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Second Workshop on Pattern-based Approaches to NLP in the Age of Deep Learning

PROGRAM

Wednesday, December 6, 2023

9:00–9:15   *Introduction*

9:15–10:30   *Panel*

10:30–10:45 *Coffee Break*

10:45–12:00   *Keynote*
Yunyao Li, Director of Machine Learning, Adobe Experience Platform

12:00–13:00 *Lunch*

13:00–14:15 Session One

13:00–13:15   *Nearest Neighbor Search over Vectorized Lexico-Syntactic Patterns for Relation Extraction from Financial Documents*
Pawan Rajpoot and Ankur Parikh

13:15–13:30   *LEAF: Linguistically Enhanced Event Temporal Relation Framework*
Stanley Lim, Da Yin and Nanyun Peng

13:30–13:45   *A Graph-Guided Reasoning Approach for Open-ended Commonsense Question Answering*
Zhen Han, Yue Feng and Mingming Sun

13:45–14:00   *Generating Irish Text with a Flexible Plug-and-Play Architecture*
Simon Mille, Elaine Uí Dhonnchadha, Lauren Cassidy, Brian Davis, Stamatia Dasiopoulou and Anya Belz

14:00–14:15   *Findings Talk - A Lightweight Method to Generate Unanswerable Questions in English*
Vagrant Gautam

2:15   PM–2:25 PM Short Break

14:25–15:30 Session 2

14:25–14:40   *Symbolic Planning and Code Generation for Grounded Dialogue*
Justin Chiu, Wenting Zhao, Derek Chen, Saujas Vaduguru, Alexander Rush and Daniel Fried

14:40–14:55   *Towards Zero-Shot Frame Semantic Parsing with Task Agnostic Ontologies and Simple Labels*
Danilo Neves Ribeiro, Jack Goetz, Omid Abdar, Mike Ross, Annie Dong, Kenneth

Forbus and Ahmed Mohamed

14:55–15:10   *Co-evolving data-driven and NLU-driven Synthesizers for Generating Code in Domain Growth and Data Scarcity*
Jiasheng Gu, Zifan Nan, Zhiyuan Peng, Xipeng Shen and Dongkuan Xu

15:10–15:25   *Findings Talk - What Makes Chain-of-Thought Prompting Effective? A Counterfactual Study*
Aman Maadan

15:30–15:45   *Coffee Break*

15:45–17:00 Session Three

15:45–16:00   *Complementary Roles of Inference and Language Models in QA*
Liang Cheng, Mohammad Javad Hosseini and Mark Steedman

16:00–16:15   *Controlled Data Augmentation for Training Task-Oriented Dialog Systems with Low Resource Data*
Sebastian Steindl, Ulrich Schäfer and Bernd Ludwig

16:15–16:30   *A Hybrid of Rule-based and Transformer-based Approaches for Relation Extraction in Biodiversity Literature*
Roselyn Gabud, Portia Lapitan, Vladimir Mariano, Eduardo Mendoza, Nelson Pampolina, Maria Art Antonette Clariño and Riza Batista-Navarro

16:30–16:45   *Findings Talk - Solving the Right Problem is Key for Translational NLP*
Bernal Jimenez Gutierrez

16:45–17:00   *Findings Talk - TR-Rules: Rule-based Model for Link Forecasting on Temporal Knowledge Graph Considering Temporal Redundancy*
Ningyuan Li

17:00–17:10   *Short Break*

17:10–17:40 Session Four

17:10–17:25   *Findings Talk - BanLemma: A Word Formation Dependent Rule and Dictionary Based Bangla Lemmatizer*
Sadia Afrin

17:25–17:40   *Findings Talk - Evaluating Emotion Arcs Across Languages: Bridging the Global Divide in Emotion Research*
Daniela Teodorescu

17:40–18:00   *Closing*