



The 4th Financial Narrative Processing Workshop (FNP 2022)

Workshop Program

Friday 24 June 2022

9:00–9:15 **Opening and Welcome:** [Dr Mahmoud El-Haj](#)

9:15–10:00 *Keynote Speaker:* [Dr Bayan Abu Shawar](#)

10:00–13:30 **Session 1: Main Workshop Papers**

10:00 - *FinRAD: Financial Readability Assessment Dataset - 13,000+ Definitions of Financial Terms for Measuring Readability*
Sohom Ghosh, Shovon Sengupta, Sudip Naskar and Sunny Kumar Singh

10:30-11:00 **Coffee Break**

11:00 - *Diversity in Finance Literature Revealed through the Lens of Machine Learning: A Topic Modeling Approach on Academic Papers*
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11:30 - *Discovering Financial Hypernyms by Prompting Masked Language Models*
Bo Peng, Emmanuele Chersoni, Yu-Yin Hsu and Chu-Ren Huang

12:00 - *Sentiment Classification by Incorporating Background Knowledge from Financial Ontologies*
Timen Stepišnik-Perdih, Andraž Pelicon, Blaž Škrlič, Martin Žnidaršič, Igor Lončarski and Senja Pollak

12:30 - *Detecting Causes of Stock Price Rise and Decline by Machine Reading Comprehension with BERT*
Gakuto Tsutsumi and Takehito Utsuro

13:00 - *XLNET-GRU Sentiment Regression Model for Cryptocurrency News in English and Malay*
Nur Azmina Mohamad Zamani, Jasy Suet Yan Liew and Ahmad Muhyiddin Yusof

13:30–14:30 **Lunch Break**

Friday 24 June 2022 (continued)

14:30–15:20 Session 2: FNS Shared Task

14:30 - The Financial Narrative Summarisation Shared Task (FNS 2022)

Mahmoud El-Haj, Nadhem ZMANDAR, Paul Rayson, Ahmed AbuRa'ed, Marina Litvak, Nikiforos Pittaras, George Giannakopoulos, Aris Kosmopoulos, Blanca Carbajo-Coronado and Antonio Moreno-Sandoval

14:35 - Multilingual Text Summarization on Financial Documents

Negar Foroutan, Angelika Romanou, Stéphane Massonnet, Rémi Lebret and Karl Aberer

14:45 - Extractive and Abstractive Summarization Methods for Financial Narrative Summarization in English, Spanish and Greek

Alejandro Vaca, Alba Segurado, David Betancur and Álvaro Barbero Jiménez

14:55 - DiMSum: Distributed and Multilingual Summarization of Financial

Narratives Neelesh Shukla, Amit Vaid, Raghu Katikeri, Sangeeth Keeriyadath and Msp Raja

15:05 - Transformer-based Models for Long Document Summarisation in Financial Domain

Urvashi Khanna, Samira Ghodrathnama, Diego Mollá and Amin Beheshti

15:15 - Multilingual Financial Documentation Summarization by Team_Tredence for FNS2022

Manish Pant and Ankush Chopra

15:25 - Financial Narrative Summarisation Using a Hybrid TF-IDF and Clustering Summariser: AO-Lancs System at FNS 2022

Mahmoud El-Haj and Andrew Ogden

15:30–16:10 Session 3: FinTOC Shared Task

15:30 - The Financial Document Structure Extraction Shared Task (FinTOC 2022)

Juyeon Kang, Abderrahim Ait Azzi, Sandra Bellato, Blanca Carbajo Coronado, Mahmoud El-Haj, Ismail El Maarouf, Mei Gan, Ana Gisbert and Antonio Moreno Sandoval

15:40 - ISPRAS@FinTOC-2022 Shared Task: Two-stage TOC Generation Model

Anastasiia Bogatenkova, Oksana Vladimirovna Belyaeva, Andrew Iгореvich Perminov and Ilya Sergeevich Kozlov

15:50 - swapUNIBA@FinTOC2022: Fine-tuning Pre-trained Document Image Analysis Model for Title Detection on the Financial Domain

Pierluigi Cassotti, Cataldo Musto, Marco DeGemmis, Georgios Lekkas and Giovanni Semeraro

16:00 - GREYC@FinTOC-2022: Handling Document Layout and Structure in Native PDF Bundle of Documents

Emmanuel Giguët and Nadine Lucas

16:10-16:30 Coffee Break

Friday 24 June 2022 (continued)

16:30–17:40 Session 4: FinCausal Shared Task

16:30 - *The Financial Causality Extraction Shared Task (FinCausal 2022)*

Dominique Mariko, Hanna Abi-Akl, Kim Trottier and Mahmoud El-Haj

16:40 - *SPOCK at FinCausal 2022: Causal Information Extraction Using Span-Based and Sequence Tagging Models*

Anik Saha, Jian Ni, Oktie Hassanzadeh, Alex Gittens, Kavitha Srinivas and Bulent Yener

16:50 - *DCU-Lorcan at FinCausal 2022: Span-based Causality Extraction from Financial Documents using Pre-trained Language Models*

Chenyang Lyu, Tianbo Ji, Quanwei Sun and Liting Zhou

17:00 - *LIPI at FinCausal 2022: Mining Causes and Effects from Financial Texts*

Sohom Ghosh and Sudip Naskar

17:10 - *iLab at FinCausal 2022: Enhancing Causality Detection with an External Cause-Effect Knowledge Graph*

Ziwei Xu, Rungsiman Nararatwong, Natthawut Kertkeidkachorn and Ryutaro Ichise

17:20 - *ExpertNeurons at FinCausal 2022 Task 2: Causality Extraction for Financial Documents*

Joydeb Mondal, Nagaraj Bhat, Pramir Sarkar and Shahid Reza

17:30 - *ATL at FinCausal 2022: Transformer Based Architecture for Automatic Causal Sentence Detection and Cause-Effect Extraction*

Abir Naskar, Tirthankar Dasgupta, Sudeshna Jana and Lipika Dey

[not presenting] MNLP at FinCausal2022: Nested NER with a Generative Model

Jooyeon Lee, Luan Huy Pham and Özlem Uzuner

17:50-18:00 Closing Remarks: Dr Mahmoud El-Haj