

MONDAY 5/11

08.30 - 09.00 Registration at Tilburg University campus

09.00 - 10.30 Workshop 1-3 (in parallel):

1) 3rd Workshop on Computational Creativity in Language Generation
(CC-NLG 2018)

2) Workshop on Intelligent Interactive Systems and Language Generation
(2IS&NLG)

10.45 - 11.30 Coffee/Tea Break

11.30 - 12.30 Workshop 1-3

12.30 - 13.30 Lunch

14.00 - 15.00 Registration at Willem II stadium

15.00 - 15.15 Opening of INLG 2018

15.15 - 16.15 **Tutorial Yoav Goldberg - Neural Natural Language Generation (part 1)**

16.15 - 16.30 Short Coffee/Tea break

16.30 - 17.30 **Tutorial Yoav Goldberg - Neural Natural Language Generation (part 2)**

17.30 - 19.00 Welcome reception with drinks

TUESDAY 6/11

08.30 - 09.00 Registration

09.00 - 09.05 Brief word of welcome

09.05 - 10.45 Oral Session I: Knowledge Representation and Text Generation

09.05 - 09.25 Deep Graph Convolutional Encoders for Structured Data to Text Generation — Diego Marcheggiani and Laura Perez-Beltrachini

09.25 - 09.45 Describing a Knowledge Base — Qingyun Wang, Xiaoman Pan, Lifu Huang, Boliang Zhang, Zhiying Jiang, Heng Ji and Kevin Knight

09.45 - 10.05 Syntactic Manipulation for Generating more Diverse and Interesting Texts — Jan Milan Deriu and Mark Cieliebak

10.05 - 10.25 Automated learning of templates for data-to-text generation: comparing rule-based, statistical and neural methods — Chris van der Lee, Emiel Krahmer and Sander Wubben

10.25 - 10.45 End-to-End Content and Plan Selection for Data-to-Text Generation — Sebastian Gehrmann, Falcon Dai, Henry Elder and Alexander Rush

10.45 - 11.15 Coffee/Tea Break

11.15 - 12.15 Keynote Piek Vossen - Don't believe everything you see, hear or read: A theory of mind that drives Robot-Human communication

12.15 - 12.30 Introduction Hackathon - Yayi Sripada

12.30 - 14.30 Poster and demo session (1) including lunch

14.30 - 15.30 Oral Session II: Syntactic Realization

14.30 - 14.50 Sequence-to-Sequence Models for Data-to-Text Natural Language Generation: Word- vs. Character-based Processing and Output Diversity — Glorianna Jagfeld, Sabrina Beer and Ngoc Thang Vu

14.50 - 15.10 LSTM Hypertagging — Reid Fu and Michael White

15.10 - 15.30 Underspecified Universal Dependency Structures as Inputs for Multilingual Surface Realisation — Simon Mille, Anja Belz and Leo Wanner

15.30 - 16.00 Coffee/Tea Break

16.00 - 17.00 Oral Session III: Applications of Automatic Text Generation

16.00 - 16.20 Generating E-Commerce Product Titles and Predicting their Quality — José G. C. de Souza, Michael Kozielski, Prashant Mathur, Ernie Chang, Marco Guerini, Matteo Negri, Marco Turchi and Evgeny Matusov

16.20 - 16.40 Designing and testing the messages produced by a virtual dietitian — Luca Anselma and Alessandro Mazzei

16.40 - 17.00 Generation of Company descriptions using concept-to-text and text-to-text deep models: dataset collection and systems evaluation — Raheel Qader, Khoder Jneid, François Portet and Cyril Labbe

18.00 - 20.00 Social event

WEDNESDAY 7/11

08.30 - 09.00 Registration

09.00 - 10.40 **Oral Session IV: Question and Dialogue**

09.00 - 09.20 Automatically Generating Questions about Novel Metaphors in Literature — Natalie Parde and Rodney Nielsen

09.20 - 09.40 A Master-Apprentice Approach to Automatic Creation of Cultural Satire — Khalid Alnajjar and Mika Hämäläinen

09.40 - 10.00 Can Neural Generators for Dialogue Learn Sentence Planning and Discourse Structuring? — Lena Reed, Shereen Oraby and Marilyn Walker

10.00 - 10.20 Neural Generation of Diverse Questions using Answer Focus, Contextual and Linguistic Features — Vrindavan Harrison and Marilyn Walker

10.20 - 10.40 Evaluation methodologies in Automatic Question Generation 2013-2018 — Jacopo Amidei, Paul Piwek and Alistair Willis

10.40 - 11.15 Coffee/Tea Break

11.15 - 12.30 **Generation Challenges**

11.15 - 11.35 New proposal: The TL;DR challenge - Shahbaz Syed, Michael Völske, Martin Potthast, Nedim Lipka, Benno Stein and Hinrich Schütze

11.35 - 11.55 Report on the Multilingual Surface Realization Challenge - Simon Mille

11.55 - 12.15 Findings of the E2E NLG Challenge — Ondřej Dušek, Jekaterina Novikova and Verena Rieser

12.15 - 12.30 Studio for Students: Sponsor Presentation Arria — Yaji Sripada and Ehud Reiter

12.30 - 14.30 **Poster and demo session (2) including lunch [including E2E posters]**

14.30 - 15.30 **Keynote Lillian Lee - Analyzing phrasing effects via found conversations: "Parallel universes" in movies, Twitter, and ChangeMyView**

15.30 - 16.00 Coffee/Tea Break

16.00 - 17.00 **Oral Session V: Referring Expression Generation**

16.00 - 16.20 Statistical NLG for Generating the Content and Form of Referring Expressions — Xiao Li, Kees van Deemter and Chenghua Lin

16.20 - 16.40 Specificity measures and reference — Albert Gatt, Nicolás Marín, Gustavo Rivas-Gervilla and Daniél Sánchez

16.40 - 17.00 Decoding Strategies for Neural Referring Expression Generation — Sina Zarrieß and David Schlangen

18.30 – 23.00 Conference Dinner

THURSDAY 8/11

08.30 - 09.00 Registration at Tilburg University campus

09.00 - 10.30 Workshops 4 & 5 and Hackathon in parallel

4) Workshop on Natural Language Generation for Human–Robot Interaction

5) Workshop on Text adaptation

Hackathon

10.30 - 11.00 Coffee/Tea Break

11.00 - 12.30 Workshops 4 & 5 and Hackathon in parallel

12.30 - 13.30 Lunch

13.30 - 15.00 Workshops 4 and Hackathon in parallel

15.00 - 15.30 Coffee/Tea Break

15.30 – 17.00 Workshops 4 and Hackathon in parallel

17.00 End of conference, workshops and hackathon

Poster Session 1: Tuesday 6/11, 12.30 - 14.30

1. SimpleNLG-ZH: a Linguistic Realisation Engine for Mandarin — Guanyi Chen, Kees van Deemter and Chenghua Lin
2. Adapting SimpleNLG to Galician language — Andrea Cascallar Fuentes, Alejandro Ramos Soto and Alberto Bugarín Diz
3. Going Dutch: Creating SimpleNLG-NL — Ruud de Jong and Mariët Theune
4. Learning to Flip the Bias of News Headlines — Wei-Fan Chen, Henning Wachsmuth, Khalid Al Khatib and Benno Stein
5. Stylistically User-Specific Generation — Abdurrisyad Fikri, Hiroya Takamura and Manabu Okumura
6. Explainable Autonomy: A Study of Explanation Styles for Building Clear Mental Models
Francisco J. Chiyah Garcia, David A. Robb, Xingkun Liu, Atanas Laskov, Pedro Patron and Helen Hastie
7. Treat the system like a human student: Automatic naturalness evaluation of generated text without reference texts — Isabel Groves, Ye Tian and Ioannis Douratsos
8. Content Aware Source Code Change Description Generation — Pablo Loyola, Edison Marrese-Taylor, Jorge Balazs, Yutaka Matsuo and Fumiko Satoh
9. Improving Context Modelling in Multimodal Dialogue Generation — Shubham Agarwal, Ondřej Dušek, Ioannis Konstas and Verena Rieser
10. Generating Market Comments Referring to External Resources — Tatsuya Aoki, Akira Miyazawa, Kasumi Aoki, Keiichi Goshima, Tatsuya Ishigaki, Ichiro Kobayashi, Hiroya Takamura and Yusuke Miyao
11. SpatialVOC2K: A Multilingual Dataset of Images with Annotations and Features for Spatial Relations between Objects — Anja Belz and Adrian Muscat
12. Adding the Third Dimension to Spatial Relation Detection in 2D Images — Brandon Birmingham, Adrian Muscat and Anja Belz
13. Automatic Opinion Question Generation — Yllias Chali and Tina Baghaee
14. Modelling Pro-drop with the Rational Speech Acts Model — Guanyi Chen, Kees van Deemter and Chenghua Lin
15. Self-Learning Architecture for Natural Language Generation — Hyungtak Choi, Siddarth KM, Haehun Yang, Heesik Jeon, Inchul Hwang and Jihie Kim
16. Enriching the WebNLG corpus — Thiago Castro Ferreira, Diego Moussallem, Emiel Kraemer and Sander Wubben
17. Towards making NLG a voice for interpretable Machine Learning — James Forrest, Somayajulu Sripada, Wei Pang and George Coghill
18. Template-based multilingual football reports generation using Wikidata as a knowledge base — Lorenzo Gatti, Chris van der Lee and Mariët Theune

Demo Session 1 Tuesday 6/11, 12.30 - 14.30

1. Poem Machine - a Co-creative NLG Web Application for Poem Writing — Mika Hämäläinen
2. Japanese Advertising Slogan Generator using Case Frame and Word Vector — Kango Iwama and Yoshinobu Kano

Poster Session 2 Wednesday 7/11, 12.30 - 14.30

1. Adapting Descriptions of People to the Point of View of a Moving Observer — Gonzalo Méndez, Raquel Hervas, Pablo Gervás, Ricardo de la Rosa and Daniel Ruiz
2. BENGAL: An Automatic Benchmark Generator for Entity Recognition and Linking — Axel Ngonga, Michael Röder, Diego Moussallem, Ricardo Usbeck and René Speck
3. Sentence Packaging in Text Generation from Semantic Graphs as a Community Detection Problem — Alexander Shvets, Simon Mille and Leo Wanner
4. Handling Rare Items in Data-to-Text Generation — Anastasia Shimorina and Claire Gardent
5. Comprehension Driven Document Planning in Natural Language Generation Systems — Craig Thomson, Ehud Reiter and Somayajulu Sripada
6. Adapting Neural Single-Document Summarization Model for Abstractive Multi-Document Summarization: A Pilot Study — Jianmin Zhang, Jiwei Tan and Xiaojun Wan
7. Toward Bayesian Synchronous Tree Substitution Grammars for Sentence Planning — David M. Howcroft, Dietrich Klakow and Vera Demberg
8. The Task Matters: Comparing Image Captioning and Task-Based Dialogical Image Description — Nikolai Ilinykh, Sina Zarrieß and David Schlangen
9. Generating Summaries of Sets of Consumer Products: Learning from Experiments — Kittipitch Kuptavanich, Ehud Reiter, Kees van Deemter and Advait Siddharthan
10. Neural sentence generation from formal semantics — Kana Manome, Masashi Yoshikawa, Hitomi Yanaka, Pascual Martínez-Gómez, Koji Mineshima and Daisuke Bekki
11. Talking about other people: an endless range of possibilities — Emiel van Miltenburg, Desmond Elliott and Piek Vossen
12. Meteorologists and Students: A resource for language grounding of geographical descriptors — Alejandro Ramos Soto, Ehud Reiter, Kees van Deemter, Jose Alonso and Albert Gatt
13. Cyclegen: Cyclic consistency based product review generator from attributes — Vasu Sharma, Harsh Sharma, Ankita Bishnu and Labhesh Patel
14. Neural Transition-based Syntactic Linearization — Linfeng Song, Yue Zhang and Daniel Gildea
15. Automatic Evaluation of Neural Personality-based Chatbots — Yujie Xing and Raquel Fernández
16. **[E2E]** Characterizing Variation in Crowd-Sourced Data for Training Neural Language Generators to Produce Stylistically Varied Outputs — Juraj Juraska and Marilyn Walker

17. **[E2E]** Char2char Generation with Reranking for the E2E NLG Challenge — Shubham Agarwal, Marc Dymetman and Eric Gaussier
18. **[E2E]** E2E NLG Challenge Submission: Towards Controllable Generation of Diverse Natural Language — Henry Elder, Sebastian Gehrmann, Alexander O'Connor and Qun Liu
19. **[E2E]** E2E NLG Challenge: Neural Models vs. Templates — Yevgeniy Puzikov and Iryna Gurevych
20. **[E2E]** The E2E NLG Challenge: A Tale of Two Systems — Frank Schilder, Charese Smiley, Elnaz Davoodi and Dezhao Song

Demo Session 2 Wednesday 7/11, 12.30 - 14.30

1. Interactive health insight miner: an adaptive, semantic-based approach — Isabel Funke, Rim Helaoui and Aki Harma
2. Multi-Language Surface Realisation as REST API based NLG Microservice — Andreas Madsack, Johanna Heiningner, Nyamsuren Davaasambuu, Vitaliia Voronik, Michael Käufel and Robert Weißgraeber