

# Submission data for 2023 CORE conference ranking process European Association for Computational Linguistics

Eduard Hovy, Jonathan Kummerfeld, Massimo Piccardi, Reza Haffari, Sarvnaz Karimi, Diego Mollá Aliod

## **Introductory Questions**

#### Conference

Title: European Association for Computational Linguistics

Acronym: EACL

Rank: A

#### **Requested Rank**

Rank: A

#### **Conference Details**

Month: April

Publisher: Association for Computational Linguistics

Bi-annual: True

Odd or even years: True Multiconference: False

Component in a multi-conference or umbrella event: False

Colocated with other events: False

Alternative content: False

## **Proceedings Publishing Style**

Proceedings Publishing: self-contained

Link to most recent proceedings: https://aclanthology.org/events/eacl-2023/

Further details: EACL is one of the four top NLP conferences world-wide (alongside with ACL, EMNLP and NAACL; often collectively referred to as "\*ACL" in the community).

EACL does not run on a fixed periodical schedule, because it is only held when the main international conference – ACL – is not run in Europe. For this reason, its three most recent editions are 2023, 2021 and 2017 and I refer to those in this submission. (Jonathan Kummerfeld is preparing a "landscape document" about all the main conferences for the NLP community.)

EACL has been historically ranked as A in CORE and, as community representatives, we would be glad if it could retain it. In this submission round, we are concurrently arguing for an A\* ranking for EMNLP and NAACL (ACL already enjoys it), but we understand that each discipline should only have a limited number of A\*-ranked venues.

# **Most Recent Years**

#### **Most Recent Year**

Year: 2023

URL: https://2023.eacl.org/ Location: Dubrovnik, Croatia Papers submitted: 1166 Papers published: 281 Acceptance rate: 24

Source for numbers: https://aclanthology.org/2023.eacl-main.0.pdf

#### **General Chairs**

Name: Alessandro Moschitti Affiliation: Amazon Alexa Al, USA

Gender: M H Index: 55

GScholar url: https://scholar.google.com/citations?hl=en&user=vYUDlsEAAAAJ

DBLP url: https://dblp.org/pid/54/2140.html

# **Program Chairs**

Name: Isabelle Augenstein

Affiliation: University of Copenhagen, Denmark

Gender: F H Index: 32

 $GScholar\ url:\ \texttt{https://scholar.google.com/citations?user=DjJpOdcAAAAJ\&hl=en}$ 

DBLP url: https://dblp.org/pid/93/11424.html

Name: Andreas Vlachos

Affiliation: University of Cambridge, UK

Gender: M H Index: 38

GScholar url: https://scholar.google.com/citations?hl=en&user=XjWnyM4AAAAJ

DBLP url: https://dblp.org/pid/18/1071-1.html

#### **Second Most Recent Year**

Year: 2021

URL: https://2021.eacl.org/

Location: Online Papers submitted: 1400 Papers published: 326 Acceptance rate: 23

Source for numbers: https://aclanthology.org/2021.eacl-main.0.pdf

#### **General Chairs**

Name: Paola Merlo

Affiliation: University of Geneva, Switzerland

Gender: F H Index: 24

GScholar url: https://scholar.google.com/citations?hl=en&user=XI-2Nd8AAAAJ

DBLP url: https://dblp.org/pid/94/2907.html

# **Program Chairs**

Name: Reut Tsarfaty

Affiliation: Open University of Israel

Gender: F H Index: 22

GScholar url: https://scholar.google.com/citations?hl=en&user=0Eome9MAAAAJ

DBLP url: https://dblp.org/pid/21/3716.html

Name: Jörg Tiedemann Affiliation: University of Helsinki

Gender: M H Index: 51

 $GScholar\ url:\ https://scholar.google.com/citations?hl=en\&user=j6V-r0UAAAAJ$ 

DBLP url: https://dblp.org/pid/15/670.html

# Third Most Recent Year

Year: 2017

URL: https://eacl.org/conferences/

Location: Valencia, Spain Papers submitted: 943 Papers published: 239 Acceptance rate: 25

Source for numbers: https://aclanthology.org/E17-1000.pdf

### **General Chairs**

Name: Mirella Lapata

Affiliation: University of Edinburgh, UK

Gender: F H Index: 85

 $GScholar\ url:\ \texttt{https://scholar.google.com/citations?hl=en\&user=j67B9Q4AAAAJ}$ 

DBLP url: https://dblp.org/pid/59/6701.html

# **Program Chairs**

Name: Phil Blunsom

Affiliation: Oxford University, UK

Gender: M H Index: 55

GScholar url: https://scholar.google.com/citations?hl=en&user=eJwbbXEAAAAJ

DBLP url: https://dblp.org/pid/96/4705.html

Name: Alexander Koller

Affiliation: Saarland University, Germany

Gender: M H Index: 31

GScholar url: https://scholar.google.com/citations?hl=en&user=yni3K9wAAAAJ

DBLP url: https://dblp.org/pid/52/3406.html

#### **Policies**

Chair Selection: The EACL Board appoints the general chair for the conference, the programme committee co-chairs, and all other chairs (tutorial co-chairs, workshop co-chairs, etc.), except for the local arrangements chair.

From https://www.aclweb.org/portal/content/eacl-2024-call-expressions-interest-0

Policy name: ACL Code of Ethics

Policy url: https://www.aclweb.org/portal/content/acl-code-ethics

# **Program Committee**

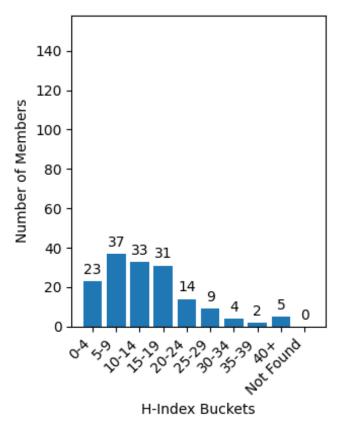
Link to pc: https://aclanthology.org/2023.eacl-main.0.pdf

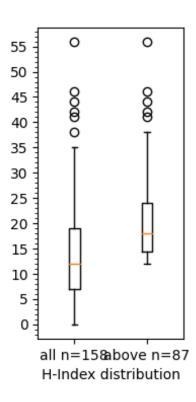
File: http://portal.core.edu.au/core/media/2023/pc\_members/EACL\_2023\_PC\_5CZZXsd.txt

H-index plot: http://portal.core.edu.au/core/media/2023/pc\_graphs/higherrank\_hindex\_buckets\_2220.png

Information contained within these graphs is derived using the Elsevier Scopus Database 2023.

Scopus h-index is generally about 30% lower than Google Scholar h-index.





# Publishing of established researchers in the PC

http://portal.core.edu.au/core/media/2023/conf\_submissions\_clean\_spc/higherrank2220\_spc\_report.csv WPP Report: http://portal.core.edu.au/core/media/2023/wpp\_reports/2WkPNv7a.txt

5. Conference of the European Chapter of the Association for Computational Linguistics (EACL) Core Rank: A

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This venue was published at 90 times by 45 of 75 individuals in the last 5+ years.

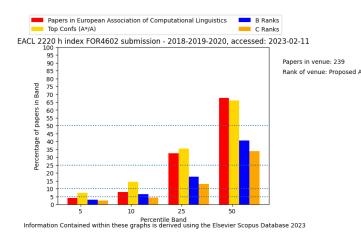
The individuals that publish at this venue are: Hiroya Takamura(6), Ekaterina Shutova(5), Andre Freitas(4), Chris Biemann(4), Maria Liakata(4), Mirella Lapata(4), Alexander Panchenko(3), Chenghua Lin(3), Desmond Elliott(3), Joakim Nivre(3), Jonathan Berant(3), Kalina Bontcheva(3), Pontus Stenetorp(3), Rico Sennrich(3), Anette Frank(2), Arkaitz Zubiaga(2), Debora Nozza(2), Florian Metze(2), Francois Yvon(2), Niranjan Balasubramanian(2), Omri Abend(2), Piji Li(2), Preslav Nakov(2), Roberto Navigli(2), Sara Tonelli(2), Shay B. Cohen(2), Siva Reddy(2), Svitlana Volkova(2), Wenhu Chen(2), Alla Rozovskaya(1), Annie Louis(1), Christopher Potts(1), Dan Goldwasser(1), David Vandyke(1), Douwe Kiela(1), Fei Xia(1), Marco Kuhlmann(1), Mikel Artetxe(1), Nikolaos Aletras(1), Radu Florian(1), Roi Reichart(1), Saif M. Mohammad(1), Shashi Narayan(1), Simon Razniewski(1), Yonatan Belinkov(1)

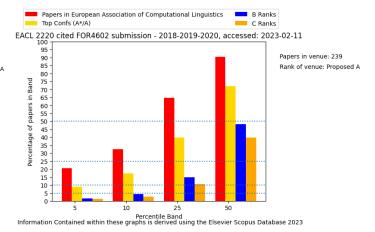
In 2021, there were 40 publications by 28 individuals: Alexander Panchenko, Alla Rozovskaya, Andre Freitas, Anette Frank, Chenghua Lin, Chris Biemann, Dan Goldwasser, David Vandyke, Debora Nozza, Desmond Elliott, Ekaterina Shutova, Florian Metze, Hiroya Takamura, Joakim Nivre, Jonathan Berant, Kalina Bontcheva, Maria Liakata, Mikel Artetxe, Mirella Lapata, Piji Li, Pontus Stenetorp, Radu Florian, Rico Sennrich, Roberto Navigli, Roi Reichart, Simon Razniewski, Svitlana Volkova, Yonatan Belinkov

In 2023, there were 50 publications by 34 individuals: Andre Freitas, Annie Louis, Arkaitz Zubiaga, Chenghua Lin, Chris Biemann, Christopher Potts, Debora Nozza, Desmond Elliott, Douwe Kiela, Ekaterina Shutova, Fei Xia, Florian Metze, Francois Yvon, Hiroya Takamura, Joakim Nivre, Jonathan Berant, Kalina Bontcheva, Marco Kuhlmann, Maria Liakata, Mirella Lapata, Nikolaos Aletras, Niranjan Balasubramanian, Omri Abend, Piji Li, Preslav Nakov, Rico Sennrich, Roberto Navigli, Saif M. Mohammad, Sara Tonelli, Shashi Narayan, Shay B. Cohen, Siva Reddy, Svitlana Volkova, Wenhu Chen

45 out of the 75 individuals published at this venue in 1 or more years 17 out of the 75 individuals published at this venue in 2 or more years

### Centile graphs of paper metrics





#### **Top People Involvement**

name: Mirella Lapata

h-index: 85

Google Scholar URL: https://scholar.google.com/citations?user=j67B9Q4AAAAJ&hl=en

Justification: A leading European and international NLP researcher. Recipient of a UKRI Turing AI World-Leading Researcher Fellowship. Recipient of a Royal Society Wolfson Research Merit Award. Multiple best paper awards in leading NLP conferences. Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 1            | 1                   | 3                  | 1                   | 0                  |

Attendance: Almost always (>80% of the time)

name: Eduard Hovy

h-index: 101

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=xMne5ZUAAAAJ

Justification: Famed NLP researcher, formerly a Research Professor at the Language Technologies Institute of Carnegie Mellon University. Presently, Director of Melbourne Connect at the University of Melbourne. Inaugural Fellow of the Association for Computational Linguistics (ACL). Fellow of the Association for the Advancement of Artificial Intelligence (AAAI). Paper counts:

| Most Recent: | t Recent:   Second most recent:   Third most recent:   Fourth most recent: |   | Fourth most recent: | t: Fifth most recent: |  |
|--------------|--|---|---------------------|-----------------------|--|
| 2            | 2  | 0 | 0                   | 0                     |  |

Attendance: Often (50-80% of the time)

name: Rada Mihalcea

h-index: 86

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=UetM7FgAAAAJ

Justification: AAAI Fellow, 2021 "for significant contributions to natural language processing and computational social science". ACM Fellow, 2019 "for contributions to natural language processing, with innovations in data-driven and graph-based language processing". Sarah Goddard Power Award, 2019. Carol Hollenshead Award, 2018. Presidential Early Career Award for Scientists and Engineers (PECASE), 2009 awarded by President Barack Obama.

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 1            | 0                   | 1                  | 1                   | 0                  |

Attendance: Sometimes (20-50% of the time)

name: Dan Roth h-index: 93

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=E-bpPWgAAAAJ

Justification: Eduardo D. Glandt Distinguished Professor of Computer and Information Science at the University of Pennsylvania. ACM Fellow. IJCAI John McCarthy Award. https://en.wikipedia.org/wiki/Dan\_Roth Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 3            | 4                   | 0                  | 2                   | 0                  |

Attendance: Often (50-80% of the time)

name: Luke Zettlemoyer

h-index: 88

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=Ujpb06IAAAAJ

Justification: Fellow of the Association for Computational Linguistics (ACL). Presidential Early Career Award for Scientists and Engineers (PECASE). Allen Distinguished Investigator. Multiple Best Paper Awards from the preeminent research conferences in NLP and adjacent fields.

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: | Ì |
|--------------|---------------------|--------------------|---------------------|--------------------|---|
| 0            | 1                   | 0                  | 0                   | 1                  |   |

Attendance: Sometimes (20-50% of the time)

name: Mark Steedman

h-index: 67

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=ccCd0\_YAAAAJ

Justification: Fellow of the British Academy (2002). Fellow of the Royal Society of Edinburgh (2002). AAAI Fellow (1993). President elect for 2008 of the Association for Computational Linguistics. Fellow of the Association for Computational Linguistics (2012).

https://en.wikipedia.org/wiki/Mark\_Steedman

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 0            | 0                   | 0                  | 2                   | 1                  |

Attendance: Often (50-80% of the time)

name: Jianfeng Gao

h-index: 99

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=CQ1cqKkAAAAJ

Justification: Leading NLP researcher in the area of conversational agents. ACM Distinguished Member 2020. ACM Senior Member

2009. IEEE Fellow. Test of Time Award Honorable Mentions, SIGIR 2020.

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 0            | 1                   | 0                  | 1                   | 0                  |

Attendance: Sometimes (20-50% of the time)

name: Timothy Baldwin

h-index: 68

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=wjBD1dkAAAAJ

Justification: Melbourne Laureate Professor. Current President of the Association for Computational Linguistics. Director, ARC Training Centre in Cognitive Computing for Medical Technologies. Eli Lilly Alumni Teaching Award. FACET All-University Teaching Award. Paper counts:

| Most Recent: | Second most recent: | nd most recent: Third most recent: Fourth most recent: |   | Fifth most recent: |  |
|--------------|---------------------|--|---|--------------------|--|
| 3            | 4                   | 0  | 3 | 1                  |  |

Attendance: Often (50-80% of the time)

name: Iryna Gurevych

h-index: 74

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=t3A39e8AAAAJ

Justification: First LOEWE-professorship in Hesse, Germany, 2021. Fellow of the Association for Computational Linguistics (ACL), 2020. Unstructured Information Analytics 2008 Innovation Award from IBM "DKPro-ML: An Open Source UIMA based Framework for Machine Learning", 2008. Unstructured Information Analytics 2008 Innovation Award from IBM "UIMA-based Fundamental Course for Teaching Emerging NLP Trends to Computer Science Students", 2008. UniTechSpin Special Award from Isra Vision "Semantic Information Management for Business Processes", 2008. Lichtenberg-Professorship Award from the Volkswagen Foundation, 2007. Emmy-Noether Researcher's Excellence Career Award, 2007.

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 4            | 2                   | 3                  | 1                   | 3                  |

Attendance: Almost always (>80% of the time)

name: Preslav Nakov

h-index: 68

Google Scholar URL: https://scholar.google.com/citations?hl=en&user=DfXsKZ4AAAAJ

Justification: 2020 Conference on Information and Knowledge Management, best paper award. 2011 RANLP 2011 Young Researcher Award. 2003 John Atanasov Presidential Award. https://en.wikipedia.org/wiki/Preslav\_Nakov.

Paper counts:

| Most Recent: | Second most recent: | Third most recent: | Fourth most recent: | Fifth most recent: |
|--------------|---------------------|--------------------|---------------------|--------------------|
| 2            | 0                   | 0                  | 0                   | 1                  |

Attendance: Sometimes (20-50% of the time)

#### Area Leaders publishing

Method of selection: I have searched the top cited researchers in natural language processing in Google Scholar (
https://scholar.google.com/citations?view\_op=search\_authors&mauthors=label:natural\_language\_processing). I have removed those from mainly other fields (e.g., physics, computer vision, speech processing, data mining). I have reordered them in descending h-index order.

Keyword: Natural language processing

| name                  | h-index | gscholar url  |
|-----------------------|---------|---|
| Christopher D Manning | 152     | https://scholar.google.com/citations?hl=en&user=1zmDOdwAAAAJ    |
| Andrew McCallum       | 117     | https://scholar.google.com/citations?hl=en&user=yILa1y0AAAAJ    |
| Dan Jurafsky          | 111     | https://scholar.google.com/citations?hl=en&user=uZg9158AAAAJ    |
| Jason Weston          | 108     | https://scholar.google.com/citations?hl=en&user=lMkTx0EAAAAJ    |
| Eduard Hovy           | 101     | https://scholar.google.com.au/citations?hl=en&user=xMne5ZUAAAAJ |
| Jianfeng Gao          | 99      | https://scholar.google.com/citations?hl=en&user=CQ1cqKkAAAAJ    |
| Noah A. Smith         | 94      | https://scholar.google.com/citations?hl=en&user=TjdFs3EAAAAJ    |
| Dan Roth              | 93      | https://scholar.google.com/citations?hl=en&user=E-bpPWgAAAAJ    |
| Luke Zettlemoyer      | 88      | https://scholar.google.com/citations?hl=en&user=UjpbO6IAAAAJ    |
| Rada Mihalcea         | 86      | https://scholar.google.com/citations?hl=en&user=UetM7FgAAAAJ    |
| Mirella Lapata        | 85      | https://scholar.google.com/citations?hl=en&user=j67B9Q4AAAAJ    |
| Richard Socher        | 83      | https://scholar.google.com/citations?hl=en&user=FaOcyfMAAAAJ    |
| Chris Dyer            | 80      | https://scholar.google.com/citations?hl=en&user=W2DsnAkAAAAJ    |
| Julia Hirschberg      | 79      | https://scholar.google.com/citations?hl=en&user=Qrd7FCoAAAAJ    |
| Maosong Sun           | 77      | https://scholar.google.com/citations?hl=en&user=zIgTOHMAAAAJ    |
| Zhiyuan Liu           | 74      | https://scholar.google.com/citations?hl=en&user=dTOv5uOAAAAJ    |
| Iryna Gurevych        | 74      | https://scholar.google.com/citations?hl=en&user=t3A39e8AAAAJ    |
| Marti A Hearst        | 74      | https://scholar.google.com.au/citations?hl=en&user=664NObOAAAAJ |
| Dragomir Radev        | 73      | https://scholar.google.com/citations?hl=en&user=vIqWvgwAAAAJ    |
| Hinrich Schütze       | 73      | https://scholar.google.com/citations?hl=en&user=qIL9dWUAAAAJ    |
| Graham Neubig         | 73      | https://scholar.google.com.au/citations?hl=en&user=wlosgkoAAAAJ |
| Timothy Baldwin       | 68      | https://scholar.google.com.au/citations?hl=en&user=wjBD1dkAAAAJ |
| Philipp Koehn         | 68      | https://scholar.google.com/citations?hl=en&user=OsIZgIYAAAAJ    |
| Preslav Nakov         | 68      | https://scholar.google.com.au/citations?hl=en&user=DfXsKZ4AAAAJ |
| Mark Steedman         | 66      | https://scholar.google.com.au/citations?hl=en&user=ccCd0_YAAAAJ |
| Mark Johnson          | 66      | https://scholar.google.com.au/citations?user=Z_kok3sAAAAJ&hl=en |
| Michael Collins       | 63      | https://scholar.google.com/citations?hl=en&user=DxoenfgAAAAJ    |
| Yoav Goldberg         | 63      | https://scholar.google.com/citations?hl=en&user=OrskDKgAAAAJ    |
| Trevor Cohn           | 53      | https://scholar.google.com.au/citations?hl=en&user=FCom398AAAAJ |
| Tomas Mikolov         | 51      | https://scholar.google.com/citations?hl=en&user=oBu8kMMAAAAJ    |

WPP Report: http://portal.core.edu.au/core/media/2023/wpp\_reports/Qlhrq1XA.txt

4. Conference of the European Chapter of the Association for Computational Linguistics (EACL) Core Bank: A

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This venue was published at 64 times by 21 of 26 individuals in the last 5+ years.

The individuals that publish at this venue are: Iryna Gurevych(8), Dan Roth(7), Trevor Cohn(7), Yoav Goldberg(6), Graham Neubig(5), Timothy Baldwin(5), Andrew McCallum(4), Eduard H. Hovy(4), Hinrich Schutze(4), Mirella Lapata(4), Dan Jurafsky(3), Preslav Nakov(2), Christopher D. Manning(1), Dragomir Radev(1), Jason Weston(1), Jianfeng Gao(1), Julia Hirschberg(1), Luke Zettlemoyer(1), Noah A. Smith(1), Philipp Koehn(1), Rada Mihalcea(1)

In 2021, there were 28 publications by 15 individuals: Andrew McCallum, Dan Roth, Eduard H. Hovy, Graham Neubig, Hinrich Schutze, Iryna Gurevych, Jason Weston, Jianfeng Gao, Julia Hirschberg, Luke Zettlemoyer, Mirella Lapata, Noah A. Smith, Timothy Baldwin, Trevor Cohn, Yoav Goldberg

In 2023, there were 36 publications by 15 individuals: Andrew McCallum, Christopher D. Manning, Dan Jurafsky, Dan Roth, Dragomir Radev, Eduard H. Hovy, Graham Neubig, Iryna Gurevych, Mirella Lapata, Philipp Koehn, Preslav Nakov, Rada Mihalcea, Timothy Baldwin, Trevor Cohn, Yoav Goldberg

21 out of the 26 individuals published at this venue in 1 or more years 9 out of the 26 individuals published at this venue in 2 or more years

#### **Additional Data**

## **Google Scholar Data**

Sub-category url: https://scholar.google.com.au/citations?view\_op=top\_venues&hl=en&vq=eng\_computationallinguistics Position in sub-category: 4

h5 index of 20th item in category: 26 h5 index for this conference: 62

#### Relationship to similar conferences

Partial ordering of similar conferences in the area, with argument as to where the current venue fits and why:

I apologise in advance for the inevitable degree of subjectivity. My ratings for conferences in NLP/computational linguistics are: "A\*":

ACL, EMNLP, NAACL "A": EACL (this), CoNLL, COLING, AACL (should be added in due course)

ACL, EMNLP, NAACL are comparable in size and scope. The goal of the international NLP research community is to have one of these conferences every year in North America, Europe and Asia. Jonathan Kummerfeld is providing an overall "landscape" document for the whole NLP field to accompany our individual submissions.

### Other Information

#### Other Relvant Info

Other relevant information: EACL is the flagship European conference in the fields of natural language processing and computational linguistics. It is very selective, with acceptance rates that have ranged from 23.3% to 26.1% in its last five editions (even without counting all the papers that have been desk-rejected or withdrawn).

EACL is one of the four top NLP conferences world-wide (alongside with ACL, EMNLP and NAACL; often collectively referred to as "\*ACL" in the community). It does not run on a fixed periodical schedule, because it is only held when the main international conference -ACL - is not run in Europe. For this reason, its three most recent editions are 2023, 2021 and 2017 and I have referred to those in this submission.

EACL has been historically ranked as A in CORE and, as community representatives, we would be glad if it could retain it. In this submission round, we are concurrently arguing for an A\* ranking for EMNLP and NAACL (ACL already enjoys it), but we understand that each discipline should only have a limited number of A\*-ranked venues.

#### **Attachments**

N/A

# **Proposers**

First name: Eduard Last name: Hovy

Affiliation: The University of Melbourne Email: eduard.hovy@unimelb.edu.au

First name: Jonathan Last name: Kummerfeld

Affiliation: The University of Sydney

Email: jonathan.kummerfeld@sydney.edu.au

First name: Massimo Last name: Piccardi

Affiliation: University of Technology Sydney Email: Massimo.Piccardi@uts.edu.au

First name: Reza Last name: Haffari

Affiliation: Monash University

Email: gholamreza.haffari@monash.edu

First name: Sarvnaz Last name: Karimi

Affiliation: CSIRO's Data61

Email: Sarvnaz.Karimi@data61.csiro.au

First name: Diego Last name: Mollá Aliod

Affiliation: Macquarie University Email: diego.molla-aliod@mq.edu.au

## **Submitted By**

Name: Piccardi Massimo

Email: massimo.piccardi@uts.edu.au