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Introduction

Welcome to the 2nd Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature. After a great joint event last year, we are happy to present another lineup of high-quality papers at this year’s workshop. Everything you want to know about it has been placed on-line (https://sighum.wordpress.com/events/latech-clfl-2018/). We accepted 64.3% of submitted papers. You can appreciate the thematic variety in what follows.

We thank all submitters, congratulate those whose work appears here, and express our debt of gratitude to the members of the program committee. We wish to single out one participant: Ted Underwood, who has graciously accepted our invitation to be the workshop’s guest speaker.

Enjoy!

Beatrice, Stefania, Anna, Anna, Nils, Stan
Invited Talk

Ted Underwood is a Professor of Information Science and English at the University of Illinois, Urbana-Champaign. He has published widely on quantitative approaches to literary history, with articles in New Literary History, Cultural Analytics, Representations, and Modern Language Quarterly. His research currently focuses on questions about literary character, and ways of using machine learning to compare situated historical perspectives. In 2019, the University of Chicago Press will publish his next book, Distant Horizons: Digital Evidence and Literary Change.

Measurement and Human Perspective

Researchers who use quantitative methods to study culture may find themselves torn between two approaches to knowledge. Quantitative disciplines often value generalizable methods that make different frames of reference comparable. But humanists have long insisted that knowledge about culture is irreducibly perspectival, relative to a particular vantage point. Of course, the tension between these two approaches is not exactly a contradiction. Contemporary quantitative methods are sometimes flexible enough to incorporate varied human perspectives as elements of a model. This talk will describe a few recent projects that have attempted perspectival modeling, and reflect on opportunities for further research.
Invited Speaker

Ted Underwood, University of Illinois, United States

Organizers

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Anna Feldman, Dept. of Linguistics & Dept. of Computer Science, Montclair State University
Anna Kazantseva, National Research Council of Canada
Nils Reiter, Institute for Natural Language Processing (IMS), Stuttgart University
Stan Szpakowicz, School of Electrical Engineering and Computer Science, University of Ottawa

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Kalliopi Zervanou, Utrecht University, The Netherlands
Heike Zinsmeister, University of Hamburg, Germany
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Conference Program

Saturday, August 25, 2018

09:00–10:30 Session 1

*Learning Diachronic Analogies to Analyze Concept Change*
Matthias Orlikowski, Matthias Hartung and Philipp Cimiano

*A Linked Coptic Dictionary Online*
Frank Feder, Maxim Kupreyev, Emma Manning, Caroline T. Schroeder and Amir Zeldes

*Using relative entropy for detection and analysis of periods of diachronic linguistic change*
Stefania Degaetano-Ortlieb and Elke Teich

11:00–12:30 Session 2

*Cliche Expressions in Literary and Genre Novels*
Andreas van Cranenburgh

*Analysis of Rhythmic Phrasing: Feature Engineering vs. Representation Learning for Classifying Readout Poetry*
Timo Baumann, Hussein Hussein and Burkhard Meyer-Sickendiek

*Cross-Discourse and Multilingual Exploration of Textual Corpora with the DualNeighbors Algorithm*
Taylor Arnold and Lauren Tilton
Saturday, August 25, 2018 (continued)

13:50–14:50 Invited Talk

Measurement and Human Perspective
Ted Underwood

14:50–15:50 Poster Teasers and Poster Session

One Size Fits All? A simple LSTM for non-literal token and construction-level classification
Erik-Lân Do Dinh, Steffen Eger and Iryna Gurevych

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Session 3

16:20–17:20

Automatic identification of unknown names with specific roles
Samia Touileb, Truls Pedersen and Helle Sjøvaag

Induction of a Large-Scale Knowledge Graph from the Regesta Imperii
Juri Opitz, Leo Born and Vivi Nastase