

Augmenting Intelligence with Humans-in-the-Loop (HumL@WWW2018) Chairs' Welcome

It is our great pleasure to welcome you to the *WWW 2018 Augmenting Intelligence with Humans-in-the-loop (HumL@WWW2018)*, <http://w3id.org/huml/HumL-WWW2018/>

The workshop program includes two invited talks. Praveen Paritosh (Google Research) explores the right incentives to motivate human contribution to create knowledge resources. Elena Simperl (University of Southampton) surveys how humans and bots contribute together to the development of the Wikidata knowledge graph.

Seven full papers and one short paper were accepted, covering a wide range of topics related to the efficient and effective combination of the strong sides of both machine and crowd computation. Empirical results were provided and discussed with respect to (1) methods for data quality ensurance and labeling task efficiency, (2) the role of gamification elements for improving crowd performance as well as the role of quantum mathematics to simulate human behavior.

The morning session includes, the following talks:

- The missing science of knowledge curation (Or, Improving incentives for large-scale knowledge curation). **Invited talk** by Praveen Paritosh
- CrowdED: Guideline for optimal Crowdsourcing Experimental Design. Zaveri et al.
- WITH: Human-computer collaboration for data annotation and enrichment. Chortaras et al.
- A Gamified Approach to Naïve Bayes Classification: A Case Study for Newswires and Systematic Medical Reviews. Di Nunzio et al.
- Computational Creative Advertisements. Sun et al.
- Exploring the efficiency of batch active learning for human-in-the-loop relation extraction. Lourentzou et al.

The afternoon session includes, the following talks:

- Loops of humans and bots in Wikidata. **Invited talk** by Elena Simperl
- The Quantum Collective. Aroyo et al.
- How to support human operator in uncertainty managing during the ontology learning process. Enea et al.
- Outlier Detection vs. Control Questions to ensure reliable results in Crowdsourcing. A Speech Quality Assessment Case Study. Zequeira et al.

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Augmenting Intelligence with Humans-in-the-Loop (HumL@WWW2018) Organization

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