

COST Action IC1207

PARSING and Multi-word Expressions

Towards linguistic precision and computational efficiency
in natural language processing

Working Group 2: PARSING TECHNIQUES FOR MWEs

PARSEME 7th General Meeting

Dubrovnik, Croatia
27 September 2016

About WG2

2014.02.04

Members:	26
Countries:	18
ESR / non-ESR:	7 / 19

2016.09.08

Members:	64
Countries:	23
ESR / non-ESR:	34 / 30

(ESR: Early-Stage Researcher)

WG meetings

- *Scientific presentations (1st and 2nd WG2 meetings)*
 - MWE and collocations in symbolic parsing, Distributional semantics of MWE (Sept. 2013, Warsaw)
 - Lexical and syntactic representation of MWEs, MWE shallow and deep parsing (March 2014, Athens)
- *Parallel brainstorming sessions (3rd WG2 meeting, Sept. 2014, Frankfurt-am-Main)*
 - Compositional Semantics for MWEs ?
 - Syntactic properties of MWEs ?
 - Handling MWEs in a pre/post parsing fashion ?

WG2 activities (continued)

Hands-on sessions (4th, 5th and 6th WG2 meetings)

- *DeepNL* by G. Attardi (March 2015, Valletta)
Deep learning for MWE detection
- *MWEtoolkit* by S. Cordeiro and C. Ramisch (2015, Valletta + Iași)
MWE identification and annotation
- *XMG2* by S. Petitjean (Sept. 2015, Iași)
Lexical and syntactic encoding of MWEs
- *Grammatical Framework* by K. Angelov (April 2016, Struga)
Multi-lingual grammar design for MWEs

(Presentation material available at <http://www.parseme.eu> under Events / General Meetings)

WG2 activities (continued)

Short-Term Scientific Missions (STSMs) related to WG2

- 2013: 2
 - 2014: 5
 - 2015: 6
 - 2016: 2 + 1
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- Total duration : 54 weeks (avg. 3.6 weeks)
 - Total budget : 24.4 k€ (avg. 1626 €)

Under construction

- Provisory title: "Representation and Parsing of Multi-Word Expressions"
- Publisher: Language Science Press (<http://langsci-press.org/>)
- Guest Editors: Yannick Parmentier & Jakub Wazszuk
- Reviewing Committee:
Doug Arnold, Gosse Bouma, Svetla Koeva, Cvetana Krstev, Ana Luis, Carla Parra-Escartin, Stella Markantonatou, Victoria Rosén, Mike Rosner, Manfred Sailer, Agata Savary, Veronika Vincze, Shuly Wintner

Important dates

- 22 January 2016: Call for Contributions sent out
- 15 June 2016: Deadline for submitting abstracts
- 7 September 2016: Notification of acceptance
→ 10 contributions accepted, 2 contributions pre-selected (see *infra*)
- 31 October 2016: Deadline for submitting chapters
- 14 December 2016: Final notification
- 30 January 2017: Deadline for final version
- Spring 2017: Publication

Topics

- MWE representation (description languages for lexical and syntactic encoding of MWEs, type-theoretic MWE representation)
- Cross-lingual MWE acquisition (from parallel corpora, from lexical networks)
- statistical approaches to MWE recognition and parsing (Dependency Parsing, Combinatory Categorical Grammar)
- MWE parsing with deep symbolic grammars (Head-driven Phrase Structure Grammar, Lexical Functional Grammar)

Today's meeting (7th WG meeting)

Content

- Tutorial-Report on the use of the FRMG-DyALog framework for representing and parsing MWEs in French
 - DyALog: environment for dynamic and logic programming
 - FRMG: FRench MetaGrammar (linguistically motivated description of French syntax)

Thank you.

Questions, comments ?