CC-NLG 2016

The INLG 2016 Workshop on

Computational Creativity in Natural Language Generation

Proceedings of the Workshop

Production and Manufacturing by
Omnipress Inc.
2600 Anderson Street
Madison, WI 53707
USA

©2016 The Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
209 N. Eighth Street
Stroudsburg, PA 18360
USA
Tel: +1-570-476-8006
Fax: +1-570-476-0860
acl@aclweb.org

ISBN 978-1-945626-24-1

Introduction

Welcome to the INLG 2016 Workshop on Computational Creativity in Natural Language Generation. This workshop aims to bring together researchers dealing with text generation from a computational creativity perspective, and researchers in natural language generation with an interest in creative aspects. These two communities have been working separately for many years, as the focus in each one of them has been different: creativity research tends to be less focused on technical issues in natural language generation, and more on issues related to cognition, aesthetics, and novelty; while NLG research tends to focus on technical and theoretical aspects of processes, and information content and readability of output. However, recent progress in both fields is reducing many of these differences with creativity projects moving more towards robust implementation, and NLG research including stylistics, variation and literary genres such as poetry or narrative and we believe they are approaching the point where they can mutually benefit from ongoing work. By encouraging members of both communities to discuss work in related topics with each other, we hope to move towards better joint understanding of the problems involved.

Matthew Purver, Pablo Gervás and Sascha Griffiths

Workshop Chairs:

Matthew Purver, Queen Mary University of London
Pablo Gervás, Universidad Complutense de Madrid
Sascha Griffiths, Universität Hamburg

Program Committee:

David Elson, Google
Mark Granroth-Wilding, University of Cambridge
Cyril Labbé, Grenoble University
Carlos León, Universidad Complutense de Madrid
Maria Teresa Llano Rodriguez, Goldsmiths, University of London
Stephen McGregor, Queen Mary University of London
François Portet, Université Grenoble Alpes
Ehud Reiter, University of Aberdeen
Advaith Siddharthan, University of Aberdeen
Hannu Toivonen, University of Helsinki
Alessandro Valitutti, University College Dublin
Pierre-Luc Vaudry, Université de Montréal
Tony Veale, University College Dublin
Geraint Wiggins, Queen Mary University of London

Table of Contents

Assembling Narratives with Associative Threads
Pierre-Luc Vaudry and Guy Lapalme 1

Human-like Natural Language Generation Using Monte Carlo Tree Search
Kaori Kumagai, Ichiro Kobayashi, Daichi Mochihashi, Hideki Asoh, Tomoaki Nakamura and Takayuki Nagai 11

Empirical Determination of Basic Heuristics for Narrative Content Planning
Pablo Gervás 19

X575: Writing Rengas with Web Services
Daniel Winterstein and Joseph Corneli 27

A Challenge to the Third Hoshi Shinichi Award
Satoshi Sato 31

Automatic Modification of Communication Style in Dialogue Management
Louisa Pragst, Juliana Miehle, Stefan Ultes and Wolfgang Minker 36

Mining Knowledge in Storytelling Systems for Narrative Generation
Eugenio Concepción, Pablo Gervás and Gonzalo Méndez 41

Process Based Evaluation of Computer Generated Poetry
Stephen McGregor, Matthew Purver and Geraint Wiggins 51

Combinatorics vs Grammar: Archeology of Computational Poetry in Tape Mark I
Alessandro Mazzei and Andrea Valle 61

Conference Programme

Monday 5th September

08:30–09:00 Registration

09:00–10:15 Session 1 (full presentations)

09:00–09:25 *Assembling Narratives with Associative Threads*
Pierre-Luc Vaudry and Guy Lapalme

09:25–09:50 *Human-like Natural Language Generation Using Monte Carlo Tree Search*
Kaori Kumagai, Ichiro Kobayashi, Daichi Mochihashi, Hideki Asoh, Tomoaki Nakamura and Takayuki Nagai

09:50–10:15 *Empirical Determination of Basic Heuristics for Narrative Content Planning*
Pablo Gervás

10:15–10:30 Coffee

10:30–11:30 Session 2 (short presentations)

10:30–10:45 *X575: Writing Rengas with Web Services*
Daniel Winterstein and Joseph Corneli

10:45–11:00 *A Challenge to the Third Hoshi Shinichi Award*
Satoshi Sato

11:00–11:15 *Automatic Modification of Communication Style in Dialogue Management*
Louisa Pragst, Juliana Miehle, Stefan Ultes and Wolfgang Minker

11:15–11:30 *Mining Knowledge in Storytelling Systems for Narrative Generation*
Eugenio Concepción, Pablo Gervás and Gonzalo Méndez

11:30–11:40 Quick breath of fresh air

11:40–12:30 Session 3 (full presentations)

11:40–12:05 *Process Based Evaluation of Computer Generated Poetry*
Stephen McGregor, Matthew Purver and Geraint Wiggins

12:05–12:30 *Combinatorics vs Grammar: Archeology of Computational Poetry in Tape Mark I*
Alessandro Mazzei and Andrea Valle

12:30 Close & lunch