Christos Baziotis

CONTACT INFORMATION	16 (1F2) Grindlay Street, EH3 9AS Edinburgh, UK +44 7935 476755	**Email:** **Website:** **Publications:**	christos.baziotis@gmail.com cbaziotis.github.io Google Scholar

RESEARCH INTERESTS

Natural Language Generation, Machine Translation & Multilingual NLP, Representation Learning, Latent Structure, Unsupervised & Low-Resource Learning

EDUCATION

Ph.D. Candidate — 2019 - Present
University of Edinburgh (ILCC), UK

Topic: Low-Resource/Unsupervised Machine Translation
Supervisors: Dr. Barry Haddow, Dr. Alexandra Birch

M.Sc. in Advanced Computing and Informatics Systems — 2017
University of Piraeus, Greece, Department of Informatics

First-Class Honours (GPA 9.46/10)
Thesis: "*Sentiment Analysis in Twitter with Deep Neural Networks*"
Supervisors: Prof. Nikos Pelekis, Prof. Christos Doulkeridis

B.Sc. in Computer Science — 2014
University of Piraeus, Greece, Department of Informatics

Thesis: "*Web-based Android Application for Appointment Scheduling*"
Supervisor: Prof. Efthimios Alepis

RESEARCH EXPERIENCE

Research Assistant — 2017 - 2019
National Technical University of Athens (NTUA), Greece

Research Topic: Low-Resource Neural Text Generation, Transfer Learning
Supervisors: Prof. Alexandros Potamianos, Prof. Ion Androutsopoulos
- Teacher Assistant in Speech and Language Processing
- Leader of NTUA-SLP Team for Semeval 2018 (Tasks 1, 2, 3)

Research Assistant — 2017 - 2019
Institute of Communication and Computer Systems (ICCS), Athens, Greece

Project: "*BabyRobot: Child-Robot Communication and Collaboration*" (EU Horizon 2020)
- Object Recognition, for enabling the robots to identify children's workspace.
- Speech Emotion Recognition, for tracking children's emotions.
- Text Affect Recognition, for monitoring children's affective state (ASR transcripts).

WORK EXPERIENCE

Software Engineer — 2014 - 2016
Profile Systems and Software S.A. (Banking & Investment Management)

- Web software engineer (lead front-end), at Profile's R&D department.
- Lead developer of Axia, Profile's cloud-based solution for wealth management.

CONFERENCES

Baziotis, C., Haddow, B. and Birch, A "Language Model Prior for Low-Resource Neural Machine Translation". EMNLP 2020. **[paper] [code]**

Baziotis, C., Androutsopoulos, I., Konstas, I., and Potamianos, A. "SEQ^3: Differentiable Sequence-to-Sequence-to-Sequence Autoencoder for Unsupervised Abstractive Sentence Compression". NAACL 2019. **[paper] [code]**

Chronopoulou, A., **Baziotis, C.,** and Potamianos, A. (2019) "An Embarrassingly Simple Approach for Transfer Learning from Pretrained Language Models". NAACL 2019. **[paper] [code]**

Margatina, A., **Baziotis, C.,** and Potamianos, A. (2019). "Attention-based Conditioning Methods for External Knowledge Integration". ACL 2019. **[paper] [code]**

Tzinis, E., Paraskevopoulos, G., **Baziotis, C.,** and Potamianos, A. "Integrating Recurrence Dynamics for Speech Emotion Recognition". Interspeech 2018. **[paper]**

WORKSHOPS **Baziotis, C.,** Nikolaos, A., Chronopoulou, A., Kolovou, A., Paraskevopoulos, G., Ellinas, N., Narayanan, S., and Potamianos, A. "NTUA-SLP at SemEval-2018 Task 1: Predicting Affective Content in Tweets with Deep Attentive RNNs and Transfer Learning". SemEval (NAACL) 2018. **[paper] [code]**

Baziotis, C., Nikolaos, A., Kolovou, A., Paraskevopoulos, G., Ellinas, N., and Potamianos, A. "NTUA-SLP at SemEval-2018 Task 2: Predicting Emojis using RNNs with Context-aware Attention". SemEval (NAACL) 2018. **[paper] [code]**

Baziotis, C., Nikolaos, A., Papalampidi, P., Kolovou, A., Paraskevopoulos, G., Ellinas, N., and Potamianos, A. "NTUA-SLP at SemEval-2018 Task 3: Tracking Ironic Tweets using Ensembles of Word and Character Level Attentive RNNs". SemEval (NAACL) 2018. **[paper] [code]**

Chronopoulou, A., Margatina, A., **Baziotis, C.,** and Potamianos, A. "NTUA-SLP at IEST 2018: Ensemble of Neural Transfer Methods for Implicit Emotion Classification". WASSA (EMNLP) 2018. **[paper] [code]**

Baziotis, C., Pelekis, N., and Doulkeridis, C. "DataStories at SemEval-2017 Task 4: Deep LSTM with Attention for Message-level and Topic-based Sentiment Analysis". SemEval (ACL) 2017. **[paper] [code]**

Baziotis, C., Pelekis, N., and Doulkeridis, C. "DataStories at SemEval-2017 Task 6: Siamese LSTM with Attention for Humorous Text Comparison". SemEval (ACL) 2017. **[paper] [code]**

COMPETITIONS - 1st place in Semeval 2017, Task4A "Sentiment Analysis in Twitter"
- 1st place in Semeval 2018, Task1E "Affect in Tweets"
- 2nd place in Semeval 2017 Task4 [B, C, D] (*Sentiment Analysis*), Semeval 2017 Task6A (*Humor*), Semeval 2018 Task2 (*Emoji Prediction*), Semeval 2018 Task3 (*Irony Detection*)

OPEN-SOURCE ekphrasis (Text Preprocessing)
PROJECTS Text processing tool, targeted at messages from social networks (e.g. Twitter)
NeAt-Vision (Visualization / Model Analysis)
Visualization of the behaviour of deep-learning models for NLP (attention, predictions)

PROGRAMMING **Proficient**: Python (machine learning stack; PyTorch, NumPy/SciPy, scikit-learn, Keras),
SKILLS JavaScript (front-end stack; AnglularJS, VueJS)
Familiar: Java, C/C++, SQL, RegEx, Linux Shell

LANGUAGES **Greek** (native), **English** (fluent)