

Special Track: Semantic Methods in natural language processing

Topics include, but not limited to:

- NLP-based ontology and knowledge induction
- Use of semantic networks and ontologies in NLP or information retrieval
- Integration of knowledge into machine learning methods for NLP
- NLP oriented predicate logic
- Semantic-based parsing strategies
- Semantic lexicons
- Discourse representation theory
- Connectionist models of logical and linguistic structures,
- Semantic methods for machine translation,
- Text reuse identification
- Term clustering
- Computational semantics
- Semantic-based authorship and genre prediction
- Semantic-based evaluation for gold standard reference corpora

SemaNLP 2020

**Special Track
SemaPro 2020**

Organizers:

- Claudia Lanza, PhD student and research associate at University of Calabria, Italy | PhD visiting student at Université de Nantes, France c.lanza@dimes.unical.it
- Dr. Tim vor der Brück, Lecturer at FFHS (Swiss Distance University of Applied Sciences) | Senior researcher at HSLU (Lucerne University of Applied Sciences and Arts) tim.vorderbrueck@hslu.ch

SemaNLP 2020

**Special Track
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This special track takes place the second time after 2019.

Selected papers 2019: 2

Selected papers 2020: 4

Participants from Switzerland, Germany, Japan, Russia

Paper topics: Link Prediction, Word Sense Disambiguation, Textual Entailment, Reasoning, Semantic Similarity, Text Classification

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Rie Yatabe Word Sense Disambiguation Using Graph-based Semi-supervised Learning 19nm732r@vc.ibaraki.ac.jp

Zein Shaheen Large-scale legal text classification using transformer models shaheen@itmo.ru

Helmut Horacek Towards Using Logical Reasoning for Assessing the Structure and State of a Natural Debate helmut.horacek@dfki.de

Tim vor der Brück Employing Bert Embeddings for Customer Segmentation and Translation Matching tim.vorderbrueck@hslu.ch

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Next Year? SemaNLP 2021 ?

Contact us if you are interesting to organize or co-organize it next year

Oct 3-7, Barcelona, Spain

tim.vorderbrueck@hslu.ch

c.lanza@dimes.unical.it