

ISCOL 2022 – Posters

Session 1:

Poster #	Title	Authors
1	TRUE: Re-evaluating Factual Consistency Evaluation	Or Honovich, Roei Aharoni, Jonathan Herzig, Hagai Taitelbaum, Doron Kukliansy, Vered Cohen, Thomas Scialom, Idan Szpektor, Avinatan Hassidim, Yossi Matias
2	Measuring Linguistic Synchrony in Psychotherapy Sessions	Natalie Shapira, Dana Atzil-Slonim, Rivka Tuval Mashiach, Ori Shapira
4	Inferring Implicit Relations in Complex Questions with Language Models	Uri Katz, Mor Geva, Jonathan Berant
5	Automating Medical Simulations	Sapir Gershov, Aeyal Raz, Shlomi Laufer
6	Transformer Feed-Forward Layers Build Predictions by Promoting Concepts in the Vocabulary Space	Mor Geva, Avi Caciularu, Kevin Ro Wang, Yoav Goldberg
7	A Large-Scale Multilingual Study of Visual Constraints on Linguistic Selection of Descriptions	Uri Berger, Lea Frermann, Gabriel Stanovsky, Omri Abend
8	DoCoGen: Domain Counterfactual Generation for Low Resource Domain Adaptation	Nitay Calderon, Eyal Ben-David, Amir Feder, Roi Reichart
9	Example-based Hypernetworks for Out-of-Distribution Generalization	Tomer Volk, Eyal Ben-David, Ohad Amosy, Gal Chechik, Roi Reichart
10	Where to start? Analyzing the potential value of intermediate models	Leshem Choshen, elad Venezian, Shachar Don-Yehia, Noam Slonim, Yoav Katz
11	Unsupervised Compression and Abstraction in Graph Based Meaning Representation	Bar Tamir, Gabriel Stanovsky
12	WinoGAViL: Gamified Association Benchmark to Challenge Vision-and-Language Models	Yonatan Bitton, Nitzan Bitton Guetta, Ron Yosef, Yuval Elovici, Mohit Bansal, Gabriel Stanovsky, Roy Schwartz
13	Bridging the Gap: Recovering Elided VPs in Coordination Structures	Royi Rassin, Reut Tsarfaty, Yoav Goldberg
14	How "Multi" is Multi-Document Summarization?	Ruben Wolhandler, Arie Cattan, Ori Ernst, Ido Dagan
15	LingMess: Linguistically Informed Multi Expert Scorers for Coreference Resolution	Shon Otmazgin, Arie Cattan, Yoav Goldberg

16	Standing on the Shoulders of Giant Frozen Language Models	Yoav Levine, Ori Ram, Itay Dalmedigos, Yoel Zeldes, Daniel Jannai, Dor Muhlgay, Yoni Osin, Opher Lieber, Barak Lenz, Shai Shalev-Shwartz, Amnon Shashua, Kevin Leyton-Brown, Yoav Shoham
17	All You May Need for VQA are Image Captions	Soravit Changpinyo, Doron Kukliansy, Idan Szpektor, Xi Chen, Nan Ding, Radu Soricut
18	Benchmark Data and Evaluation Framework for Intent Discovery Around COVID-19 Vaccine Hesitancy	Shai Gretz, Assaf Toledo, Roni Friedman, Dan Lahav, Rose Weeks, Naor Bar-Zeev, João Sedoc, Pooja Sangha, Yoav Katz, Noam Slonim
19	ViraTrustData: A Trust-Annotated Corpus of Human-Chatbot Conversations About COVID-19 Vaccines	Roni Friedman, João Sedoc, Shai Gretz, Assaf Toledo, Rose Weeks, Naor Bar-Zeev, Yoav Katz, Noam Slonim
20	How Much Does Attention Actually Attend? Questioning the Importance of Attention in Pretrained Transformers	Michael Hassid, Hao Peng, Daniel Rotem, Jungo Kasai, Ivan Montero, Noah Smith, Roy Schwartz
21	Linear Guardedness and its Implications	Shauli Ravfogel, Yoav Goldberg, Ryan Cotterell
22	HebSafeHarbor: De-identification toolkit for unstructured clinical text in Hebrew	Shahar Admati, Tal Baumel
23	Machine Learning and Hebrew NLP for Automated Assessment of Open-Ended Questions in Biology	Tanya Nazaretsky, Moriah Ariely, Giora Alexandron
24	Annotation Scheme for Aggregated Argumentation in Online Educational Forums	Noa Brandel, Royi Lachmy, Noa Yomtovyan, Reut Tsarfaty, Baruch Schwarz
25	Learning to Parallelize in a Shared-Memory Environment with Transformers	Re'em Harel, Yuval Pinter, Gal Oren
26	A Dataset for N-ary Relation Extraction of Drug Combinations	Aryeh Tiktinsky, Vijay Viswanathan, Danna Niezni, Dana Meron Azagury, Yosi Shamay, Hillel Taub-Tabib, Tom Hope, Yoav Goldberg
27	Unobserved Local Structures Make Compositional Generalization Hard	Ben Bogin, Shivanshu Gupta, Jonathan Berant
28	On the Robustness of Dialogue History Representation in Conversational Question Answering: A Comprehensive Study and a New Prompt-based Method	Zorik Gekhman, Nadav Oved, Orgad Keller, Idan Szpektor, Roi Reichart
29	Text-based NP Enrichment	Yanai Elazar, Victoria Basmov, Yoav Goldberg, Reut Tsarfaty
30	Neural Segmentation for Highly Ambiguous Tokens in Morphologically Rich Languages	Idan Brusilovsky, Reut Tsarfaty
31	Weakly Supervised Text-to-SQL Parsing through Question Decomposition	Tomer Wolfson, Daniel Deutch, Jonathan Berant

32	CEBaB: Estimating the Causal Effects of Real-World Concepts on NLP Model Behavior	Eldar David Abraham, Karel D'Oosterlinck, Amir Feder, Yair Ori Gat, Atticus Geiger, Christopher Potts, Roi Reichart, Zhengxuan Wu
33	So, how do you recognize filler words in context?	Noga Gshur, Raphael Cohen
34	Text and Location: A Novel Dataset for Hebrew Geo-Location (HeGeL)	Tzuf Paz-Argaman, Reut Tsarfaty
35	Word embedding dimensionality reduction using dynamic variance thresholding (DyVaT)	Avraham Treistman, Dror Mughaz, Ariel Stulman, Amit Dvir
36	Comparing Humans and Models on a Similar Scale: Towards Cognitive Gender Bias Evaluation in Coreference Resolution	Gili Lior, Gabriel Stanovsky
37	Style transfer and classification in Hebrew news items	Nir Zvi Weingarten
38	Masking Morphosyntactic Categories to Evaluate Saliency for Schizophrenia Diagnosis	Yaara Shriki, Ido Ziv, Nachum Dershowitz, Eiran Vadim Harel, Kfir Bar
39	Structural Inductive Bias for Persuasive Argumentation	Zachary Elisha Bamberger, Noam Ben Moshe, Chaim Baskin, Yonatan Belinkov
40	QAMPARI: A Benchmark for Open-domain Questions with Many Answers	Samuel Joseph Amouyal, Ohad Rubin, Ori Yoran, Tomer Wolfson, Jonathan Herzig, Jonathan Berant
41	Aspect Driven Items Recommendation for E-commerce	Leon Pesahov, Moshe Mazuz, Yael Firer, Adam Fox
42	Proposition-Level Clustering for Multi-Document Summarization	Ori Ernst, Avi Caciularu, Ori Shapira, Ramakanth Pasunuru, Mohit Bansal, Jacob Goldberger, Ido Dagan
43	Exploration of the Usage of Color Terms by Color-blind Participants in Online Discussion Platforms	Ella Rabinovich, Boaz Carmeli
44	Demo - Label Sleuth: From Unlabeled Text to a Classifier in a Few Hours	Eyal Shnarch, Alon Halfon, Ariel Gera, Marina Danilevsky, Yannis Katsis, Leshem Choshen, Martín Santillán Cooper, Dina Epelboim, Zheng Zhang, Dakuo Wang, Lucy Yip, Liat Ein-Dor, Lena Dankin, Ilya Shnayderman, Ranit Aharonov, Yunyao Li, Naftali Liberman, Philip Levin Slesarev, Gwilym Newton, Shila Ofek-Koifman, Noam Slonim, Yoav Katz
45	Two Different Words Spelled the Same get Two, "On-The-Shelf", Different Vectors	Dror Mughaz, Naor Maman, Zuf Newfield
46	Social World Knowledge: Modeling and Applications	Nir Lotan, Einat Minkov
47	Do pretrained contextual language models distinguish between hebrew homograph analyses?	Avi Shmidman, Cheyn Shmuel Shmidman, Dan Bareket, Moshe Koppel, Reut Tsarfaty
48	Large Pre-Trained Models with Extra-Large Vocabularies: A contrastive analysis of Hebrew	Eylon Gueta, Avi Shmidman, Shaltiel Shmidman, Cheyn Shmuel Shmidman,

	BERT Models and a New One to Outperform Them All	Joshua Guedalia, Moshe Koppel, Dan Bareket, Amit Seker and Reut Tsarfaty
49	Demo - Every Substitution Matters: An Automatic Reading Fluency Evaluation of Children's Read Aloud Practice	Jacob Bitterman, Hallel Schussheim, Eliya Segev, Lior Kovalio, Ayana Shenhav, David Zar, Maya Alroy, Oren Tadmor, Guy Netser Eyal, Tal Rosenwein

Session 2

Poster #	Title	Authors
50	Large Scale Substitution-based Word Sense Induction	Matan Eyal, Shoval Sadde, Hillel Taub-Tabib, Yoav Goldberg
51	Evaluating and Improving the Coreference Capabilities of Machine Translation	Asaf Yehudai, Arie Cattan, Omri Abend, Gabriel Stanovsky
52	ISO-based Annotated Multilingual Parallel Corpus for Discourse Markers	Chaya Liebeskind, Purificação Silvano, Mariana Damova, Giedrė Valūnaitė Oleškevičienė, Christian Chiacros, Dimitar Trajanov, Ciprian Octavian Truică, Elena Simona Apostol, Anna Bączkowska
53	Instruction Induction: From Few Examples to Natural Language Task Descriptions	Or Honovich, Uri Shaham, Samuel R. Bowman, Omer Levy
54	Similarity-based regularization for mitigating artifacts	Reda Igbaria, Yonatan Belinkov
55	Training Vision-Language Models with Less Bimodal Supervision	Elad Segal, Ben Bogin, Jonathan Berant
56	Interactive Query-Assisted Summarization via Deep Reinforcement Learning	Ori Shapira, Ramakanth Pasunuru, Mohit Bansal, Ido Dagan, Yael Amsterdamer
57	Detecting Underlying Motivations in Texts using NLP	Kinneret Misgav, Yoav Nagel, Royi Lachmy, Reut Tsarfaty, Ella Daniel
58	Using Cross-Lingual Part of Speech Tagging for Partially Reconstructing the Classic Language Family Tree Model	Anat Samohi, Daniel Weisberg Mitelman, Kfir Bar
59	Fewer Errors, but More Stereotypes? The Effect of Model Size on Gender Bias	Yarden Tal, Inbal Magar, Roy Schwartz
60	Gaining Insights into Unrecognized User Utterances in Task-Oriented Dialog Systems	Ella Rabinovich, Matan Vetzler, David Boaz, Vineet Kumar, Gaurav Pandey, Ateret Anaby Tavor
61	Diagonal State Spaces are as Effective as Structured State Spaces	Ankit Gupta, Albert Gu, Jonathan Berant
62	Analyzing Transformers in Embedding Space	Guy Dar, Mor Geva, Ankit Gupta, Jonathan Berant

63	Bring Back Memories: The Internal Retrieval Process of Memorized Instances in Transformers	Adi Haviv, Ido Cohen, Jacob Uriel Gidron, Roei Schuster, Yoav Goldberg, Mor Geva
64	Efficient Long-Text Understanding with Short-Text Models	Maor Ivgi, Uri Shaham, Jonathan Berant
65	I Am Not Your Oracle: Towards Due Process as a Ground for Natural Language Processing	Dan Bareket, Reut Tsarfaty
66	What's Your Angle? Global Structural Embeddings for Conversational Discourse Parsing	Guy Barel, Oren Tsur, Dan Vilenchik
67	Semantic Classifiers for Improving Text Generation - Tech Report	Veronica Latcinnik, Omri Keren
68	MenakBERT – A Neural Hebrew Diacriticizer	Ido Cohen, Jacob Uriel Gidron, Idan Pinto
69	Analysis of the linguistic richness of the members of the Knesset	Dror Mughaz, Renana Yehuda, Efraim Margalit
70	Introducing BEREL: BERT Embeddings for Rabbinic-Encoded Language	Avi Shmidman, Joshua Guedalia, Shaltiel Shmidman, Cheyn Shmuel Shmidman, Eli Handel, Moshe Koppel
71	Extending Multi-Text Sentence Fusion Resources via Pyramid Annotations	Daniela Brook Weiss, Paul Roit, Ori Ernst, Ido Dagan
72	Fortunately, Discourse Markers Can Enhance Language Models for Sentiment Analysis	Liat Ein-Dor, Ilya Shnayderman, Artem Spector, Lena Dankin, Ranit Aharonov, Noam Slonim
73	QASem Parsing: Text-to-text Modeling of QA-based Semantics	Ayal Klein, Eran Hirsch, Ron Eliav, Valentina Pyatkin, Avi Caciularu, Ido Dagan
74	Complex Text2Code: Generating Code From Complex Natural Language Descriptions	Asaf Achi Mordechai, Yoav Goldberg, Reut Tsarfaty
75	SAGE: a Subword Tokenizer with a Context Objective	Shaked Yehezkel, Yuval Pinter
76	Hebrew Mention Detection	Refael Shaked Greenfeld, Dan Bareket, Reut Tsarfaty
77	Neural Dependency Parsing for Hebrew	Danit Yshaayahu, Reut Tsarfaty
78	UI-Tests-To-Code	Amir Ben ami, reut tsarfaty, tamar gur
79	ContraSim – Contrastive Learning-Based Similarity Measure	Adir Rahamim, Yonatan Belinkov
80	Fight Fire with Fire: Fine-tuning Hate Detectors using Large Samples of Generated Hate Speech	Tomer Wullach, Amir Adler, Einat Minkov
81	Quality Controlled Paraphrase Generation	Elron Bandel, Ranit Aharonov, Michal Shmueli-Scheuer, Ilya Shnayderman, Noam Slonim, Liat Ein-Dor
82	Towards Better Multilingual Modeling: You Can Have Your Data and Balance It Too	Dan Malkin, Tomasz Limisiewicz, Gabriel Stanovsky
83	Abstraction Parsing: Mapping Executable Instructions in Natural Language to Formal Constructs	Shira Kritchman, Royi Lachmy, Avshalom Manevich, Valentina Pyatkin, Reut Tsarfaty

84	LMentry: a Benchmark of Trivial Tasks for Evaluating Large Language Models	Avia Efrat, Or Honovich, Omer Levy
85	Evaluation Metrics for Grounded Abstraction	Avshalom Manevich, Reut Tsarfaty
86	Translating Akkadian to English with Neural Machine Translation	Gai Guthertz, Shai Gordin, Luis Sáenz, Omer Levy, Jonathan Berant
87	Deciphering microbial gene function using natural language processing	Danielle Miller, Adi Stern, David Burstein
88	Think Inside the Box: Finding Challenge Sets Within Existing Datasets	Yuval Reif, Roy Schwartz
89	Anchors for Lexical Semantic Shift Analysis	Peter Kogan, Yuval Pinter
90	NoisyGPT: How noise injection can make deep learning models stochastic, efficient and high quality	Shachar Katz, Yonatan Belinkov
91	From Hateful Posts to Hate-mongering User - Threshold-Based Methods for User-Level Hate Speech Detection	Tom Marzea, Eyal Arviv, Oren Tsur
92	Aramaic Targums Corpus with Parallel Morphology Annotations	Yanir Marmor, Josef Glanz
93	Demo - From LLMs to a Classroom Assistive Device: When the Whole is Greater than the Sum of its Parts	Maya Alroy, Shahar Aizenbud, Dan Malkin, Michal Kessler, Sam Rosenbaum, Lior Shimon, Jonathan Karp, Oren Tadmor, Guy Netser Eyal, Tal Rosenwein
94	Demo - Ask.AI	Alon Talmor
95	Semantic and Morphological Affinities in The Embedding Space	Tal Levy, Omer Goldman, Reut Tsarfaty
96	Detection of Vaccine Hesitancy in Hebrew Twitter	Omer Neu, Oren Tsur
97	Enhancing Pre-Trained Models For Morphological-Rich Languages	Eylon Gueta, Reut Tsarfaty
98	Automatic Assessment of Coherence in Texts	Aviya Maimon, Reut Tsarfaty