



LREC 2026

**The Seventh International Workshop on Designing
Meaning Representations (DMR 2026) @ LREC 2026**

Workshop Proceedings

Editors

Jin Zhao, Claire Benet Post, Elizabeth Hoefler

11 May 2026

Proceedings of The Seventh International Workshop on Designing Meaning Representations
(DMR 2026) @ LREC 2026

©ELRA Language Resources Association (ELRA), 2026
These proceedings are licensed under a Creative Commons Attribution-
NonCommercial 4.0 International License (CC BY-NC 4.0)

ISBN 978-2-493814-54-8

Preface

Welcome to the Proceedings of the Seventh International Workshop on Designing Meaning Representations (DMR 2026), held on May 11, 2026, in Palma de Mallorca, Spain, in conjunction with the 15th edition of the Language Resources and Evaluation Conference (LREC 2026).

The DMR workshop series brings together researchers working on the design, annotation, and use of meaning representations across a variety of linguistic frameworks and applications. This year’s workshop features contributions spanning Abstract Meaning Representation (AMR), Uniform Meaning Representation (UMR), frame semantics, compositional semantics, and other formalisms for capturing linguistic meaning.

We received 22 submissions and accepted 14 papers for presentation: 6 as oral presentations and 8 as posters. In addition, the workshop includes the First Shared Task on UMR Parsing, with an overview paper and two system papers from the shared task track. The program also features a panel discussion on “The Role of Symbolic Representations in the Era of LLMs”, moderated by James Pustejovsky, with panelists Louise McNally, German Rigau, Jan Hajič, Susan Windisch Brown, and Claire Bonial.

We would like to thank the members of the program committee for their thorough and timely reviews, the authors for their contributions, and the LREC 2026 organizers for their support. We also gratefully acknowledge the shared task organizers, Daniel Zeman and Jan Štěpánek, for their efforts in designing and coordinating the first UMR parsing shared task.

Jin Zhao, Claire Benet Post, and Elizabeth Hoefler
DMR 2026 Workshop Chairs

Organizing Committee

Workshop Chairs

- Jin Zhao, Brandeis University
- Claire Benet Post, University of Colorado Boulder
- Elizabeth Hoefer, University of St. Thomas

Organizing Committee

- Jan Hajič, Charles University
- Daniel Zeman, Charles University
- Jan Štěpánek, Charles University
- Alexis Palmer, University of Colorado Boulder
- James Pustejovsky, Brandeis University
- Nianwen Xue, Brandeis University

Shared Task Organizers

- Daniel Zeman, Charles University
- Jan Štěpánek, Charles University

Program Committee

- Omri Abend, The Hebrew University of Jerusalem
- Maxime Amblard, Université de Lorraine
- Ayoub Bagheri, Utrecht University
- Jorge Baptista, University of Algarve & INESC-ID Lisboa
- Abhidip Bhattacharyya, University of Massachusetts Amherst
- Claire Bonial, ARL
- Johan Bos, University of Groningen
- Richard Brutti, Brandeis University
- Alastair Butler, Hirosaki University
- Kilian Evang, Heinrich Heine University Düsseldorf
- Jan Hajič, Charles University
- Johannes Heinecke, Orange Innovation
- Bin Li, Nanjing Normal University
- Juri Opitz, University of Zurich
- Alexis Palmer, University of Colorado Boulder
- Martha Palmer, University of Colorado Boulder
- Nathan Schneider, Georgetown University
- Djamé Seddah, Inria Paris
- Mollie Shichman, University of Maryland College Park
- Haibo Sun, Brandeis University
- Jingxuan Tu, Brandeis University
- Zdeněka Urešová, Charles University
- Kristin Wright-Bettner, University of Colorado Boulder
- Nianwen Xue, Brandeis University
- Zhixing Xu, Nanjing Normal University
- Annie Zaenen, Stanford
- Deniz Zeyrek, Middle East Technical University

Invited Panelists

- Louise McNally, Universitat Pompeu Fabra
- German Rigau, University of the Basque Country (UPV/EHU)
- Jan Hajič, Charles University
- Susan Windisch Brown, University of Colorado Boulder
- Claire Bonial, U.S. Army Research Laboratory

Table of Contents

<i>CxGr-AMR: Extending Abstract Meaning Representation Beyond Lexically Anchored Relations with Constructional Rolesets</i>	
Claire Bonial, Claire Benet Post, Paul Van Eecke, Katrien Beuls and Harish Tayyar Madabushi	1
<i>Adding Aspectual Information to Structured Meaning Representations</i>	
Claire Benet Post, Paul Bontempo, August Ulfelder Milliken, Alvin Po-Chun Chen, Nicholas Derby, Saksham Khatwani, Sumeyye Nabieva, Karthik Sairam and Alexis Palmer	20
<i>Modelling Idiomatic Expressions in Abstract Meaning Representation</i>	
Venera Gareeva and Johannes Heinecke	37
<i>TrAinMR: an Annotator Training Website for Abstract Meaning Representation</i>	
Mina Yang and Shira Wein	44
<i>Named Entity Recognition for Persian Literary Text: A Case Study on The Little Prince</i>	
Minoo Nassajian, Joakim Nivre and Daniel Zeman	54
<i>Towards Consistent UMR Annotation of Deverbal Nouns: Evidence from Czech and Latin</i>	
Hana Hledíková, Federica Gamba, Marketa Lopatkova and Jan Štěpánek	65
<i>SAVI: Web-based Multilayered Semantic Annotation Validation Interface</i>	
Sashank Tatavolu, Soma Paul, Pratibha Rani and Sukhada Sukhada	81
<i>Finding Meaning in Embeddings: Concept Separation Curves</i>	
Paul Keuren, Marc Ponsen and Robert Ayoub Bagheri	91
<i>Extracting First Order Logic formulas from graphical semantic representations</i>	
Rémi de Vergnette, Vincent Tourneur and Maxime Amblard	102
<i>Meaning Representations as Variational Quantum Circuits</i>	
Tilen Gaetano Limbäck-Stokin, Tanishka A. Birdavade, Kin Ian Lo and Mehrnoosh Sadrzadeh	113
<i>Superframes: A Schema for Lexicon-free Frame-semantic Annotation</i>	
Kilian Evang	124
<i>First Shared Task on UMR Parsing</i>	
Jan Štěpánek, Daniel Zeman, Marketa Lopatkova, Federica Gamba, Hana Hledíková and Nianwen Xue	136
<i>Orange @ UMR Parsing Shared Task</i>	
Johannes Heinecke and Munshi Asadullah	148
<i>Sema System for the DMR 2026 Shared Task: Multistage UMR Parsing with Qwen3-4B</i>	
Rémi de Vergnette and Maxime Amblard	155
<i>Meaning Annotation Experience. A Tribute to Petr Sgall</i>	
Marie Mikulová, Jan Štěpánek, Barbora Štěpánková, Jarmila Panevova and Eva Hajicova	160

<i>Extending Uniform Meaning Representation to Persian: The First Corpus Resource</i>	
Minoo Nassajian and Daniel Zeman	172
<i>Regression-Tested Compositional Semantics: A Graphical Development Environment for Glue and Description-by-Analysis</i>	
Mark-Matthias Zymla and Kascha Kruschwitz	183

Workshop Program

Monday, May 11, 2026

09:00–09:10 ***Opening Remarks***

09:10–10:25 **Oral Session 1**
Room: Room #12
Chair: Jim Martin

09:10–09:35 *CxGr-AMR: Extending Abstract Meaning Representation Beyond Lexically Anchored Relations with Constructional Rolesets*
Claire Bonial, Claire Benet Post, Paul Van Eecke, Katrien Beuls and Harish Tayyar Madabushi

09:35–10:00 *Adding Aspectual Information to Structured Meaning Representations*
Claire Benet Post, Paul Bontempo, August Ulfelder Milliken, Alvin Po-Chun Chen, Nicholas Derby, Saksham Khatwani, Sumeyye Nabieva, Karthik Sairam and Alexis Palmer

10:00–10:25 *Modelling Idiomatic Expressions in Abstract Meaning Representation*
Venera Gareeva and Johannes Heinecke

Monday, May 11, 2026

10:30–11:30 **Coffee Break & Poster Session**
Room: Room #12
Chair: Claire Benet Post

TrAinMR: an Annotator Training Website for Abstract Meaning Representation
Mina Yang and Shira Wein

Named Entity Recognition for Persian Literary Text: A Case Study on The Little Prince
Minoo Nassajian, Joakim Nivre and Daniel Zeman

Towards Consistent UMR Annotation of Deverbal Nouns: Evidence from Czech and Latin
Hana Hledíková, Federica Gamba, Marketa Lopatkova and Jan Štěpánek

SAVI: Web-based Multilayered Semantic Annotation Validation Interface
Sashank Tatavolu, Soma Soma, Pratibha Rani and Sukhada Sukhada

Finding Meaning in Embeddings: Concept Separation Curves
Paul Keuren, Marc Ponsen and Robert Ayoub Bagheri

Monday, May 11, 2026 (continued)

Extracting First Order Logic formulas from graphical semantic representations

Rémi DE VERGNETTE, Vincent Tourneur and Maxime Amblard

Meaning Representations as Variational Quantum Circuits

Tilen Gaetano Limbäck-Stokin, Tanishka A. Birdavade, Kin Ian Lo and Mehrnoosh Sadrzadeh

Superframes: A Schema for Lexicon-free Frame-semantic Annotation

Kilian Evang

Monday, May 11, 2026

11:30–12:45 Shared Task Session: UMR Parsing

Room: Room #12

Chair: Dan Zeman

11:30–11:55 *First Shared Task on UMR Parsing*

Jan Štěpánek, Daniel Zeman, Marketa Lopatkova, Federica Gamba, Hana Hledíková and Nianwen Xue

11:55–12:15 *Orange @ UMR Parsing Shared Task*

Johannes Heinecke and Munshi Asadullah

12:15–12:35 *Sema System for the DMR 2026 Shared Task: Multistage UMR Parsing with Qwen3-4B*

Rémi DE VERGNETTE and Maxime Amblard

12:35–12:45 *Q&A / Discussion*

Monday, May 11, 2026

- 13:00–14:00** ***Lunch Break***
- 14:00–15:30 *Panel: The Role of Symbolic Representations in the Era of LLMs*
Moderator: James Pustejovsky; Panelists: Louise McNally, German Rigau, Jan Hajic, Susan Windisch Brown, Claire Bonial
- 15:30–15:55** **Oral Session 2**
Room: Room #12
Chair: Jan Stepanek
- 15:30–15:55 *Meaning Annotation Experience. A Tribute to Petr Sgall*
Marie Mikulová, Jan Štěpánek, Barbora Štěpánková, Jarmila Panevova and Eva Hajicova
- 16:00–16:30** ***Coffee Break***

Monday, May 11, 2026

- 16:30–17:20** **Oral Session 3**
Room: Room #12
Chair: Claire Benet Post
- 16:30–16:55 *Extending Uniform Meaning Representation to Persian: The First Corpus Resource*
Minoo Nassajian and Daniel Zeman
- 16:55–17:20 *Regression-Tested Compositional Semantics: A Graphical Development Environment for Glue and Description-by-Analysis*
Mark-Matthias Zymla and Kascha Kruschwitz
- 17:20–17:45** ***Open Discussion***
- 17:45–18:00** ***Closing Remarks***