at SemEval-2020 Task 7: Assessing Humour in Edited News Headlines Using Hand-Crafted Features and Online Knowledge Bases*
Kristian Nørgaard Jensen, Nicolaj Filrup Rasmussen, Thai Wang, Marco Placenti and Barbara Plank

*Hasyarasa at SemEval-2020 Task 7: Quantifying Humor as Departure from Expectedness*
Ravi Theja Desetty, Ranit Chatterjee and Smita Ghaisas

*JokeMeter at SemEval-2020 Task 7: Convolutional Humor*
Martin Docekal, Martin Fajcik, Josef Jon and Pavel Smrz

*KDEhumor at SemEval-2020 Task 7: A Neural Network Model for Detecting Funniness in Dataset Humicroedit*
Rida Miraj and Masaki Aono

*LRG at SemEval-2020 Task 7: Assessing the Ability of BERT and Derivative Models to Perform Short-Edits Based Humor Grading*
Siddhant Mahurkar and Rajaswa Patil

*SSN_NLP at SemEval-2020 Task 7: Detecting Funniness Level Using Traditional Learning with Sentence Embeddings*
Kayalvizhi S, Thenmozhi D. and Aravindan Chandrabose

*YNU-HPCC at SemEval-2020 Task 7: Using an Ensemble BiGRU Model to Evaluate the Humor of Edited News Titles*
Joseph Tomasulo, Jin Wang and Xuejie Zhang

*DSC IIT-ISM at SemEval-2020 Task 8: Bi-Fusion Techniques for Deep Meme Emotion Analysis*
Pradyumna Gupta, Himanshu Gupta and Aman Sinha

**13/12/2020 (continued)**

*IIITG-ADBU at SemEval-2020 Task 8: A Multimodal Approach to Detect Offensive, Sarcastic and Humorous Memes*
Arup Baruah, Kaushik Das, Ferdous Barbhuiya and Kuntal Dey

*NLP_UIOWA at SemEval-2020 Task 8: You're Not the Only One Cursed with Knowledge - Multi Branch Model Memotion Analysis*
Ingroj Shrestha and Jonathan Rusert

*NUAA-QMUL at SemEval-2020 Task 8: Utilizing BERT and DenseNet for Internet Meme Emotion Analysis*
Xiaoyu Guo, Jing Ma and Arkaitz Zubiaga

*PRHLT-UPV at SemEval-2020 Task 8: Study of Multimodal Techniques for Memes Analysis*
Gretel Liz De la Peña Sarracén, Paolo Rosso and Anastasia Giachanou

*YNU-HPCC at SemEval-2020 Task 8: Using a Parallel-Channel Model for Memotion Analysis*
Li Yuan, Jin Wang and Xuejie Zhang

*CS-Embed at SemEval-2020 Task 9: The Effectiveness of Code-switched Word Embeddings for Sentiment Analysis*
Frances Adriana Laureano De Leon, Florimond Guéniat and Harish Tayyar Madabushi

*FII-UAIC at SemEval-2020 Task 9: Sentiment Analysis for Code-Mixed Social Media Text Using CNN*
Lavinia Aparaschivei, Andrei Palihovici and Daniela Gîfu

*HinglishNLP at SemEval-2020 Task 9: Fine-tuned Language Models for Hinglish Sentiment Detection*
Meghana Bhange and Nirant Kasliwal

*HPCC-YNU at SemEval-2020 Task 9: A Bilingual Vector Gating Mechanism for Sentiment Analysis of Code-Mixed Text*
Jun Kong, Jin Wang and Xuejie Zhang

*IIITG-ADBU at SemEval-2020 Task 9: SVM for Sentiment Analysis of English-Hindi Code-Mixed Text*
Arup Baruah, Kaushik Das, Ferdous Barbhuiya and Kuntal Dey

*MSR India at SemEval-2020 Task 9: Multilingual Models Can Do Code-Mixing Too*
Anirudh Srinivasan

*NLP-CIC at SemEval-2020 Task 9: Analysing Sentiment in Code-switching Language Using a Simple Deep-learning Classifier*
Jason Angel, Segun Taofeek Aroyehun, Antonio Tamayo and Alexander Gelbukh

**13/12/2020 (continued)**

*Palomino-Ochoa at SemEval-2020 Task 9: Robust System Based on Transformer for Code-Mixed Sentiment Classification*
Daniel Palomino and José Ochoa-Luna

*ULD@NUIG at SemEval-2020 Task 9: Generative Morphemes with an Attention Model for Sentiment Analysis in Code-Mixed Text*
Koustava Goswami, Priya Rani, Bharathi Raja Chakravarthi, Theodorus Fransen and John P. McCrae

*XLP at SemEval-2020 Task 9: Cross-lingual Models with Focal Loss for Sentiment Analysis of Code-Mixing Language*
Yili Ma, Liang Zhao and Jie Hao

**Humour and Sentiment: unscheduled papers**

*Amobee at SemEval-2020 Task 7: Regularization of Language Model Based Classifiers*
Alon Rozental, Dadi Biton and Ido Blank

*Duluth at SemEval-2020 Task 7: Using Surprise as a Key to Unlock Humorous Headlines*
Shuning Jin, Yue Yin, XianE Tang and Ted Pedersen

*ECNU at SemEval-2020 Task 7: Assessing Humor in Edited News Headlines Using BiLSTM with Attention*
Tiantian Zhang, Zhixuan Chen and Man Lan

*ELMo-NB at SemEval-2020 Task 7: Assessing Sense of Humor in EditedNews Headlines Using ELMo and NB*
Enas Khwaileh and Muntaha A. Al-As'ad

*Ferryman at SemEval-2020 Task 7: Ensemble Model for Assessing Humor in Edited News Headlines*
Weilong Chen, Jipeng Li, Chenghao Huang, Wei Bai, Yanru Zhang and Yan Wang

*Funny3 at SemEval-2020 Task 7: Humor Detection of Edited Headlines with LSTM and TFIDF Neural Network System*
Xuefeng Luo and Kuan Tang

*HumorAAC at SemEval-2020 Task 7: Assessing the Funniness of Edited News Headlines through Regression and Trump Mentions*
Anna-Katharina Dick, Charlotte Weirich and Alla Kutkina

*LMML at SemEval-2020 Task 7: Siamese Transformers for Rating Humor in Edited News Headlines*
Pramodith Ballapuram

**13/12/2020 (continued)**

*LT3 at SemEval-2020 Task 7: Comparing Feature-Based and Transformer-Based Approaches to Detect Funny Headlines*
Bram Vanroy, Sofie Labat, Olha Kaminska, Els Lefever and Veronique Hoste

*MLEngineer at SemEval-2020 Task 7: BERT-Flair Based Humor Detection Model (BFHumor)*
Fara Shatnawi, Malak Abdullah and Mahmoud Hammad

*Smash at SemEval-2020 Task 7: Optimizing the Hyperparameters of ERNIE 2.0 for Humor Ranking and Rating*
J. A. Meaney, Steven Wilson and Walid Magdy

*SO at SemEval-2020 Task 7: DeepPavlov Logistic Regression with BERT Embeddings vs SVR at Funniness Evaluation*
Anita Soloveva

*UniTuebingenCL at SemEval-2020 Task 7: Humor Detection in News Headlines*
Charlotte Ammer and Lea Grüner

*UTFPR at SemEval-2020 Task 7: Using Co-occurrence Frequencies to Capture Unexpectedness*
Gustavo Henrique Paetzold

*WUY at SemEval-2020 Task 7: Combining BERT and Naive Bayes-SVM for Humor Assessment in Edited News Headlines*
Cheng Zhang and Hayato Yamana

*XSYSIGMA at SemEval-2020 Task 7: Method for Predicting Headlines' Humor Based on Auxiliary Sentences with EI-BERT*
Jian Ma, ShuYi Xie, Meizhi Jin, Jiang Lianxin, Mo Yang and Jianping Shen

*BennettNLP at SemEval-2020 Task 8: Multimodal sentiment classification Using Hybrid Hierarchical Classifier*
Ambuje Gupta, Harsh Kataria, Souvik Mishra, Tapas Badal and Vipul Mishra

*BERT at SemEval-2020 Task 8: Using BERT to Analyse Meme Emotions*
Adithya Avvaru and Sanath Vobilisetty

*CN-HIT-MI.T at SemEval-2020 Task 8: Memotion Analysis Based on BERT*
Zhen Li, Yaojie Zhang, Bing Xu and Tiejun Zhao

*CSECU_KDE_MA at SemEval-2020 Task 8: A Neural Attention Model for Memotion Analysis*
Abu Nowshed Chy, Umme Aymun Siddiqua and Masaki Aono

**13/12/2020 (continued)**

*Gundapusunil at SemEval-2020 Task 8: Multimodal Memotion Analysis*
Sunil Gundapu and Radhika Mamidi

*Guoym at SemEval-2020 Task 8: Ensemble-based Classification of Visuo-Lingual Metaphor in Memes*
Yingmei Guo, Jinfa Huang, Yanlong Dong and Mingxing Xu

*Hitachi at SemEval-2020 Task 8: Simple but Effective Modality Ensemble for Meme Emotion Recognition*
Terufumi Morishita, Gaku Morio, Shota Horiguchi, Hiroaki Ozaki and Toshinori Miyoshi

*IITK at SemEval-2020 Task 8: Unimodal and Bimodal Sentiment Analysis of Internet Memes*
Vishal Keswani, Sakshi Singh, Suryansh Agarwal and Ashutosh Modi

*Infotec + CentroGEO at SemEval-2020 Task 8: Deep Learning and Text Categorization approach for Memes classification*
Guillermo Ruiz, Eric S. Tellez, Daniela Moctezuma, Sabino Miranda-Jiménez, Tania Ramírez-delReal and Mario Graff

*KAFK at SemEval-2020 Task 8: Extracting Features from Pre-trained Neural Networks to Classify Internet Memes*
Kaushik Amar Das, Arup Baruah, Ferdous Ahmed Barbhuiya and Kuntal Dey

*LT3 at SemEval-2020 Task 8: Multi-Modal Multi-Task Learning for Memotion Analysis*
Pranaydeep Singh, Nina Bauwelinck and Els Lefever

*Memebusters at SemEval-2020 Task 8: Feature Fusion Model for Sentiment Analysis on Memes Using Transfer Learning*
Mayukh Sharma, Ilanthenral Kandasamy and W.B. Vasantha

*MemoSYS at SemEval-2020 Task 8: Multimodal Emotion Analysis in Memes*
Irina Bejan

*NIT-Agartala-NLP-Team at SemEval-2020 Task 8: Building Multimodal Classifiers to Tackle Internet Humor*
Steve Durairaj Swamy, Shubham Laddha, Basil Abdussalam, Debayan Datta and Anupam Jamatia

*SIS@IIITH at SemEval-2020 Task 8: An Overview of Simple Text Classification Methods for Meme Analysis*
Sravani Boinepelli, Manish Shrivastava and Vasudeva Varma

*UI at SemEval-2020 Task 8: Text-Image Fusion for Sentiment Classification*
Andi Suciati and Indra Budi

**13/12/2020 (continued)**

*UoR at SemEval-2020 Task 8: Gaussian Mixture Modelling (GMM) Based Sampling Approach for Multi-modal Memotion Analysis*
Zehao Liu, Emmanuel Osei-Brefo, Siyuan Chen and Huizhi Liang

*UPB at SemEval-2020 Task 8: Joint Textual and Visual Modeling in a Multi-Task Learning Architecture for Memotion Analysis*
George-Alexandru Vlad, George-Eduard Zaharia, Dumitru-Clementin Cercel, Costin Chiru and Stefan Trausan-Matu

*Urszula Walińska at SemEval-2020 Task 8: Fusion of Text and Image Features Using LSTM and VGG16 for Memotion Analysis*
Urszula Walińska and Jędrzej Potoniec

*BAKSA at SemEval-2020 Task 9: Bolstering CNN with Self-Attention for Sentiment Analysis of Code Mixed Text*
Ayush Kumar, Harsh Agarwal, Keshav Bansal and Ashutosh Modi

*C1 at SemEval-2020 Task 9: SentiMix: Sentiment Analysis for Code-Mixed Social Media Text Using Feature Engineering*
Laksh Advani, Clement Lu and Suraj Maharjan

*Deep Learning Brasil - NLP at SemEval-2020 Task 9: Sentiment Analysis of Code-Mixed Tweets Using Ensemble of Language Models*
Manoel Veríssimo dos Santos Neto, Ayrton Amaral, Nádia Silva and Anderson da Silva Soares

*FiSSA at SemEval-2020 Task 9: Fine-tuned for Feelings*
Bertelt Braaksma, Richard Scholtens, Stan van Suijlekom, Remy Wang and Ahmet Üstün

*Gundapusunil at SemEval-2020 Task 9: Syntactic Semantic LSTM Architecture for SENTIment Analysis of Code-MIXed Data*
Sunil Gundapu and Radhika Mamidi

*HCMS at SemEval-2020 Task 9: A Neural Approach to Sentiment Analysis for Code-Mixed Texts*
Aditya Srivastava and V. Harsha Vardhan

*IIT Gandhinagar at SemEval-2020 Task 9: Code-Mixed Sentiment Classification Using Candidate Sentence Generation and Selection*
Vivek Srivastava and Mayank Singh

*IRLab_DAIICT at SemEval-2020 Task 9: Machine Learning and Deep Learning Methods for Sentiment Analysis of Code-Mixed Tweets*
Apurva Parikh, Abhimanyu Singh Bisht and Prasenjit Majumder

*IUST at SemEval-2020 Task 9: Sentiment Analysis for Code-Mixed Social Media Text Using Deep Neural Networks and Linear Baselines*
Soroush Javdan, Taha Shangipour ataei and Behrouz Minaei-Bidgoli

**13/12/2020 (continued)**

*JUNLP at SemEval-2020 Task 9: Sentiment Analysis of Hindi-English Code Mixed Data Using Grid Search Cross Validation*
Avishek Garain, Sainik Mahata and Dipankar Das

*LIMSI_UPV at SemEval-2020 Task 9: Recurrent Convolutional Neural Network for Code-mixed Sentiment Analysis*
Somnath Banerjee, Sahar Ghannay, Sophie Rosset, Anne Vilnat and Paolo Rosso

*LT3 at SemEval-2020 Task 9: Cross-lingual Embeddings for Sentiment Analysis of Hinglish Social Media Text*
Pranaydeep Singh and Els Lefever

*MeisterMorxrc at SemEval-2020 Task 9: Fine-Tune Bert and Multitask Learning for Sentiment Analysis of Code-Mixed Tweets*
Qi Wu, Peng Wang and Chenghao Huang

*NITS-Hinglish-SentiMix at SemEval-2020 Task 9: Sentiment Analysis for Code-Mixed Social Media Text Using an Ensemble Model*
Subhra Jyoti Baroi, Nivedita Singh, Ringki Das and Thoudam Doren Singh

*Reed at SemEval-2020 Task 9: Fine-Tuning and Bag-of-Words Approaches to Code-Mixed Sentiment Analysis*
Vinay Gopalan and Mark Hopkins

*Team_Swift at SemEval-2020 Task 9: Tiny Data Specialists through Domain-Specific Pre-training on Code-Mixed Data*
Aditya Malte, Pratik Bhavsar and Sushant Rathi

*TueMix at SemEval-2020 Task 9: Logistic Regression with Linguistic Feature Set*
Elizabeth Bear, Diana Constantina Hoefels and Mihai Manolescu

*UPB at SemEval-2020 Task 9: Identifying Sentiment in Code-Mixed Social Media Texts Using Transformers and Multi-Task Learning*
George-Eduard Zaharia, George-Alexandru Vlad, Dumitru-Clementin Cercel, Traian Rebedea and Costin Chiru

*Voice@SRIB at SemEval-2020 Tasks 9 and 12: Stacked Ensemblingmethod for Sentiment and Offensiveness detection in Social Media*
Abhishek Singh and Surya Pratap Singh Parmar

*WESSA at SemEval-2020 Task 9: Code-Mixed Sentiment Analysis Using Transformers*
Ahmed Sultan, Mahmoud Salim, Amina Gaber and Islam El Hosary

*Will_go at SemEval-2020 Task 9: An Accurate Approach for Sentiment Analysis on Hindi-English Tweets Based on Bert and Pesudo Label Strategy*
Wei Bao, Weilong Chen, Wei Bai, Yan Zhuang, Mingyuan Cheng and Xiangyu Ma

**13/12/2020 (continued)**

*Zyy1510 Team at SemEval-2020 Task 9: Sentiment Analysis for Code-Mixed Social Media Text with Sub-word Level Representations*
Yueying Zhu, Xiaobing Zhou, Hongling Li and Kunjie Dong

**16:00–17:00 Invited talk: Jackie Cheung**

**17:00–17:30 Visual Media and Societal Applications: oral session**

*SemEval-2020 Task 10: Emphasis Selection for Written Text in Visual Media*
Amirreza Shirani, Franck Dernoncourt, Nedim Lipka, Paul Asente, Jose Echevarria and Thamar Solorio

*IDS at SemEval-2020 Task 10: Does Pre-trained Language Model Know What to Emphasize?*
Jaeyoul Shin, Taeuk Kim and Sang-goo Lee

*SemEval-2020 Task 11: Detection of Propaganda Techniques in News Articles*
Giovanni Da San Martino, Alberto Barrón-Cedeño, Henning Wachsmuth, Rostislav Petrov and Preslav Nakov

*ApplicaAI at SemEval-2020 Task 11: On RoBERTa-CRF, Span CLS and Whether Self-Training Helps Them*
Dawid Jurkiewicz, Łukasz Borchmann, Izabela Kosmala and Filip Graliński

*SemEval-2020 Task 12: Multilingual Offensive Language Identification in Social Media (OffensEval 2020)*
Marcos Zampieri, Preslav Nakov, Sara Rosenthal, Pepa Atanasova, Georgi Karadzhov, Hamdy Mubarak, Leon Derczynski, Zeses Pitenis and Çağrı Çöltekin

*Galileo at SemEval-2020 Task 12: Multi-lingual Learning for Offensive Language Identification Using Pre-trained Language Models*
Shuohuan Wang, Jiaxiang Liu, Xuan Ouyang and Yu Sun

**17:30–19:00 Visual Media and Societal Applications: poster session**

*ERNIE at SemEval-2020 Task 10: Learning Word Emphasis Selection by Pre-trained Language Model*
Zhengjie Huang, Shikun Feng, Weiyue Su, Xuyi Chen, Shuohuan Wang, Jiaxiang Liu, Xuan Ouyang and Yu Sun

*Aschern at SemEval-2020 Task 11: It Takes Three to Tango: RoBERTa, CRF, and Transfer Learning*
Anton Chernyavskiy, Dmitry Ilvovsky and Preslav Nakov

*CyberWallE at SemEval-2020 Task 11: An Analysis of Feature Engineering for Ensemble Models for Propaganda Detection*
Verena Blaschke, Maxim Korniyenko and Sam Tureski

*Inno at SemEval-2020 Task 11: Leveraging Pure Transfomer for Multi-Class Propaganda Detection*
Dmitry Grigorev and Vladimir Ivanov

*NoPropaganda at SemEval-2020 Task 11: A Borrowed Approach to Sequence Tagging and Text Classification*
Ilya Dimov, Vladislav Korzun and Ivan Smurov

*NTUAAILS at SemEval-2020 Task 11: Propaganda Detection and Classification with biLSTMs and ELMo*
Anastasios Arsenos and Georgios Siolas

*Team DoNotDistribute at SemEval-2020 Task 11: Features, Finetuning, and Data Augmentation in Neural Models for Propaganda Detection in News Articles*
Michael Kranzlein, Shabnam Behzad and Nazli Goharian

*YNU-HPCC at SemEval-2020 Task 11: LSTM Network for Detection of Propaganda Techniques in News Articles*
Jiaxu Dao, Jin Wang and Xuejie Zhang

*AdelaideCyC at SemEval-2020 Task 12: Ensemble of Classifiers for Offensive Language Detection in Social Media*
Mahen Herath, Thushari Atapattu, Hoang Anh Dung, Christoph Treude and Katrina Falkner

*ANDES at SemEval-2020 Task 12: A Jointly-trained BERT Multilingual Model for Offensive Language Detection*
Juan Manuel Pérez, Aymé Arango and Franco Luque

*BhamNLP at SemEval-2020 Task 12: An Ensemble of Different Word Embeddings and Emotion Transfer Learning for Arabic Offensive Language Identification in Social Media*
Abdullah I. Alharbi and Mark Lee

**13/12/2020 (continued)**

*FBK-DH at SemEval-2020 Task 12: Using Multi-channel BERT for Multilingual Offensive Language Detection*
Camilla Casula, Alessio Palmero Aprosio, Stefano Menini and Sara Tonelli

*GruPaTo at SemEval-2020 Task 12: Retraining mBERT on Social Media and Fine-tuned Offensive Language Models*
Davide Colla, Tommaso Caselli, Valerio Basile, Jelena Mitrović and Michael Granitzer

*GUIR at SemEval-2020 Task 12: Domain-Tuned Contextualized Models for Offensive Language Detection*
Sajad Sotudeh, Tong Xiang, Hao-Ren Yao, Sean MacAvaney, Eugene Yang, Nazli Goharian and Ophir Frieder

*IIITG-ADBU at SemEval-2020 Task 12: Comparison of BERT and BiLSTM in Detecting Offensive Language*
Arup Baruah, Kaushik Das, Ferdous Barbhuiya and Kuntal Dey

*LT@Helsinki at SemEval-2020 Task 12: Multilingual or Language-specific BERT?*
Marc Pàmies, Emily Öhman, Kaisla Kajava and Jörg Tiedemann

*NLPDove at SemEval-2020 Task 12: Improving Offensive Language Detection with Cross-lingual Transfer*
Hwijeen Ahn, Jimin Sun, Chan Young Park and Jungyun Seo

*Nova-Wang at SemEval-2020 Task 12: OffensEmblert: An Ensemble ofOffensive Language Classifiers*
Susan Wang and Zita Marinho

*NUIG at SemEval-2020 Task 12: Pseudo Labelling for Offensive Content Classification*
Shardul Suryawanshi, Mihael Arcan and Paul Buitelaar

*PRHLT-UPV at SemEval-2020 Task 12: BERT for Multilingual Offensive Language Detection*
Gretel Liz De la Peña Sarracén and Paolo Rosso

*PUM at SemEval-2020 Task 12: Aggregation of Transformer-based Models' Features for Offensive Language Recognition*
Piotr Janiszewski, Mateusz Skiba and Urszula Walińska

*SINAI at SemEval-2020 Task 12: Offensive Language Identification Exploring Transfer Learning Models*
Flor Miriam Plaza del Arco, M. Dolores Molina González, Alfonso Ureña-López and Maite Martin

*Team Oulu at SemEval-2020 Task 12: Multilingual Identification of Offensive Language, Type and Target of Twitter Post Using Translated Datasets*
Md Saroar Jahan

**13/12/2020 (continued)**

*UHH-LT at SemEval-2020 Task 12: Fine-Tuning of Pre-Trained Transformer Networks for Offensive Language Detection*
Gregor Wiedemann, Seid Muhie Yimam and Chris Biemann

**Visual Media and Societal Applications: unscheduled papers**

*EL-BERT at SemEval-2020 Task 10: A Multi-Embedding Ensemble Based Approach for Emphasis Selection in Visual Media*
Chandresh Kanani, Sriparna Saha and Pushpak Bhattacharyya

*FPAI at SemEval-2020 Task 10: A Query Enhanced Model with RoBERTa for Emphasis Selection*
Chenyang Guo, Xiaolong Hou, Junsong Ren, Lianxin Jiang, Yang Mo, Haiqin Yang and Jianping Shen

*Hitachi at SemEval-2020 Task 10: Emphasis Distribution Fusion on Fine-Tuned Language Models*
Gaku Morio, Terufumi Morishita, Hiroaki Ozaki and Toshinori Miyoshi

*IITK at SemEval-2020 Task 10: Transformers for Emphasis Selection*
Vipul Singhal, Sahil Dhull, Rishabh Agarwal and Ashutosh Modi

*LAST at SemEval-2020 Task 10: Finding Tokens to Emphasise in Short Written Texts with Precomputed Embedding Models and LightGBM*
Yves Bestgen

*MIDAS at SemEval-2020 Task 10: Emphasis Selection Using Label Distribution Learning and Contextual Embeddings*
Sarthak Anand, Pradyumna Gupta, Hemant Yadav, Debanjan Mahata, Rakesh Gosangi, Haimin Zhang and Rajiv Ratn Shah

*Randomseed19 at SemEval-2020 Task 10: Emphasis Selection for Written Text in Visual Media*
Aleksandr Shatilov, Denis Gordeev and Alexey Rey

*TextLearner at SemEval-2020 Task 10: A Contextualized Ranking System in Solving Emphasis Selection in Text*
Zhishen Yang, Lars Wolfsteller and Naoaki Okazaki

*TëXtmarkers at SemEval-2020 Task 10: Emphasis Selection with Agreement Dependent Crowd Layers*
Kevin Glocker and Stefanos Andreas Markianos Wright

*UIC-NLP at SemEval-2020 Task 10: Exploring an Alternate Perspective on Evaluation*
Philip Hossu and Natalie Parde

**13/12/2020 (continued)**

*YNU-HPCC at SemEval-2020 Task 10: Using a Multi-granularity Ordinal Classification of the BiLSTM Model for Emphasis Selection*
Dawei Liao, Jin Wang and Xuejie Zhang

*3218IR at SemEval-2020 Task 11: Conv1D and Word Embedding in Propaganda Span Identification at News Articles*
Dimas Sony Dewantara, Indra Budi and Muhammad Okky Ibrohim

*BPGC at SemEval-2020 Task 11: Propaganda Detection in News Articles with Multi-Granularity Knowledge Sharing and Linguistic Features Based Ensemble Learning*
Rajaswa Patil, Somesh Singh and Swati Agarwal

*DUTH at SemEval-2020 Task 11: BERT with Entity Mapping for Propaganda Classification*
Anastasios Bairaktaris, Symeon Symeonidis and Avi Arampatzis

*Hitachi at SemEval-2020 Task 11: An Empirical Study of Pre-Trained Transformer Family for Propaganda Detection*
Gaku Morio, Terufumi Morishita, Hiroaki Ozaki and Toshinori Miyoshi

*JUST at SemEval-2020 Task 11: Detecting Propaganda Techniques Using BERT Pre-trained Model*
Ola Altiti, Malak Abdullah and Rasha Obiedat

*LTIatCMU at SemEval-2020 Task 11: Incorporating Multi-Level Features for Multi-Granular Propaganda Span Identification*
Sopan Khosla, Rishabh Joshi, Ritam Dutt, Alan W Black and Yulia Tsvetkov

*newsSweeper at SemEval-2020 Task 11: Context-Aware Rich Feature Representations for Propaganda Classification*
Paramansh Singh, Siraj Sandhu, Subham Kumar and Ashutosh Modi

*NLFIIT at SemEval-2020 Task 11: Neural Network Architectures for Detection of Propaganda Techniques in News Articles*
Matej Martinkovic, Samuel Pecar and Marian Simko

*PsuedoProp at SemEval-2020 Task 11: Propaganda Span Detection Using BERT-CRF and Ensemble Sentence Level Classifier*
Aniruddha Chauhan and Harshita Diddee

*SkoltechNLP at SemEval-2020 Task 11: Exploring Unsupervised Text Augmentation for Propaganda Detection*
Daryna Dementieva, Igor Markov and Alexander Panchenko

*SocCogCom at SemEval-2020 Task 11: Characterizing and Detecting Propaganda Using Sentence-Level Emotional Salience Features*
Gangeshwar Krishnamurthy, Raj Kumar Gupta and Yinping Yang

**13/12/2020 (continued)**

*Solomon at SemEval-2020 Task 11: Ensemble Architecture for Fine-Tuned Propaganda Detection in News Articles*
Mayank Raj, Ajay Jaiswal, Rohit R.R, Ankita Gupta, Sudeep Kumar Sahoo, Vertika Srivastava and Yeon Hyang Kim

*syrapropa at SemEval-2020 Task 11: BERT-based Models Design for Propagandistic Technique and Span Detection*
Jinfen Li and Lu Xiao

*Team DiSaster at SemEval-2020 Task 11: Combining BERT and Hand-crafted Features for Identifying Propaganda Techniques in News*
Anders Kaas, Viktor Torp Thomsen and Barbara Plank

*Transformers at SemEval-2020 Task 11: Propaganda Fragment Detection Using Diversified BERT Architectures Based Ensemble Learning*
Ekansh Verma, Vinodh Motupalli and Souradip Chakraborty

*TTUI at SemEval-2020 Task 11: Propaganda Detection with Transfer Learning and Ensembles*
Moonsung Kim and Steven Bethard

*UAIC1860 at SemEval-2020 Task 11: Detection of Propaganda Techniques in News Articles*
Vlad Ermurachi and Daniela Gifu

*UMSIForeseer at SemEval-2020 Task 11: Propaganda Detection by Fine-Tuning BERT with Resampling and Ensemble Learning*
Yunzhe Jiang, Cristina Garbacea and Qiaozhu Mei

*UNTLing at SemEval-2020 Task 11: Detection of Propaganda Techniques in English News Articles*
Maia Petee and Alexis Palmer

*UPB at SemEval-2020 Task 11: Propaganda Detection with Domain-Specific Trained BERT*
Andrei Paraschiv, Dumitru-Clementin Cercel and Mihai Dascalu

*UTMN at SemEval-2020 Task 11: A Kitchen Solution to Automatic Propaganda Detection*
Elena Mikhalkova, Nadezhda Ganzherli, Anna Glazkova and Yuliya Bidulya

*WMD at SemEval-2020 Tasks 7 and 11: Assessing Humor and Propaganda Using Unsupervised Data Augmentation*
Guillaume Daval-Frerot and Yannick Weis

*YNUtaoxin at SemEval-2020 Task 11: Identification Fragments of Propaganda Technique by Neural Sequence Labeling Models with Different Tagging Schemes and Pre-trained Language Model*
Xin Tao and Xiaobing Zhou

**13/12/2020 (continued)**

*AlexU-BackTranslation-TL at SemEval-2020 Task 12: Improving Offensive Language Detection Using Data Augmentation and Transfer Learning*
Mai Ibrahim, Marwan Torki and Nagwa El-Makky

*ALT at SemEval-2020 Task 12: Arabic and English Offensive Language Identification in Social Media*
Sabit Hassan, Younes Samih, Hamdy Mubarak and Ahmed Abdelali

*Amsqr at SemEval-2020 Task 12: Offensive Language Detection Using Neural Networks and Anti-adversarial Features*
Alejandro Mosquera

*BRUMS at SemEval-2020 Task 12: Transformer Based Multilingual Offensive Language Identification in Social Media*
Tharindu Ranasinghe and Hansi Hettiarachchi

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*IR3218-UI at SemEval-2020 Task 12: Emoji Effects on Offensive Language Identifi-Cation*
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*Kungfupanda at SemEval-2020 Task 12: BERT-Based Multi-TaskLearning for Offensive Language Detection*
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*Ssn_nlp at SemEval 2020 Task 12: Offense Target Identification in Social Media Using Traditional and Deep Machine Learning Approaches*
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*TAC at SemEval-2020 Task 12: Ensembling Approach for Multilingual Offensive Language Identification in Social Media*
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