

INLG 2024

**The 17th International Natural Language Generation  
Conference: System Demonstrations**

**Proceedings of the System Demonstrations**

September 23 - 27, 2024

©2024 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](mailto:acl@aclweb.org)

ISBN 979-8-89176-123-0

## Preface

We are excited to present the Proceedings of the 17<sup>th</sup> International Natural Language Generation Conference (INLG 2024). This year's INLG takes place from September 23-27 in Tokyo, Japan and is organized by the National Institute of Advanced Industrial Science and Technology. We would like to thank the local organizing team led by Tatsuya Ishigaki; the conference would not be possible without their dedication and hard work.

The INLG conference is the main international forum for the presentation and discussion of research on Natural Language Generation (NLG). This year, we received 98 conference submissions (including 2 from ARR) and 7 demo paper submissions. After a peer review process, 38 long papers, 19 short papers, and 6 demos were accepted to the conference and are included in these proceedings. The accepted papers showcase the breadth of NLG research, including work on applications, such data-to-text tasks, machine translation, and summarization; language model evaluation; and many other topics of interest to the NLG community. We thank Chung-Chi Chen for serving as Publication Chair and preparing these proceedings.

We are also excited to present four keynotes, which will discuss enhancing reasoning capabilities in NLG systems, applications of NLG to creative writing, evaluation of language generation, and embodied NLG for autonomous robots. The keynote speakers are:

- Yulan He, King's College London, UK
- Mark Riedl, Georgia Institute of Technology, USA
- Kees van Deemter, Utrecht University, the Netherlands
- Koichiro Yoshino, Tokyo Institute of Technology, Japan

For the second year, INLG is hosting a Generation Challenge, a track of the main conference focused on developing shared tasks for NLG. The track is chaired by Simon Mille and Miruna Clinciu. This year, there are three challenges: long story generation, visually grounded story generation, and the Generation, Evaluation, and Metrics (GEM) benchmark.

Two workshops are co-located with the main conference: the 2nd Workshop on Practical LLM-assisted Data-to-Text Generation and the 2nd Workshop of AI Werewolf and Dialog System. INLG is also hosting a tutorial on Human Evaluation of NLP System Quality. We also thank Jing Li for serving as Workshop Chair for the conference.

Finally, would like to thank our generous sponsors:

- Gold sponsors: Denso IT Library and Fast Accounting Co., Ltd.
- Silver sponsors: Stockmark Inc., Recruit Co., Ltd., and the Artificial Intelligence Research Center (AIRC).
- Bronze sponsors: Association for Natural Language Processing

We would also like to express our gratitude to the Area Chairs and Program Committee members for their reviewing contributions, and to the SIGGEN representatives Raquel Hervás and Emiel van Miltenburg for sharing their expertise.

Your INLG 2024 program chairs,  
Saad Mahamood (lead), Nguyen Le Minh, and Daphne Ippolito



# Organizing Committee

## Program Chairs

Saad Mahamood (lead), trivago N.V.  
Nguyen Le Minh, Japan Advanced Institute of Science and Technology  
Daphne Ippolito, Carnegie Mellon University

## Generation Challenge Chairs

Simon Mille, ADAPT Research Centre, Dublin City University, Ireland  
Miruna Clinciu, Edinburgh Centre of Robotics

## Local Organization Committee

Tatsuya Ishigaki (lead), National Institute of Advanced Industrial Science and Technology  
Ayana Niwa, , Recruit Co., Ltd. / Megagon Labs  
Takashi Yamamura, Yamagata University  
Shun Tanaka, JX PRESS Corporation  
Yumi Hamazano, Hitachi, Ltd.  
Toshiki Kawamoto, Amazon  
Takato Yamazaki LY Corp. / SB Intuitions Corp.  
Hiroya Takamura, National Institute of Advanced Industrial Science and Technology  
Ichiro Kobayashi, Ochanomizu University

## SIGGEN Executives

Raquel Hervás (University Complutense of Madrid, Spain)  
Emielvan Miltenburg (Tilburg University, the Netherlands)

## Publication Chair

Chung-Chi Chen (National Institute of Advanced Industrial Science and Technology, Japan)

## Sponsor Chair

Ayana Niwa, Recruit Co., Ltd. / Megagon Labs

## Area Chairs

Albert Gatt, Utrecht University  
Chris van der Lee, Tilburg University  
Fahime Same, trivago N.V.  
João Sedoc, New York University  
Michael White, Ohio State University  
Natalie Schluter, Apple  
Ondrej Dusek, Charles University  
Rudali Huidrom, ADAPT Centre  
Samira Shaikh, University of North Carolina  
Suma Bhat, University of Illinois at Urbana-Champaign  
Wei-Yun Ma, Academia Sinica

## Program Committee

Adarsa Sivaprasad, University of Aberdeen  
Alberto Bugaráin-Diz, University of Santiago de Compostela  
Aleksandre Maskharashvili, Ohio State University  
Alessandro Mazzei, University of Turin  
Alyssa Allen, Ohio State University

Anastasia Shimorina, Orange  
Antonio Valerio Miceli Barone, University of Edinburgh  
Antonis Antoniadis, University of California, Santa Barbara  
Anya Belz, Adapt Centre  
Asad Sayeed, University of Gothenburg  
Ashley Lewis, Ohio State University  
Balaji Vasan Srinivasan, Adobe  
Bohao Yang, University of Sheffield  
Brian Davis, Adapt Centre  
C. Maria Keet, University of Cape Town  
Chris van der Lee, Tilburg University  
Christina Niklaus, University of St. Gallen  
Craig Thomson, University of Aberdeen  
Daniel Braun, University of Twente  
Daniel Paiva, Arria NLG  
Daniel Sanchez, University of Granada  
David M. Howcroft, Edinburgh Napier University  
David McDonald, Smart Information Flow Technologies  
Di Wang, King Abdullah University of Science and Technology  
Eduardo Calò, Utrecht University  
Ehud Reiter, University of Aberdeen  
Elizabeth Clark, Google  
Emiel Kraemer, Tilburg University  
Emiel van Miltenburg, Tilburg University  
Gonzalo Mendez, Complutense University of Madrid  
Gordon Briggs, U.S. Naval Research Laboratory  
Guanyi Chen, Utrecht University  
Guy Lapalme, University of Montreal  
Hiroya Takamura, National Institute of Advanced Industrial Science and Technology (AIST)  
Hugo Contant, Carnegie Mellon University  
Ingrid Zukerman, Monash University  
Jan Trienes, University of Marburg  
Jennifer Biggs, Defence Science and Technology Group  
Judith Sieker, University of Bielefeld  
Kathleen McCoy, University of Delaware  
Kees van Deemter, Universiteit Utrecht  
Kei Harada, University of Electro-Communications  
Kim Gerdes, Université Paris Saclay  
Kristina Striegnitz, Union College  
Lara Martin, University of Maryland  
Lea Krause, Vrije Universiteit  
Maciej Zembrzuski, Huawei  
Maja Popović, IU International University of Applied Sciences  
Maja Stahl, Leibniz Universität Hannover  
Marc Tanti, University of Malta  
Mariet Theune, University of Twente  
Mark Steedman, University of Edinburgh  
Martijn Goudbeek, Tilburg University  
Mary-Jane Antia, University of Capetown  
Mayank Jobanputra, Saarland University  
Michela Lorandi, Dublin City University

Michimasa Inaba, University of Electro-Communications  
Mihir Kale, Google  
Mika Hämäläinen, Metropolia University of Applied Sciences  
Miriam Anschütz, Technische Universität München  
Miruna Clinciu, Edinburgh Centre of Robotics,  
Nadjet Bouayad-Agha, Universitat Oberta de Catalunya,  
Nikolai Ilinykh, Göteborgs Universitet  
Nina Dethlefs University of Hull  
Pablo Duboue  
Patricia Schmidtova, Charles University  
Paul Youssef, Phillips-Universität Marburg  
Philipp Sadler, University of Potsdam  
Qingyun Wang, University of Illinois  
Raquel Hervas, Complutense University of Madrid  
Reno Kriz, Johns Hopkins University  
Robert Weißgraeber, AX Semantics  
Rodrigo de Oliveira, IQVIA  
Rudali Huidrom, Adapt Centre  
Ryo Nagata, Hyogo University of Teacher Education  
Sadid A. Hasan, Microsoft  
Simeon Junker, Universität Bielefeld  
Simon Mille, Adapy Centre  
Simone Balloccu, Charles University  
Sina Zarriß, University of Bielefeld  
Somayajulu Sripada, University of Aberdeen  
Steffen Pauws, Tilburg University  
Suraj Pandey  
Symon Stevens-Guille, The Ohio State University  
Thiago Castro Ferreira, Federal University of Minas Gerais  
Toky Raboanary, University of Cape Town  
Valerio Basile, University of Turin  
Van Bach Nguyen, University of Marburg  
Wanzheng Zhu, Google  
Wei-Yun Ma, Academia Sinica  
Wenhu Chen, University of Waterloo  
Xiangru Tang, Yale University  
Xinnuo Xu, University of Edinburgh  
Yanzhou Pan  
Yingjin Song, Utrecht University  
Yinhe Zheng, Tsinghua University  
Yizhi Li, University of Manchester  
Yoshinobu Kano, Shizuoka University  
Zola Mahlaza, University of Cape Town





## Table of Contents

<i>Be My Mate: Simulating Virtual Students for collaboration using Large Language Models</i> Sergi Solera-Monforte, Pablo Arnau-González and Miguel Arevalillo-Herráez .....	1
<i>MTSwitch: A Web-based System for Translation between Molecules and Texts</i> Nijia Han, Zimu Wang, Yuqi Wang, Haiyang Zhang, Daiyun Huang and Wei Wang .....	4
<i>VideoRAG: Scaling the context size and relevance for video question-answering</i> Shivprasad Rajendra Sagare, Prashant Ullegaddi, Nachiketh K S, Navanith R, Kinshuk Sarabhai and Rajesh Kumar S A .....	7
<i>QCET: An Interactive Taxonomy of Quality Criteria for Comparable and Repeatable Evaluation of NLP Systems</i> Anya Belz, Simon Mille, Craig Thomson and Rudali Huidrom .....	9
<i>factgenie: A Framework for Span-based Evaluation of Generated Texts</i> Zdeněk Kasner, Ondrej Platek, Patricia Schmidtova, Simone Balloccu and Ondrej Dusek .....	13
<i>Filling Gaps in Wikipedia: Leveraging Data-to-Text Generation to Improve Encyclopedic Coverage of Underrepresented Groups</i> Simon Mille, Massimiliano Pronesti, Craig Thomson, Michela Lorandi, Sophie Fitzpatrick, Rudali Huidrom, Mohammed Sabry, Amy O’Riordan and Anya Belz .....	16

