

Ioannis Konstas

CONTACT INFORMATION	Heriot-Watt University Mathematical and Computer Sciences Edinburgh EH14 4AS, Scotland UK	i.konstas@hw.ac.uk http://www.ikonstas.net
PERSONAL PROFILE	I am a lecturer in the department of Mathematical and Computer Sciences at Heriot-Watt University, Edinburgh. (H-Index 10, approx. 1000 citations, 4 years since PhD). My main research interests focus on the area of Natural Language Generation (NLG) with an emphasis on data-driven deep learning methods. In particular, I am investigating generating text from meaning representations, programming language code, as well as generating stories from sequences of generic events, or other educational domains such as Math word problems.	
EDUCATION	PhD in Informatics , University of Edinburgh Thesis: Joint Models for Concept-to-Text Generation. Supervisor: Prof. Mirella Lapata Visiting Student at MIT	2014 2013
	MSc in Artificial Intelligence (w/ distinction) , University of Edinburgh Thesis: Dialogue Context-Based Speech Recognition using User Simulation. Supervisor: Prof. Oliver Lemon	2008
	BSc in Computer Science , Athens University of Economics and Business.	2007
RESEARCH EXPERIENCE	Research Associate , University of Washington Supervisor: Prof. Luke Zettlemoyer Key Interests: <i>Natural Language Generation, Meaning Representations, Deep Learning, Large scale generation systems.</i>	2015-2017
	Research Associate , University of Edinburgh Project Title: An Integrated Model of Syntactic and Semantic Prediction in Human Language Processing. (EPSRC-funded) Supervisor: Prof. Frank Keller Key Interests: <i>Incremental parsing, Integration of syntax and semantics, Incremental Semantic Role Labelling, Psycholinguistics.</i>	2013-2015
	Research Assistant , University of Glasgow Supervisor: Prof. Joemon Jose Key Interests: <i>Adaptive Information Retrieval, and Social Media-Networks.</i>	2008-2009
PRIZES & AWARDS	Winner of LSDSem Shared Task NAACL Best Reviewers ACL Conference Scholarship (Registration and Travel Expenses) NAACL Conference Scholarship (Registration fee) MSc EPSRC Scholarship (Full tuition fees), University of Edinburgh	2017 2016 2012 2012 2007
FUNDING	Total: £15,169 NVIDIA Academic Research Program (1 GPU donation) Yahoo! Faculty Research and Engagement Program Gift (£15,169)	2016 2013

**SELECTED
INVITED
TALKS**

Building Adaptable and Scalable Natural Language Generation Systems
University of Illinois Chicago, University of Sheffield,
Athens University of Economics and Business, Microsoft Research,
Amazon, Information Sciences Institute Spring 2017
NNLG: Neural Natural Language Generation
Uphill Battles in Lang. Proces. Workshop, EMNLP-16 – Invited Speaker Nov 2016
Towards Contextual and Collaborative Story Generation
Communicating with Computers DARPA Project, Boulder, CO Sep 2016
Joint models for Concept-to-Text Generation
Saarland University, University of Potsdam,
University of Washington Winter 2013-4

TEACHING

Lecturer Heriot-Watt University Winter 2017
F29AI – Artificial Intelligence and Intelligent Agents
Course Organizer University of Washington Winter 2016-7
CSE 591W - Reading and Presentations Group on NLG (PhD level) July 2015
Seminar Aberdeen NLG Summer School
Tutor University of Edinburgh
INF1 - Object Oriented Programming Spring 2011, 2012
INF2A - Processing Formal and Natural Languages Winter 2012
Demonstrator University of Edinburgh
Introduction to Java Programming (MSc level) Winter 2011, 2012

**OTHER
ACADEMIC
ACTIVITIES**

Program Committee Member ACL, EACL, EMNLP, NAACL, AACL, INLG,
ECAI, SIGIR, CIKM.
Journal Reviewing Journal of Artificial Intelligence Research, Transactions of ACL.
Area Chair on Generation–Summarization for ACL 2018.

**SELECTED
PUBLICATIONS**

Ioannis Konstas, Srinivasan Iyer, Mark Yatskar, Yejin Choi and Luke Zettlemoyer.
Neural AMR: Neural AMR: Sequence-to-Sequence Models for Parsing and Generation.
Vancouver, Canada, ACL 2017.

Srinivasan Iyer, Ioannis Konstas, Alvin Cheung, Jayant Krishnamurthy, Luke Zettlemoyer.
Learning a Neural Semantic Parser from User Feedback. Vancouver, Canada,
ACL 2017.

Rik Koncel-Kedziorski, Ioannis Konstas, Luke Zettlemoyer and Hannaneh Hajishirzi.
A Theme-Rewriting Approach for Generating Algebra Word Problems. Austin, TX,
USA, EMNLP 2016.

Srinivasan Iyer, Ioannis Konstas, Alvin Cheung, Luke Zettlemoyer. Summarizing
Source Code using a Neural Attention Model. Berlin, Germany, ACL 2016.

Ioannis Konstas and Mirella Lapata. A Global Model for Concept-to-Text Generation.
Journal of Artificial Intelligence Research, Volume 48, pages 305–346, 2013.

Ioannis Konstas and Mirella Lapata. Inducing document plans for concept-to-text
generation. Seattle, WA, USA, EMNLP 2013.

Ioannis Konstas, Vassilios Stathopoulos, and Joemon M. Jose. On social networks and
collaborative recommendation. Boston, MA, USA, SIGIR 2009. (>550 citations)

Oliver Lemon and Ioannis Konstas. User simulations for context-sensitive speech
recognition in spoken dialogue systems. Athens, Greece, EACL 2009.