

Preface

This volume contains the papers of evaluation tasks presented at the China Conference on Knowledge Graph and Semantic Computing (CCKS'2017).

CCKS'2017 is the premier forum on Knowledge Graph and Semantic Technologies for Chinese researchers and practitioners from academia, industry, and government. It covers wider fields including the Knowledge Graph, the Semantic Web, Linked Data, NLP, knowledge representation, graph databases etc. CCKS is organized by the Technical Committee on Language and Knowledge Computing of CIPS (Chinese Information Processing Society of China).

CCKS'2017 has hosted two evaluation tasks: (1) *Question Entity Discovery and Linking*. Given a set of questions in natural language, it is required to identify domain related mentions in the questions, and link the identified mentions to entities in a given knowledge base. (2) *Clinical Named Entity Recognition*. Given a set of digital medical records in plain text, this task is to recognize entity mentions in medical domain, and classify them into pre-defined categories, such as disease, symptom, etc.

The two evaluation tasks have involved many participants coming from universities, companies and research institutes. In detail, *Question Entity Discovery and Linking* task has involved 50 participants, and 16 of them submitted their final results. *Clinical Named Entity Recognition* task has involved 66 participants, and 28 of them submitted final results. We invited all the participants to submit a research paper describing their methods and we received 19 submissions. Each of the submissions went through a thorough peer review process, and 11 papers were accepted for the presentation at the CCKS2017 evaluation session and poster session, which are included within these proceedings.

Finally, we would like to thank all the authors of submitted papers and the Program Committee members for their commitment.

October 2017

Yanghua Xiao
Zhichun Wang

Program Committee

- Wanyun Cui, Shanghai University of Finance and Economics
- Lei Ji, Microsoft
- Jiaqing Liang, Fudan University
- Zhixu Li, Soochow University
- Zhichun Wang, Beijing Normal University
- Yanghua Xiao, Fudan University
- Bo Xu, Fudan University
- Xiaqing Zheng, Fudan University
- Jiangtao Zhang, Tsinghua University
- Kenny Zhu, Shanghai Jiao Tong University