Nikolaos Aletras - Curriculum Vitae

PERSONAL INFO

Name: Nikolaos Aletras
Email: n.aletras@sheffield.ac.uk
Web page: http://www.nikosaletras.com/
ORCID: 0000-0003-4285-1965
Google Scholar: https://scholar.google.co.uk/citations?user=uxRWFhoAAAAJ

EDUCATION

PhD in Computer Science, University of Sheffield, UK (2011-2014)
MSc in Advanced Computer Science, University of Sheffield, UK (2010-2011)
BSc in Computer Science, University of Crete, Greece (2002-2007)

EMPLOYMENT HISTORY

Senior Lecturer in Natural Language Processing (2021-)
Department of Computer Science, University of Sheffield, UK
Amazon Visiting Academic (2021-)
Amazon Alexa, London, UK
Lecturer in Natural Language Processing (2019-2020)
Department of Computer Science, University of Sheffield, UK
Lecturer in Data Science (2018-2019)
Information School, University of Sheffield, UK
Applied Scientist (2015-2018)
Amazon Cambridge, UK
Research Associate (2015)
University College London, UK
Research Associate/Assistant (2011-2015)
University of Sheffield, UK
Consultancy/Scientific Advisor
Alchemy Machines, UK (2020-2021); SONR News Limited, UK (2015)

GRANTS

Social Explainable Artificial Intelligence, EPSRC (CHIST-ERA), 2021-2024, £288,447 (£144,224), PI
Understanding political advertising: perceptions, uses and regulation, Leverhulme Trust, 2021-2024, £395,011 (£118,503), Co-PI
Responsible AI for Inclusive, Democratic Societies: A cross-disciplinary approach to detecting and countering abusive language online, ESRC, 2020-2023, £508,135 (£254,068), Co-PI
UKRI Centre for Doctoral Training in Speech and Language Technologies and their Applications, EPSRC, 2019-2027, £5,508,850 (£597,500), Co-PI
Journalist-in-the-loop, 2019, Google, £44,153 (£22,076), Co-PI
Bergamot: Browser-based Multilingual Translation, EC H2020, 2019-2021, £473,113 (£94,622), Co-PI
Innovating Next Generation Services through Collaborative Design, 2018-2020, ESRC, £284,926 (£33,000), Site PI
Amazon Alexa Fellowship, 2018-2021, Amazon, £73,000, PI
AWS Credits Research Award, 2018, Amazon, £15,400, PI
Pump-Priming Vision & Language Research award, 2014, EPSRC Network on Vision and Language, £2,000, Co-PI

SELECTED PAPERS

1. G. Chrysostomou and **N. Aletras** (2022). *Flexible Instance-specific Rationalization of NLP Models*. In AAAI. (CORE A*)

2. K. Margatina, G. Vernikos, L. Barrault and **N. Aletras** (2021). *Active Learning by Acquiring Contrastive Examples*. In EMNLP (CORE A).

3. D. Sanchez Villegas and **N. Aletras** (2021). *Point-of-Interest Type Prediction using Text and Images*. In EMNLP (CORE A).

4. G. Chrysostomou and **N. Aletras** (2021). *Enjoy the Salience: Towards Better Transformer-based Faithful Explanations with Word Salience.* In EMNLP (CORE A).

5. S. Mensah, K. Sun and **N. Aletras** (2021). *An Empirical Study on Leveraging Position Embeddings for Target-oriented Opinion Words Extraction.* In EMNLP (CORE A).

6. A. Yamaguchi, G. Chrysostomou, K. Margatina and **N. Aletras** (2021). *Frustratingly Simple Pretraining Alternatives to Masked Language Modeling.* In EMNLP (CORE A).

7. G. Chrysostomou and **N. Aletras** (2021). *Improving the Faithfulness of Attention-based Explanations with Task-specific Information for Text Classification.* In ACL (CORE A*).

8. P. Vickers, **N. Aletras**, E. Monti and Loic Barrault (2021). *In Factuality: Efficient Integration of Relevant Facts for Visual Question Answering.* In ACL (CORE A*).

9. M. Jin and **N. Aletras** (2021). *Modeling the Severity of Complaints in Social Media.* In NAACL (CORE A).

10. I. Chalkidis, M. Fregadiotis, D. Tsarapatsanis, **N. Aletras**, I. Androutsopoulos and P. Malakatsiotis (2021). *Paragraph-level Rationale Extraction through Regularization: A case study on European Court of Human Rights Cases.* In NAACL (CORE A).

11. M. Jin and **N. Aletras** (2020). *Complaint Identification in Social Media with Transformer Networks.* In COLING (CORE A).

12. I. Chalkidis, M. Fregadiotis, S. Kotitsas, P. Malakatsiotis, **N. Aletras** and I. Androutsopoulos (2020). *An Empirical Study on Large-Scale Multi-Label Text Classification including Few and Zero-Shot Labels.* In EMNLP (CORE A).

13. M. Fomicheva, S. Sun, L. Yankovskaya, F. Blain, F. Guzman, M. Fishel, **N. Aletras**, V. Chaudhary and L. Specia (2020). *Unsupervised Quality Estimation for Neural Machine Translation.* TACL

14. Y. Mu and **N. Aletras** (2020). Identifying Twitter Users who Repost Unreliable News Sources with Linguistic Information. PeerJ Computer Science (IF:3.09)

15. D. Sanchez, D. Preoiuc-Pietro and **N. Aletras** (2020). *Point-of-Interest Type Inference from Social Media Text.* In AACL.

16. A. Maronikolakis, D. Sanchez, D. Preoiuc-Pietro and **N. Aletras** (2020). *Analyzing Political Parody in Social Media.* In ACL (CORE A*).

17. A. Alokaili, **N. Aletras** and M. Stevenson (2020). Automatic Generation of Topic Labels. In SIGIR (CORE A*).

18. I. Chalkidis, I. Androutsopoulos and **N. Aletras** (2019). *Neural Legal Judgment Prediction in English.* In ACL (CORE A*).

19. D. Preotiuc-Pietro, M. Gaman and **N. Aletras** (2019). *Automatically Identifying Complaints in Social Media.* In ACL (CORE A*).

20. A. Tsakalidis, **N. Aletras**, M. Liakata and A. Cristea (2018). *Nowcasting the Stance of Social Media Users in a Sudden Vote: The Case of the Greek Referendum.* In CIKM (CORE A).

21. I. Soroduc, J. H. Lau, **N. Aletras** and T. Baldwin (2017). *Multimodal Topic Labelling.* In EACL (CORE A).

22. **N.Aletras**, D. Tsarapatsanis, D. Preoiuc-Pietro, V. Lampos (2016). *Predicting Judicial Decisions of the European Court of Human Rights: A Natural Language Processing Perspective.* PeerJ Computer Science. (IF: 3.09, In 10 most cited articles)

23. D. Preoiuc-Pietro, V. Lampos and **N. Aletras** (2015). *An Analysis of the User Occupational Class through Twitter Content.* In ACL (CORE A*).

24. **N. Aletras** and M. Stevenson (2014). *Labelling Topics using Unsupervised Graph-based Methods.* In ACL (CORE A*).

25. V. Lampos, **N. Aletras**, D. Preoiuc-Pietro and T. Cohn (2014). *Predicting and Characterising User Impact on Twitter.* In EACL (CORE A).

26. **N. Aletras** and M. Stevenson (2014). *Measuring the Similarity between Automatically Generated Topics.* In EACL (CORE A).

27. **N. Aletras**, T. Baldwin, J. H. Lau and M. Stevenson (2014). *Representing Topics Labels for Exploring Digital Libraries.* In JCDL (CORE A*).

28. **N. Aletras** and M. Stevenson (2013). *Representing Topics Using Images.* In NAACL-HLT (CORE A).

Full List (including *ACL Findings papers): http://nikosaletras.com/publications/

AWARDS & PRIZES	Selected member of the "30 under 30" list of promising Greek Young Professionals, Kathimerini newspaper, Greece (2016) ACL Student Travel Award (2014) Google award covering the registration in the Lisbon Machine Learning School (2012) Departmental Research Studentship, University of Sheffield (2011-2014) The Inspec Solutions Ltd. Prize for the **Best Overall Performance** in MSc in Advanced Computer Science, University of Sheffield (2011)
SELECTED INVITED TALKS	**NLP for Social Media** Athens University of Economics and Business; Lancaster University; University of Cambridge; Imperial College London; University of Warwick; DFKI Berlin **NLP for Empirical Legal Studies** Council of Europe; European Commission; University of Cambridge; University of Liverpool; University College London; University of Leuven; Kings College London; Seoul National University; Flemish Bar Association; PwC; Royal Statistics Society; Tsinghua University **Interpreting Document Collections with Topic Models** University of Melbourne; University of Cambridge; Bloomberg
SELECTED PRESS COVERAGE	*Instant Karma's Gonna Get You On The Social Networks*, Forbes, 2020, USA *AI Can Predict Twitter Users Likely to Spread Disinformation Before They Do It*, Communications of the ACM, 2020, USA *AI learns to predict the outcomes of human rights court cases*, New Scientist, 2019, UK *Twitter is "threatening" the pollsters*, Ephimerida ton Syntakton (+printed), 2018, GR *Why a computer could help you get a fair trail*, Guardian, 2018, UK *AI predicts outcome of human rights cases*, BBC, 2016, UK *Robot Justice: AI Predicts Outcomes of Human Rights Trials*, The Wall Street Journal, 2016, USA *How Economists View the Rise of Artificial Intelligence*, Fortune, 2016, USA *Tweets Reveal a Twitter User's Income Bracket*, Scientific American, 2015, USA *What you do on Twitter reveals how much money you make*, The Washington Post, 2015, USA

PHD SUPERVISION			
	Ahmed Alajrami	Large Language Models	2021-
	George Chrysostomou	Model Interpretability in NLP	2019-
	Mali Jin	NLP for Social Media	2019-
	Wenzhe Li	Graph Neural Networks for NLP	2020-
	Katerina Margatina	Data Efficient Learning	2019-
	Yida Mu	Online Misinformation Detection	2019-
	Danae Sanchez Villegas	Multimodal NLP	2020-
	Huiyin Xue	Large Language Models	2021-
	Ilias Chalkidis	NLP for Law	2018-2021
	Areej Alokaili	Topic Modelling	2018-2021

POSTDOC MANAGEMENT	Cass Zhao	Social Explainable AI	2022-
	Samuel Mensah	Understanding Political Advertising	2020-
	Marina Fomicheva	Bergamot	2019-2021
	Fred Blain	Bergamot	2019-2020
	Twin Karmakharm	Google DNI: Journalist-in-the-loop	2019

PROFESSIONAL SERVICE

Workshop Organiser

Natural Legal Language Processing (NLLP): NAACL-HLT (2019), KDD (2020), EMNLP (2021), EMNLP (2022)

Ethics, Privacy, Transparency and Bias in Information Retrieval, Information School, Sheffield University and BCS Information Retrieval Specialist Group, 2018

Topic Models: Post-processing and Applications: CIKM (2015)

(Senior-) Area Chair

SAC, Annual Meeting of the Association for Computational Linguistics (ACL 2022), Meta-Reviewer, ACL Rolling Review (ARR 2021-)

AC, Conference on Empirical Methods in Natural Language Processing (EMNLP 2021)

SAC, Annual Meeting of the Association for Computational Linguistics (ACL 2020),

AC, Conference on Empirical Methods in Natural Language Processing (EMNLP 2019; Selected as an outstanding AC)

Reviewer

NLP/ML: TACL, ACL, EMNLP, NAACL, EACL, COLING, NeurIPS, ICML

Grant Applications: EPSRC, Research Foundation Flanders (FWO), Swiss National Science Foundation (SNSF)

Member: Association for Computational Linguistics (2012-)

TEACHING

Natural Language Processing, UG/PGT (2019-; Ranked top-7 (10th decile) in student evaluation in the Faculty of Engineering for Grade 8s in 2020)

Data Mining and Visualisation, PGT (2018)

Researching Social Media, PGT (2018)

Fellow of Higher Education (FHEA, 2020)

ADMIN

Postgraduate Research Students Tutor, DCS, University of Sheffield (2021-)

Careers and Placements Officer, DCS, University of Sheffield (2019-2021)