

15th International Workshop on Semantic Evaluation (SemEval 2021)

Held online

Bangkok, Thailand
5-6 August 2021

Volume 1 of 2

ISBN: 978-1-7138-3698-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by the Association for Computational Linguistics and the Asian Federation of Natural Language Processing
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact the Association for Computational Linguistics at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006
Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>SemEval-2021 Task 1: Lexical Complexity Prediction</i>	
Matthew Shardlow, Richard Evans, Gustavo Henrique Paetzold and Marcos Zampieri	1
<i>OCHADAI-KYOTO at SemEval-2021 Task 1: Enhancing Model Generalization and Robustness for Lexical Complexity Prediction</i>	
Yuki Taya, Lis Kanashiro Pereira, Fei Cheng and Ichiro Kobayashi	17
<i>SemEval-2021 Task 2: Multilingual and Cross-lingual Word-in-Context Disambiguation (MCL-WiC)</i>	
Federico Martelli, Najla Kalach, Gabriele Tola and Roberto Navigli	24
<i>SemEval-2021 Task 4: Reading Comprehension of Abstract Meaning</i>	
Boyuan Zheng, Xiaoyu Yang, Yu-Ping Ruan, Zhenhua Ling, Quan Liu, Si Wei and Xiaodan Zhu	37
<i>TA-MAMC at SemEval-2021 Task 4: Task-adaptive Pretraining and Multi-head Attention for Abstract Meaning Reading Comprehension</i>	
Jing Zhang, Yimeng Zhuang and Yinpei Su	51
<i>SemEval-2021 Task 5: Toxic Spans Detection</i>	
John Pavlopoulos, Jeffrey Sorensen, Léo Laugier and Ion Androutsopoulos	59
<i>SemEval-2021 Task 6: Detection of Persuasion Techniques in Texts and Images</i>	
Dimitar Dimitrov, Bishr Bin Ali, Shaden Shaar, Firoj Alam, Fabrizio Silvestri, Hamed Firooz, Preslav Nakov and Giovanni Da San Martino	70
<i>Alpha at SemEval-2021 Task 6: Transformer Based Propaganda Classification</i>	
Zhida Feng, Jiji Tang, Jiayang Liu, Weichong Yin, Shikun Feng, Yu Sun and Li Chen	99
<i>SemEval 2021 Task 7: HaHackathon, Detecting and Rating Humor and Offense</i>	
J. A. Meaney, Steven Wilson, Luis Chiruzzo, Adam Lopez and Walid Magdy	105
<i>LangResearchLab NC at SemEval-2021 Task 1: Linguistic Feature Based Modelling for Lexical Complexity</i>	
Raksha Agarwal and Niladri Chatterjee	120
<i>Complex words identification using word-level features for SemEval-2020 Task 1</i>	
Jenny A. Ortiz-Zambrano and Arturo Montejó-Ráez	126
<i>TUDA-CCL at SemEval-2021 Task 1: Using Gradient-boosted Regression Tree Ensembles Trained on a Heterogeneous Feature Set for Predicting Lexical Complexity</i>	
Sebastian Gombert and Sabine Bartsch	130
<i>JCT at SemEval-2021 Task 1: Context-aware Representation for Lexical Complexity Prediction</i>	
Chaya Liebeskind, Otniel Elkayam and Shmuel Liebeskind	138
<i>IAPUCP at SemEval-2021 Task 1: Stacking Fine-Tuned Transformers is Almost All You Need for Lexical Complexity Prediction</i>	
Kervy Rivas Rojas and Fernando Alva-Manchego	144
<i>Uppsala NLP at SemEval-2021 Task 2: Multilingual Language Models for Fine-tuning and Feature Extraction in Word-in-Context Disambiguation</i>	
Huiling You, Xingran Zhu and Sara Stymne	150

<i>SkoltechNLP at SemEval-2021 Task 2: Generating Cross-Lingual Training Data for the Word-in-Context Task</i>	
Anton Razzhigaev, Nikolay Arefyev and Alexander Panchenko	157
<i>Zhestyatsky at SemEval-2021 Task 2: ReLU over Cosine Similarity for BERT Fine-tuning</i>	
Boris Zhestiankin and Maria Ponomareva	163
<i>SzegedAI at SemEval-2021 Task 2: Zero-shot Approach for Multilingual and Cross-lingual Word-in-Context Disambiguation</i>	
Gábor Berend	169
<i>ReCAM@IITK at SemEval-2021 Task 4: BERT and ALBERT based Ensemble for Abstract Word Prediction</i>	
Abhishek Mittal and Ashutosh Modi	175
<i>ECNU_ICA_1 SemEval-2021 Task 4: Leveraging Knowledge-enhanced Graph Attention Networks for Reading Comprehension of Abstract Meaning</i>	
Pingsheng Liu, Linlin Wang, Qian Zhao, Hao Chen, Yuxi Feng, Xin Lin and liang he	183
<i>LRG at SemEval-2021 Task 4: Improving Reading Comprehension with Abstract Words using Augmentation, Linguistic Features and Voting</i>	
Abheesht Sharma, Harshit Pandey, Gunjan Chhablani, Yash Bhartia and Tirtharaj Dash	189
<i>IIE-NLP-Eyas at SemEval-2021 Task 4: Enhancing PLM for ReCAM with Special Tokens, Re-Ranking, Siamese Encoders and Back Translation</i>	
Yuqiang Xie, Luxi Xing, Wei Peng and Yue Hu	199
<i>NLP-IIS@UT at SemEval-2021 Task 4: Machine Reading Comprehension using the Long Document Transformer</i>	
Hossein Basafa, Sajad Movahedi, Ali Ebrahimi, Azadeh Shakery and Heshaam Faili	205
<i>IITK@Detox at SemEval-2021 Task 5: Semi-Supervised Learning and Dice Loss for Toxic Spans Detection</i>	
Archit Bansal, Abhay Kaushik and Ashutosh Modi	211
<i>UniParma at SemEval-2021 Task 5: Toxic Spans Detection Using CharacterBERT and Bag-of-Words Model</i>	
Akbar Karimi, Leonardo Rossi and Andrea Prati	220
<i>UPB at SemEval-2021 Task 5: Virtual Adversarial Training for Toxic Spans Detection</i>	
Andrei Paraschiv, Dumitru-Clementin Cercel and Mihai Dascalu	225
<i>NLRG at SemEval-2021 Task 5: Toxic Spans Detection Leveraging BERT-based Token Classification and Span Prediction Techniques</i>	
Gunjan Chhablani, Abheesht Sharma, Harshit Pandey, Yash Bhartia and Shan Suthaharan	233
<i>UoB at SemEval-2021 Task 5: Extending Pre-Trained Language Models to Include Task and Domain-Specific Information for Toxic Span Prediction</i>	
Erik Yan and Harish Tayyar Madabushi	243
<i>Cisco at SemEval-2021 Task 5: What's Toxic?: Leveraging Transformers for Multiple Toxic Span Extraction from Online Comments</i>	
Sreyan Ghosh and Sonal Kumar	249

<i>MedAI at SemEval-2021 Task 5: Start-to-end Tagging Framework for Toxic Spans Detection</i>	
Zhen Wang, Hongjie Fan and Junfei Liu	258
<i>HamiltonDinggg at SemEval-2021 Task 5: Investigating Toxic Span Detection using RoBERTa Pre-training</i>	
Huiyang Ding and David Jurgens	263
<i>WVOQ at SemEval-2021 Task 6: BART for Span Detection and Classification</i>	
Cees Roele	270
<i>HumorHunter at SemEval-2021 Task 7: Humor and Offense Recognition with Disentangled Attention</i>	
Yubo Xie, Junze Li and Pearl Pu	275
<i>Grenzlinie at SemEval-2021 Task 7: Detecting and Rating Humor and Offense</i>	
Renyuanyan Liu and Xiaobing Zhou	281
<i>abcbpc at SemEval-2021 Task 7: ERNIE-based Multi-task Model for Detecting and Rating Humor and Offense</i>	
Chao Pang, Xiaoran Fan, Weiyue Su, Xuyi Chen, Shuohuan Wang, Jiaxiang Liu, Xuan Ouyang, Shikun Feng and Yu Sun	286
<i>Humor@IITK at SemEval-2021 Task 7: Large Language Models for Quantifying Humor and Offensiveness</i>	
Aishwarya Gupta, Avik Pal, Bholeshwar Khurana, Lakshay Tyagi and Ashutosh Modi	290
<i>RoMa at SemEval-2021 Task 7: A Transformer-based Approach for Detecting and Rating Humor and Offense</i>	
Roberto Labadie, Mariano Jason Rodriguez, Reynier Ortega and Paolo Rosso	297
<i>SemEval-2021 Task 8: MeasEval – Extracting Counts and Measurements and their Related Contexts</i>	
Corey Harper, Jessica Cox, Curt Kohler, Antony Scerri, Ron Daniel Jr. and Paul Groth	306
<i>SemEval-2021 Task 9: Fact Verification and Evidence Finding for Tabular Data in Scientific Documents (SEM-TAB-FACTS)</i>	
Nancy X. R. Wang, Diwakar Mahajan, Marina Danilevsky and Sara Rosenthal	317
<i>BreakingBERT@IITK at SemEval-2021 Task 9: Statement Verification and Evidence Finding with Tables</i>	
Aditya Jindal, Ankur Gupta, Jaya Srivastava, Preeti Menghwani, Vijit Malik, Vishesh Kaushik and Ashutosh Modi	327
<i>SemEval-2021 Task 12: Learning with Disagreements</i>	
Alexandra Uma, Tommaso Fornaciari, Anca Dumitrache, Tristan Miller, Jon Chamberlain, Barbara Plank, Edwin Simpson and Massimo Poesio	338
<i>SemEval-2021 Task 10: Source-Free Domain Adaptation for Semantic Processing</i>	
Egoitz Laparra, Xin Su, Yiyun Zhao, Özlem Uzuner, Timothy Miller and Steven Bethard	348
<i>BLCUFIGHT at SemEval-2021 Task 10: Novel Unsupervised Frameworks For Source-Free Domain Adaptation</i>	
Weikang Wang, Yi Wu, Yixiang Liu and Pengyuan Liu	357
<i>SemEval-2021 Task 11: NLPContributionGraph - Structuring Scholarly NLP Contributions for a Research Knowledge Graph</i>	
Jennifer D’Souza, Sören Auer and Ted Pedersen	364

<i>UIUC_BioNLP at SemEval-2021 Task 11: A Cascade of Neural Models for Structuring Scholarly NLP Contributions</i>	
Haoyang Liu, M. Janina Sarol and Halil Kilicoglu	377
<i>KGP at SemEval-2021 Task 8: Leveraging Multi-Staged Language Models for Extracting Measurements, their Attributes and Relations</i>	
Neel Karia, Ayush Kaushal and Faraaz Mallick	387
<i>DPR at SemEval-2021 Task 8: Dynamic Path Reasoning for Measurement Relation Extraction</i>	
Amir Pouran Ben Veyseh, Franck Dernoncourt and Thien Huu Nguyen	397
<i>CLaC-np at SemEval-2021 Task 8: Dependency DGCNN</i>	
Nihatha Lathiff, Pavel PK Khloponin and Sabine Bergler	404
<i>CLaC-BP at SemEval-2021 Task 8: SciBERT Plus Rules for MeasEval</i>	
Benjamin Therien, Parsa Bagherzadeh and Sabine Bergler	410
<i>THiFly_Queens at SemEval-2021 Task 9: Two-stage Statement Verification with Adaptive Ensembling and Slot-based Operation</i>	
Yuxuan Zhou, Kaiyin Zhou, Xien Liu, Ji Wu and Xiaodan Zhu	416
<i>TAPAS at SemEval-2021 Task 9: Reasoning over tables with intermediate pre-training</i>	
Thomas Müller, Julian Eisenschlos and Syrine Krichene	423
<i>BOUN at SemEval-2021 Task 9: Text Augmentation Techniques for Fact Verification in Tabular Data</i>	
Abdullatif Köksal, Yusuf Yüksel, Bekir Yıldırım and Arzucan Özgür	431
<i>IITK at SemEval-2021 Task 10: Source-Free Unsupervised Domain Adaptation using Class Prototypes</i>	
Harshit Kumar, Jinang Shah, Nidhi Hegde, Priyanshu Gupta, Vaibhav Jindal and Ashutosh Modi	438
<i>PTST-UoM at SemEval-2021 Task 10: Parsimonious Transfer for Sequence Tagging</i>	
Kemal Kurniawan, Lea Frermann, Philip Schulz and Trevor Cohn	445
<i>Self-Adapter at SemEval-2021 Task 10: Entropy-based Pseudo-Labeler for Source-free Domain Adaptation</i>	
Sangwon Yoon, Yanghoon Kim and Kyomin Jung	452
<i>The University of Arizona at SemEval-2021 Task 10: Applying Self-training, Active Learning and Data Augmentation to Source-free Domain Adaptation</i>	
Xin Su, Yiyun Zhao and Steven Bethard	458
<i>KnowGraph@IITK at SemEval-2021 Task 11: Building Knowledge Graph for NLP Research</i>	
Shashank Shailabh, Sajal Chaurasia and Ashutosh Modi	467
<i>YNU-HPCC at SemEval-2021 Task 11: Using a BERT Model to Extract Contributions from NLP Scholarly Articles</i>	
Xinge Ma, Jin Wang and Xuejie Zhang	478
<i>ITNLP at SemEval-2021 Task 11: Boosting BERT with Sampling and Adversarial Training for Knowledge Extraction</i>	
Genyu Zhang, Yu Su, Changhong He, Lei Lin, Chengjie Sun and Lili Shan	485

<i>Duluth at SemEval-2021 Task 11: Applying DeBERTa to Contributing Sentence Selection and Dependency Parsing for Entity Extraction</i>	
Anna Martin and Ted Pedersen	490
<i>INNOVATORS at SemEval-2021 Task-11: A Dependency Parsing and BERT-based model for Extracting Contribution Knowledge from Scientific Papers</i>	
Hardik Arora, Tirthankar Ghosal, Sandeep Kumar, Suraj Patwal and Phil Gooch	502
<i>MCL@IITK at SemEval-2021 Task 2: Multilingual and Cross-lingual Word-in-Context Disambiguation using Augmented Data, Signals, and Transformers</i>	
Rohan Gupta, Jay Mundra, Deepak Mahajan and Ashutosh Modi	511
<i>HITSZ-HLT at SemEval-2021 Task 5: Ensemble Sequence Labeling and Span Boundary Detection for Toxic Span Detection</i>	
Qinglin Zhu, Zijie Lin, Yice Zhang, Jingyi Sun, Xiang Li, Qihui Lin, Yixue Dang and Ruifeng Xu	521
<i>SarcasmDet at SemEval-2021 Task 7: Detect Humor and Offensive based on Demographic Factors using RoBERTa Pre-trained Model</i>	
Dalya Faraj and Malak Abdullah	527
<i>UPB at SemEval-2021 Task 8: Extracting Semantic Information on Measurements as Multi-Turn Question Answering</i>	
Andrei-Marius Avram, George-Eduard Zaharia, Dumitru-Clementin Cercel and Mihai Dascalu	534
<i>IITK@LCP at SemEval-2021 Task 1: Classification for Lexical Complexity Regression Task</i>	
Neil Shirude, Sagnik Mukherjee, Tushar Shandhilya, Ananta Mukherjee and Ashutosh Modi . .	541
<i>LCP-RIT at SemEval-2021 Task 1: Exploring Linguistic Features for Lexical Complexity Prediction</i>	
Abhinandan Tejalkumar Desai, Kai North, Marcos Zampieri and Christopher Homan	548
<i>Alejandro Mosquera at SemEval-2021 Task 1: Exploring Sentence and Word Features for Lexical Complexity Prediction</i>	
Alejandro Mosquera	554
<i>CompNA at SemEval-2021 Task 1: Prediction of lexical complexity analyzing heterogeneous features</i>	
Giuseppe Vettigli and Antonio Sorgente	560
<i>PolyU CBS-Comp at SemEval-2021 Task 1: Lexical Complexity Prediction (LCP)</i>	
Rong Xiang, Jinghang Gu, Emmanuele Chersoni, Wenjie Li, Qin Lu and Chu-Ren Huang	565
<i>LAST at SemEval-2021 Task 1: Improving Multi-Word Complexity Prediction Using Bigram Association Measures</i>	
Yves Bestgen	571
<i>DeepBlueAI at SemEval-2021 Task 1: Lexical Complexity Prediction with A Deep Ensemble Approach</i>	
Chunguang Pan, Bingyan Song, Shengguang Wang and Zhipeng Luo	578
<i>CS-UM6P at SemEval-2021 Task 1: A Deep Learning Model-based Pre-trained Transformer Encoder for Lexical Complexity</i>	
Nabil El Mamoun, Abdelkader El Mahdaouy, Abdellah El Mekki, Kabil Essefar and Ismail Berrada	585

<i>Cambridge at SemEval-2021 Task 1: An Ensemble of Feature-Based and Neural Models for Lexical Complexity Prediction</i>	
Zheng Yuan, Gladys Tyen and David Strohmaier	590
<i>hub at SemEval-2021 Task 1: Fusion of Sentence and Word Frequency to Predict Lexical Complexity</i>	
Bo Huang, Yang Bai and Xiaobing Zhou	598
<i>Manchester Metropolitan at SemEval-2021 Task 1: Convolutional Networks for Complex Word Identification</i>	
Robert Flynn and Matthew Shardlow	603
<i>UPB at SemEval-2021 Task 1: Combining Deep Learning and Hand-Crafted Features for Lexical Complexity Prediction</i>	
George-Eduard Zaharia, Dumitru-Clementin Cercel and Mihai Dascalu	609
<i>UTFPR at SemEval-2021 Task 1: Complexity Prediction by Combining BERT Vectors and Classic Features</i>	
Gustavo Henrique Paetzold	617
<i>RG PA at SemEval-2021 Task 1: A Contextual Attention-based Model with RoBERTa for Lexical Complexity Prediction</i>	
Gang Rao, Maochang Li, Xiaolong Hou, Lianxin Jiang, Yang Mo and Jianping Shen	623
<i>CSECU-DSG at SemEval-2021 Task 1: Fusion of Transformer Models for Lexical Complexity Prediction</i>	
Abdul Aziz, MD. Akram Hossain and Abu Nowshed Chy	627
<i>CLULEX at SemEval-2021 Task 1: A Simple System Goes a Long Way</i>	
Greta Smolenska, Peter Kolb, Sinan Tang, Mironas Bitinis, Héctor Hernández and Elin Asklöv	632
<i>RS_GV at SemEval-2021 Task 1: Sense Relative Lexical Complexity Prediction</i>	
Regina Stodden and Gayatri Venugopal	640
<i>UNBNLP at SemEval-2021 Task 1: Predicting lexical complexity with masked language models and character-level encoders</i>	
Milton King, Ali Hakimi Parizi, Samin Fakharian and Paul Cook	650
<i>ANDI at SemEval-2021 Task 1: Predicting complexity in context using distributional models, behavioural norms, and lexical resources</i>	
Armand Rotaru	655
<i>JUST-BLUE at SemEval-2021 Task 1: Predicting Lexical Complexity using BERT and RoBERTa Pre-trained Language Models</i>	
Tuqa Bani Yaseen, Qusai Ismail, Sarah Al-Omari, Eslam Al-Sobh and Malak Abdullah	661
<i>BigGreen at SemEval-2021 Task 1: Lexical Complexity Prediction with Assembly Models</i>	
Aadil Islam, Weicheng Ma and Soroush Vosoughi	667
<i>cs60075_team2 at SemEval-2021 Task 1 : Lexical Complexity Prediction using Transformer-based Language Models pre-trained on various text corpora</i>	
Abhilash Nandy, Sayantan Adak, Tanurima Halder and Sai Mahesh Pokala	678
<i>C3SL at SemEval-2021 Task 1: Predicting Lexical Complexity of Words in Specific Contexts with Sentence Embeddings</i>	
Raul Almeida, Hegler Tissot and Marcos Didonet Del Fabro	683

<i>Stanford MLab at SemEval-2021 Task 1: Tree-Based Modelling of Lexical Complexity using Word Embeddings</i>	
Erik Rozi, Niveditha Iyer, Gordon Chi, Enok Choe, Kathy J. Lee, Kevin Liu, Patrick Liu, Zander Lack, Jillian Tang and Ethan A. Chi	688
<i>archer at SemEval-2021 Task 1: Contextualising Lexical Complexity</i>	
Irene Russo	694
<i>katildakat at SemEval-2021 Task 1: Lexical Complexity Prediction of Single Words and Multi-Word Expressions in English</i>	
Katja Voskoboinik	700
<i>GX at SemEval-2021 Task 2: BERT with Lemma Information for MCL-WiC Task</i>	
Wanying Xie	706
<i>PALI at SemEval-2021 Task 2: Fine-Tune XLM-RoBERTa for Word in Context Disambiguation</i>	
Shuyi Xie, Jian Ma, Haiqin Yang, Lianxin Jiang, Yang Mo and Jianping Shen	713
<i>hub at SemEval-2021 Task 2: Word Meaning Similarity Prediction Model Based on RoBERTa and Word Frequency</i>	
Bo Huang, Yang Bai and Xiaobing Zhou	719
<i>Lotus at SemEval-2021 Task 2: Combination of BERT and Paraphrasing for English Word Sense Disambiguation</i>	
Niloofar Ranjbar and Hossein Zeinali	724
<i>Cambridge at SemEval-2021 Task 2: Neural WiC-Model with Data Augmentation and Exploration of Representation</i>	
Zheng Yuan and David Strohmaier	730
<i>UoB_UK at SemEval 2021 Task 2: Zero-Shot and Few-Shot Learning for Multi-lingual and Cross-lingual Word Sense Disambiguation.</i>	
Wei Li, Harish Tayyar Madabushi and Mark Lee	738
<i>PAW at SemEval-2021 Task 2: Multilingual and Cross-lingual Word-in-Context Disambiguation : Exploring Cross Lingual Transfer, Augmentations and Adversarial Training</i>	
Harsh Goyal, Aadarsh Singh and Priyanshu Kumar	743
<i>LU-BZU at SemEval-2021 Task 2: Word2Vec and Lemma2Vec performance in Arabic Word-in-Context disambiguation</i>	
Moustafa Al-Hajj and Mustafa Jarrar	748
<i>GlossReader at SemEval-2021 Task 2: Reading Definitions Improves Contextualized Word Embeddings</i>	
Maxim Rachinskiy and Nikolay Arefyev	756
<i>UAlberta at SemEval-2021 Task 2: Determining Sense Synonymy via Translations</i>	
Bradley Hauer, Hongchang Bao, Arnob Mallik and Grzegorz Kondrak	763
<i>TransWiC at SemEval-2021 Task 2: Transformer-based Multilingual and Cross-lingual Word-in-Context Disambiguation</i>	
Hansi Hettiarachchi and Tharindu Ranasinghe	771
<i>LIORI at SemEval-2021 Task 2: Span Prediction and Binary Classification approaches to Word-in-Context Disambiguation</i>	
Adis Davletov, Nikolay Arefyev, Denis Gordeev and Alexey Rey	780

<i>FII_CROSS at SemEval-2021 Task 2: Multilingual and Cross-lingual Word-in-Context Disambiguation</i> Ciprian Bodnar, Andrada Tapuc, Cosmin Pintilie, Daniela Gifu and Diana Trandabat	787
<i>XRJL-HKUST at SemEval-2021 Task 4: WordNet-Enhanced Dual Multi-head Co-Attention for Reading Comprehension of Abstract Meaning</i> Yuxin Jiang, Ziyi Shou, Qijun Wang, Hao Wu and Fangzhen Lin	793
<i>UoR at SemEval-2021 Task 4: Using Pre-trained BERT Token Embeddings for Question Answering of Abstract Meaning</i> Thanet Markchom and Huizhi Liang	799
<i>Noobs at Semeval-2021 Task 4: Masked Language Modeling for abstract answer prediction</i> Shikhar Shukla, Sarthak Sarthak and Karm Veer Arya	805
<i>ZJUKLAB at SemEval-2021 Task 4: Negative Augmentation with Language Model for Reading Comprehension of Abstract Meaning</i> Xin Xie, Xiangnan Chen, Xiang Chen, Yong Wang, Ningyu Zhang, Shumin Deng and Huajun Chen	810
<i>PINGAN Omini-Sinitic at SemEval-2021 Task 4: Reading Comprehension of Abstract Meaning</i> Ye Wang, Yanmeng Wang, Haijun Zhu, Bo Zeng, Zhenghong Hao, Shaojun Wang and Jing Xiao	820
<i>NEUer at SemEval-2021 Task 4: Complete Summary Representation by Filling Answers into Question for Matching Reading Comprehension</i> Zhixiang Chen, yikun lei, Pai Liu and Guibing Guo	827
<i>WLV-RIT at SemEval-2021 Task 5: A Neural Transformer Framework for Detecting Toxic Spans</i> Tharindu Ranasinghe, Diptanu Sarkar, Marcos Zampieri and Alexander Ororbia	833
<i>YNU-HPCC at SemEval-2021 Task 5: Using a Transformer-based Model with Auxiliary Information for Toxic Span Detection</i> Ruijun Chen, Jin Wang and Xuejie Zhang	841
<i>UIT-ISE-NLP at SemEval-2021 Task 5: Toxic Spans Detection with BiLSTM-CRF and ToxicBERT Comment Classification</i> Son T. Luu and Ngan Nguyen	846
<i>GHOST at SemEval-2021 Task 5: Is explanation all you need?</i> Kamil Pluciński and Hanna Klimczak	852
<i>GoldenWind at SemEval-2021 Task 5: Orthrus - An Ensemble Approach to Identify Toxicity</i> Marco Palomino, Dawid Grad and James Bedwell	860
<i>LISAC FSDM USMBA at SemEval-2021 Task 5: Tackling Toxic Spans Detection Challenge with Supervised SpanBERT-based Model and Unsupervised LIME-based Model</i> Abdessamad Benlahbib, Ahmed Alami and Hamza Alami	865
<i>HITMI&T at SemEval-2021 Task 5: Integrating Transformer and CRF for Toxic Spans Detection</i> Chenyi Wang, Tianshu Liu and Tiejun Zhao	870
<i>AStarTwice at SemEval-2021 Task 5: Toxic Span Detection Using RoBERTa-CRF, Domain Specific Pre-Training and Self-Training</i> Thakur Ashutosh Suman and Abhinav Jain	875

<i>NLP_UIOWA at Semeval-2021 Task 5: Transferring Toxic Sets to Tag Toxic Spans</i> Jonathan Rusert	881
<i>S-NLP at SemEval-2021 Task 5: An Analysis of Dual Networks for Sequence Tagging</i> Viet Anh Nguyen, Tam Minh Nguyen, Huy Quang Dao and Quang Huu Pham	888
<i>UAntwerp at SemEval-2021 Task 5: Spans are Spans, stacking a binary word level approach to toxic span detection</i> Ben Burtenshaw and Mike Kestemont	898
<i>hub at SemEval-2021 Task 5: Toxic Span Detection Based on Word-Level Classification</i> Bo Huang, Yang Bai and Xiaobing Zhou	904
<i>Sefamerve ARGE at SemEval-2021 Task 5: Toxic Spans Detection Using Segmentation Based 1-D Convolutional Neural Network Model</i> Selman Delil, Birol Kuyumcu and Cüneyt Aksakallı	909
<i>MIPT-NSU-UTMN at SemEval-2021 Task 5: Ensembling Learning with Pre-trained Language Models for Toxic Spans Detection</i> Mikhail Kotyushev, Anna Glazkova and Dmitry Morozov	913
<i>UIT-E10dot3 at SemEval-2021 Task 5: Toxic Spans Detection with Named Entity Recognition and Question-Answering Approaches</i> Phu Gia Hoang, Luan Thanh Nguyen and Kiet Nguyen	919
<i>SkoltechNLP at SemEval-2021 Task 5: Leveraging Sentence-level Pre-training for Toxic Span Detection</i> David Dale, Igor Markov, Varvara Logacheva, Olga Kozlova, Nikita Semenov and Alexander Panchenko	927
<i>Entity at SemEval-2021 Task 5: Weakly Supervised Token Labelling for Toxic Spans Detection</i> Vaibhav Jain and Mina Naghshnejad	935
<i>BennettNLP at SemEval-2021 Task 5: Toxic Spans Detection using Stacked Embedding Powered Toxic Entity Recognizer</i> Harsh Kataria, Ambuje Gupta and Vipul Mishra	941
<i>UoT-UWF-PartAI at SemEval-2021 Task 5: Self Attention Based Bi-GRU with Multi-Embedding Representation for Toxicity Highlighter</i> Hamed Babaei Giglou, Taher Rahgooy, Mostafa Rahgouy and Jafar Razmara	948
<i>YoungSheldon at SemEval-2021 Task 5: Fine-tuning Pre-trained Language Models for Toxic Spans Detection using Token classification Objective</i> Mayukh Sharma, Ilanthenral Kandasamy and W.B. Vasantha	953
<i>HLE-UPC at SemEval-2021 Task 5: Multi-Depth DistilBERT for Toxic Spans Detection</i> Rafel Palliser-Sans and Albert Rial-Farràs	960
<i>Lone Pine at SemEval-2021 Task 5: Fine-Grained Detection of Hate Speech Using BERToxic</i> Yakoob Khan, Weicheng Ma and Soroush Vosoughi	967
<i>SRPOL DIALOGUE SYSTEMS at SemEval-2021 Task 5: Automatic Generation of Training Data for Toxic Spans Detection</i> Michał Satława, Katarzyna Zamłyńska, Jarosław Piersa, Joanna Kolis, Klaudia Firląg, Katarzyna Beksa, Zuzanna Bordzicka, Christian Goltz, Paweł Bujnowski and Piotr Andruszkiewicz	974

<i>SINAI at SemEval-2021 Task 5: Combining Embeddings in a BiLSTM-CRF model for Toxic Spans Detection</i>	
Flor Miriam Plaza-del-Arco, Pilar López-Úbeda, L. Alfonso Ureña-López and M. Teresa Martín-Valdivia	984
<i>CSECU-DSG at SemEval-2021 Task 5: Leveraging Ensemble of Sequence Tagging Models for Toxic Spans Detection</i>	
Tashin Hossain, Jannatun Naim, Fareen Tasneem, Radiathun Tasnia and Abu Nowshed Chy . . .	990
<i>UTNLP at SemEval-2021 Task 5: A Comparative Analysis of Toxic Span Detection using Attention-based, Named Entity Recognition, and Ensemble Models</i>	
Alireza Salemi, Nazanin Sabri, Emad Kebriaei, Behnam Bahrak and Azadeh Shakery	995
<i>macech at SemEval-2021 Task 5: Toxic Spans Detection</i>	
Maggie Cech	1003
<i>LZ1904 at SemEval-2021 Task 5: Bi-LSTM-CRF for Toxic Span Detection using Pretrained Word Embedding</i>	
Liang Zou and Wen Li	1009
<i>LIIR at SemEval-2021 task 6: Detection of Persuasion Techniques In Texts and Images using CLIP features</i>	
Erfan Ghadery, Damien Sileo and Marie-Francine Moens	1015
<i>AIMH at SemEval-2021 Task 6: Multimodal Classification Using an Ensemble of Transformer Models</i>	
Nicola Messina, Fabrizio Falchi, Claudio Gennaro and Giuseppe Amato	1020
<i>HOMADOS at SemEval-2021 Task 6: Multi-Task Learning for Propaganda Detection</i>	
Konrad Kaczyński and Piotr Przybyła	1027
<i>1213Li at SemEval-2021 Task 6: Detection of Propaganda with Multi-modal Attention and Pre-trained Models</i>	
Peiguang Li, Xuan Li and Xian Sun	1032
<i>NLyticsFKIE at SemEval-2021 Task 6: Detection of Persuasion Techniques In Texts And Images</i>	
Albert Pritzkau	1037
<i>YNU-HPCC at SemEval-2021 Task 6: Combining ALBERT and Text-CNN for Persuasion Detection in Texts and Images</i>	
Xingyu Zhu, Jin Wang and Xuejie Zhang	1045
<i>LT3 at SemEval-2021 Task 6: Using Multi-Modal Compact Bilinear Pooling to Combine Visual and Textual Understanding in Memes</i>	
Pranaydeep Singh and Els Lefever	1051
<i>FPAI at SemEval-2021 Task 6: BERT-MRC for Propaganda Techniques Detection</i>	
Xiaolong Hou, Junsong Ren, Gang Rao, Lianxin Lian, Zhihao Ruan, Yang Mo and Jianping Shen	1056
<i>NLPITR at SemEval-2021 Task 6: RoBERTa Model with Data Augmentation for Persuasion Techniques Detection</i>	
Vansh Gupta and Raksha Sharma	1061

<i>LeCun at SemEval-2021 Task 6: Detecting Persuasion Techniques in Text Using Ensembled Pretrained Transformers and Data Augmentation</i>	
Dia Abujaber, Ahmed Qarqaz and Malak A. Abdullah	1068
<i>Volta at SemEval-2021 Task 6: Towards Detecting Persuasive Texts and Images using Textual and Multimodal Ensemble</i>	
Kshitij Gupta, Devansh Gautam and Radhika Mamidi	1075
<i>MinD at SemEval-2021 Task 6: Propaganda Detection using Transfer Learning and Multimodal Fusion</i>	
Junfeng Tian, Min Gui, Chenliang Li, Ming Yan and Wenming Xiao	1082
<i>CSECU-DSG at SemEval-2021 Task 6: Orchestrating Multimodal Neural Architectures for Identifying Persuasion Techniques in Texts and Images</i>	
Tashin Hossain, Jannatun Naim, Fareen Tasneem, Radiathun Tasnia and Abu Nowshed Chy	1088
<i>UMUTeam at SemEval-2021 Task 7: Detecting and Rating Humor and Offense with Linguistic Features and Word Embeddings</i>	
José Antonio García-Díaz and Rafael Valencia-García	1096
<i>ES-JUST at SemEval-2021 Task 7: Detecting and Rating Humor and Offensive Text Using Deep Learning</i>	
Emran Al Bashabsheh and Sanaa Abu Alasal	1102
<i>Tsia at SemEval-2021 Task 7: Detecting and Rating Humor and Offense</i>	
Zhengyi Guan and Xiaobing ZXB Zhou	1108
<i>DLJUST at SemEval-2021 Task 7: Hahackathon: Linking Humor and Offense</i>	
Hani Al-Omari, Isra'a AbedulNabi and Rehab Duwairi	1114
<i>Gulu at SemEval-2021 Task 7: Detecting and Rating Humor and Offense</i>	
Maoqin Yang	1120
<i>DUTH at SemEval-2021 Task 7: Is Conventional Machine Learning for Humorous and Offensive Tasks enough in 2021?</i>	
Alexandros Karasakalidis, Dimitrios Effrosynidis and Avi Arampatzis	1125
<i>DeepBlueAI at SemEval-2021 Task 7: Detecting and Rating Humor and Offense with Stacking Diverse Language Model-Based Methods</i>	
Bingyan Song, Chunguang Pan, Shengguang Wang and Zhipeng Luo	1130
<i>CS-UM6P at SemEval-2021 Task 7: Deep Multi-Task Learning Model for Detecting and Rating Humor and Offense</i>	
Kabil Essefar, Abdellah El Mekki, Abdelkader El Mahdaouy, Nabil El Mamoun and Ismail Berrada	1135
<i>hub at SemEval-2021 Task 7: Fusion of ALBERT and Word Frequency Information Detecting and Rating Humor and Offense</i>	
Bo Huang and Yang Bai	1141
<i>YoungSheldon at SemEval-2021 Task 7: Fine-tuning Is All You Need</i>	
Mayukh Sharma, Ilanthenral Kandasamy and W.B. Vasantha	1146
<i>MagicPai at SemEval-2021 Task 7: Method for Detecting and Rating Humor Based on Multi-Task Adversarial Training</i>	
Jian Ma, Shuyi Xie, Haiqin Yang, Lianxin Jiang, Mengyuan Zhou, Xiaoyi Ruan and Yang Mo	1153

<i>UPB at SemEval-2021 Task 7: Adversarial Multi-Task Learning for Detecting and Rating Humor and Offense</i>	
Răzvan-Alexandru Smădu, Dumitru-Clementin Cercel and Mihai Dascalu	1160
<i>Team_KGP at SemEval-2021 Task 7: A Deep Neural System to Detect Humor and Offense with Their Ratings in the Text Data</i>	
Anik Mondal and Raksha Sharma	1169
<i>ZYJ at SemEval-2021 Task 7: HaHackathon: Detecting and Rating Humor and Offense with ALBERT-Based Model</i>	
Yingjia Zhao and Xin Tao	1175
<i>UoR at SemEval-2021 Task 7: Utilizing Pre-trained DistilBERT Model and Multi-scale CNN for Humor Detection</i>	
Zehao Liu, Carl Haines and Huizhi Liang	1179
<i>TECHSSN at SemEval-2021 Task 7: Humor and Offense detection and classification using ColBERT embeddings</i>	
Rajalakshmi Sivanaiah, Angel Deborah S, S Milton Rajendram, Mirmalinee TT, Abrit Pal Singh, Aviansh Gupta and Ayush Nanda	1185
<i>Amherst685 at SemEval-2021 Task 7: Joint Modeling of Classification and Regression for Humor and Offense</i>	
Brian Zylich, Akshay Gugnani, Gabriel Brookman and Nicholas Samoray	1190
<i>DuluthNLP at SemEval-2021 Task 7: Fine-Tuning RoBERTa Model for Humor Detection and Offense Rating</i>	
Samuel Akrah	1196
<i>CSECU-DSG at SemEval-2021 Task 7: Detecting and Rating Humor and Offense Employing Transformers</i>	
Afrin Sultana, Nabila Ayman and Abu Nowshed Chy	1204
<i>RedwoodNLP at SemEval-2021 Task 7: Ensembled Pretrained and Lightweight Models for Humor Detection</i>	
Nathan Chi and Ryan Chi	1209
<i>EndTimes at SemEval-2021 Task 7: Detecting and Rating Humor and Offense with BERT and Ensembles</i>	
Chandan Kumar Pandey, Chirag Singh and Karan Mangla	1215
<i>IITH at SemEval-2021 Task 7: Leveraging transformer-based humourous and offensive text detection architectures using lexical and hurtlex features and task adaptive pretraining</i>	
Tathagata Raha, Ishan Sanjeev Upadhyay, Radhika Mamidi and Vasudeva Varma	1221
<i>FII FUNNY at SemEval-2021 Task 7: HaHackathon: Detecting and rating Humor and Offense</i>	
Mihai Samson and Daniela Gifu	1226
<i>Counts@IITK at SemEval-2021 Task 8: SciBERT Based Entity And Semantic Relation Extraction For Scientific Data</i>	
Akash Gangwar, Sabhay Jain, Shubham Sourav and Ashutosh Modi	1232
<i>CONNER: A Cascade Count and Measurement Extraction Tool for Scientific Discourse</i>	
Jiarun Cao, Yuejia Xiang, Yunyan Zhang, Zhiyuan Qi, Xi Chen and Yefeng Zheng	1239

<i>Stanford MLab at SemEval-2021 Task 8: 48 Hours Is All You Need</i>	
Patrick Liu, Niveditha Iyer, Erik Rozi and Ethan A. Chi	1245
<i>LIORI at SemEval-2021 Task 8: Ask Transformer for measurements</i>	
Adis Davletov, Denis Gordeev, Nikolay Arefyev and Emil Davletov	1249
<i>Sattiy at SemEval-2021 Task 9: An Ensemble Solution for Statement Verification and Evidence Finding with Tables</i>	
Xiaoyi Ruan, Meizhi Jin, Jian Ma, Haiqin Yang, Lianxin Jiang, Yang Mo and Mengyuan Zhou	1255
<i>Volta at SemEval-2021 Task 9: Statement Verification and Evidence Finding with Tables using TAPAS and Transfer Learning</i>	
Devansh Gautam, Kshitij Gupta and Manish Shrivastava	1262
<i>KaushikAcharya at SemEval-2021 Task 9: Candidate Generation for Fact Verification over Tables</i>	
Kaushik Acharya	1271
<i>AttesTable at SemEval-2021 Task 9: Extending Statement Verification with Tables for Unknown Class, and Semantic Evidence Finding</i>	
Harshit Varma, Aadish Jain, Pratik Ratadiya and Abhishek Rathi	1276
<i>MedAI at SemEval-2021 Task 10: Negation-aware Pre-training for Source-free Negation Detection Domain Adaptation</i>	
Jinquan Sun, Qi Zhang, Yu Wang and Lei Zhang	1283
<i>YNU-HPCC at SemEval-2021 Task 10: Using a Transformer-based Source-Free Domain Adaptation Model for Semantic Processing</i>	
Zhewen Yu, Jin Wang and Xuejie Zhang	1289
<i>ECNUICA at SemEval-2021 Task 11: Rule based Information Extraction Pipeline</i>	
Jiaju Lin, Jing Ling, Zhiwei Wang, Jiawei Liu, Qin Chen and Liang He	1295
<i>UOR at SemEval-2021 Task 12: On Crowd Annotations; Learning with Disagreements to optimise crowd truth</i>	
Emmanuel Osei-Brefo, Thanet Markchom and Huizhi Liang	1303