SIGDIAL 2025 Main Program

SIGdial

SIGDIAL 25 Conference
Research in Dialogue and Discourse
Aug 25-27 2025, Avignon, FRANCE

DAY-1: Monday, August 25

9:50-10:20 Opening

10:20-11:40 Oral session 1: Discourse (4 slots)
- **Investigating Co-Constructive Behavior of Large Language Models in Explanation Dialogues**
  Leandra Fichtel, Maximilian Spliethöver, Eyke Hüllermeier, Patricia Jimenez, Nils Klowait, Stefan Kopp, Axel-Cyrille Ngonga Ngomo, Amelie Robrecht, Ingrid Scharlau, Lutz Terfloth, Anna-Lisa Vollmer and Henning Wachsmuth
- **Modeling Turn-Taking Speed and Speaker Characteristics**
  Kazuyo Onishi, Hien Ohnaka and Koichiro Yoshino
- **Zero-Shot Evaluation of Conversational Language Competence in Data-Efficient LLMs Across English, Mandarin, and French**
  Sheng-Fu Wang, Ri-Sheng Huang, Shu-Kai HSIEH and Laurent Prévot
- **Multi-Lingual Implicit Discourse Relation Recognition with Multi-Label Hierarchical Learning**
  Nelson Filipe Costa and Leila Kosseim

11:40-13:00 Lunch in the garden

13:00-14:20 Oral session 2: Task-oriented Dialogue (4 slots)
- **clem:todd: A Framework for the Systematic Benchmarking of LLM-Based Task-Oriented Dialogue System Realisations**
  Kranti Chalamalasetti, Sherzod Hakimov and David Schlangen
- **PyTOD: Programmable Task-Oriented Dialogue with Execution Feedback**
  Alexandru Coca, Bo-Hsiang Tseng, Peter Boothroyd, Jianpeng Cheng, Zhenxing Zhang, Mark Gaynor, Joe Stacey, Tristan Guigue, Héctor Martínez Alonso, Diarmuid Ó Séaghdha and Anders Johannsen
- **TD-EVAL: Revisiting Task-Oriented Dialogue Evaluation by Combining Turn-Level Precision with Dialogue-Level Comparisons**
  Emre Can Acikgoz, Carl Guo, Suvodip Dey, Akul Datta, Takyoung Kim, Gokhan Tur and Dilek Hakkani-Tur
- **Spec-TOD: A Specialized Instruction-Tuned LLM Framework for Efficient Task-Oriented Dialogue Systems**
  Vinh Quang Nguyen, Nguyen Quang Chieu, Hoang Viet Pham and Khac-Hoai Nam Bui

14:20-15:00 Coffee break

15:00-17:00 Poster & Demo session 1 (19 slots)
- **Prompt-Guided Turn-Taking Prediction**
  Koji Inoue, Mikey Elmers, Yahui Fu, Zi Haur Pang, Divesh Lala, Keiko Ochi and Tatsuya Kawahara

- **Speech-Integrated Modeling for Behavioral Coding in Counseling**
  Do June Min, Verónica Pérez-Rosas, Kenneth Resnicow and Rada Mihalcea
- **When a Dialog becomes a Monologue: A debate on custom-made literature with generative AI**
  Maja Tabea Jerrentrup and Martin F. Villalba
- **Analyzing Dialogue System Behavior in a Specific Situation Requiring Interpersonal Consideration**
  Tetsuro Takahashi, Hirofumi Kikuchi, Jie Yang, Hiroyuki Nishikawa, Masato Komuro, Ryosaku Makino, Shiki Sato, Yuta Sasaki, Shinji Iwata, Asahi Hentona, Takato Yamazaki, Shoji Moriya, Masaya Ohagi, Zhiyang Qi, Takashi Kodama, Akinobu Lee, Takashi Minato, Kurima Sakai, Tomo Funayama, Kotaro Funakoshi, Mayumi Usami, Michimasa Inaba and Ryuichiro Higashinaka
- **Synthetic Data Augmentation for Cross-domain Implicit Discourse Relation Recognition**
  Frances Yung, Varsha Suresh, Zaynab Reza, Mansoor Ahmad and Vera Demberg
- **Segmenting a Large French Meeting Corpus into Elementary Discourse Units**
  Laurent Prévot, Roxane Bertrand and Julie Hunter
- **How Stylistic Similarity Shapes Preferences in Dialogue Dataset with User and Third Party Evaluations**
  Ikumi Numaya, Shoji Moriya, Shiki Sato, Reina Akama and Jun Suzuki
- **LLMs stick to the point, humans to style: Semantic and Stylistic Alignment in Human and LLM Communication**
  Noé Durandard, Saurabh Dhawan and Thierry Poibeau
- **A Topicality-Driven QUD Model for Discourse Processing**
  Yingxue Fu, Mark-Jan Nederhof and Anais Ollagnier
- **A Multi-Task and Multi-Label Classification Model for Implicit Discourse Relation Recognition**
  Nelson Filipe Costa and Leila Kosseim
- **A Multi-Layered Annotation Protocol for Polyadic Conversation: Structuring Interactional Data in the GaMMA Corpus**
  Mark Dourado, Frej Spangsberg Lorenzen, Jesper Udesen, Henrik Gert Hassager and Stefania Serafin
- **Early Humorous Interaction: towards a formal model**
  Yingqin Hu, Jonathan Ginzburg and Catherine Pelachaud
- **Transition Relevance Point Detection for Spoken Dialogue Systems with Self-Attention Transformer**
  Kouki Miyazawa and Yoshinao Sato
- **Identification and Analysis of Identity-Centric Elements of Character-Likeness in Game Scenario**
  Shinji Iwata, Koya Ihara, Shiki Sato, Jun Baba, Asahi Hentona, Masahiro Yamazaki, Yuki Shiotsuka, Takahiro Ishizue and Akifumi Yoshimoto
- **A Linguistically-Inspired Approach to the Evaluation of Spoken Language Features in Conversational Models**
  Oussama Silem, Maïwenn Fleig, Philippe Blache, Houda Oufaida and Leonor Becerra-Bonache
- **DIMSUM: Discourse in Mathematical Reasoning as a Supervision Module**
  Krish Sharma, Niyar R. Barman, Akshay Chaturvedi and Nicholas Asher
- **Improving LLMs' Learning of Coreference Resolution**
  Yujian Gan, Yuan Liang, Yanni Lin, Juntao Yu and Massimo Poesio
- **Exploring Design of Multi-Agent LLM Dialogues for Research Ideation**
  Keisuke Ueda, Wataru Hirota, Kosuke Takahashi, Takahiro Omi, Kosuke Arima and Tatsuya Ishigaki
- **[Demo] EmoNews: A Spoken Dialogue System for Expressive News Conversations**
  Ryuki Matsuura, Shikhar Bharadwaj, Jiarui Liu and Dhatchinamoorthi Kunde Govindarajan

17:00-18:00 Keynote 1: **Are there purely multi-turn "dialog failures"? by Chris Welty**

18:00-20:00 Welcome Reception "Le cloître", Avignon Université. Démo of Mirokai by ERM

DAY-2: Tuesday, August 26

9:00-10:20 Oral session 3: Persona (4 slots)
- **Distilling Empathy from Large Language Models**
  Henry J. Xie, Jinghan Zhang, Xinhao Zhang and Kunpeng Liu
- **RaPSIL: A Preference-Guided Interview Agent for Rapport-Aware Self-Disclosure**
  Kenta Hama, Atsushi Otsuka, Masahiro Mizukami, Hiroaki Sugiyama and Makoto Naka
- **Learning to Speak Like a Child: Reinforcing and Evaluating a Child-level Generative Language Model**
  Enoch Levandovsky, Anna Manaseryan and Casey Kennington
- **Beyond Simple Personas: Evaluating LLMs and Relevance Models for Character-Consistent Dialogue**
  Debaditya Pal and David Traum

10:20-10:40 Coffee break

10:40-11:40 Keynote 2: **Interactive Task Learning by Alex Lascarides**

11:40-13:00 Lunch in the garden

13:00-14:00 Oral session 4: ML (3 slots)
- **DiaTool-DPO: Multi-Turn Direct Preference Optimization for Tool-Augmented Large Language Models**
  Sunghee Jung, Donghun Lee, Shinbok Lee, Gaeun Seo, Daniel Lee, Byeongil Ko, Junrae Cho, Kihyun Kim, EungGyun Kim and Myeongcheol Shin
- **EMORL: Ensemble Multi-Objective Reinforcement Learning for Efficient and Flexible LLM Fine-Tuning**
  Lingxiao Kong, Cong Yang, Susanne Neufang, Oya Deniz Beyan and Zeyd Boukhers
- **Learning to Ask Efficiently in Dialogue: Reinforcement Learning Extensions for Stream-based Active Learning**
  Issei Waki, Ryu Takeda and Kazunori Komatani

14:00-15:00 Oral session 5: Multimodal (3 slots)
- **Human Capital Visualization using Speech Amount during Meetings**
  Ekai Hashimoto, Kohei Nagira, Takeshi Mizumoto and Shun Shiramatsu
- **Key Challenges in Multimodal Task-Oriented Dialogue Systems: Insights from a Large Competition-Based Dataset**
  Shiki Sato, Shinji Iwata, Asahi Hentona, Yuta Sasaki, Takato Yamazaki, Shoji Moriya, Masaya Ohagi, Hirofumi Kikuchi, Jie Yang, Zhiyang Qi, Takashi Kodama, Akinobu Lee, Masato Komuro, Hiroyuki Nishikawa, Ryosaku Makino, Takashi Minato, Kurima Sakai, Tomo Funayama, Kotaro Funakoshi, Mayumi Usami, Michimasa Inaba, Tetsuro Takahashi and Ryuichiro Higashinaka
- **Exploring Factors Influencing Hospitality in Mobile Robot Guidance: A Wizard-of-Oz Study with a Teleoperated Humanoid Robot**
  Ao Guo, Shota Mochizuki, Sanae Yamashita, Saya Nikaido, Tomoko Isomura and Ryuichiro Higashinaka

15:00-15:30 Coffee break

15:30-17:30 Poster & Demo session 2 (16 slots)
- **ClickAgent: Enhancing UI Location Capabilities of Autonomous Agents**
  Jakub Hoscilowicz and Artur Janicki
- **Exploring the Limits of Model Compression in LLMs: A Knowledge Distillation Study on QA Tasks**
  Joyeeta Datta, Niclas Doll, Qusai Ramadan and Zeyd Boukhers
- **On Speakers' Identities, Autism Self-Disclosures and LLM-Powered Robots**
  Sviatlana Hoehn, Fred Philippy and Elisabeth Andre
- **Intent Recognition and Out-of-Scope Detection using LLMs in Multi-party Conversations**
  Galo Castillo-López, Gael de Chalendar and Nasredine Semmar
- **Retrieving Relevant Knowledge Subgraphs for Task-Oriented Dialogue**
  Nicholas Thomas Walker, Pierre Lison, Laetitia Hilgendorf, Nicolas Wagner and Stefan Ultes
- **Towards conversational assistants for health applications: using ChatGPT to generate conversations about heart failure**

Anuja Tayal, Devika Salunke, Barbara Di Eugenio, Paula Allen-Meares, Eulalia Puig Abril, Olga Garcia-Bedoya, Carolyn Dickens and Andrew Boyd

- **Dialogue Scaffolding: Producing a Realistic Corpus of Human-Computer Open-Domain Dialogues Using a Spoken Dialogue System and ChatGPT**
  Kevin Bowden and Marilyn Walker
- **Multi-step or Direct: A Proactive Life-support System Based on Commonsense Reasoning**
  Konosuke Yamasaki, Shohei Tanaka, Akishige Yuguchi, Seiya Kawano and Koichiro Yoshino
- **Role of Reasoning in LLM Enjoyment Detection: Evaluation Across Conversational Levels for Human-Robot Interaction**
  Lubos Marcinek, Bahar Irfan, Gabriel Skantze, Andre Pereira and Joakim Gustafsson
- **Integrating Physiological, Speech, and Textual Information Toward Real-Time Recognition of Emotional Valence in Dialogue**
  Jingjing Jiang, Ao Guo and Ryuichiro Higashinaka
- **Prompt-based Language Generation for Complex Conversational Coaching Tasks across Languages**
  Alain Vazquez Risco and Maria Ines Torres
- **DocCHA: Towards LLM-Augmented Interactive Online diagnosis System**
  Xinyi Liu, Dachun Sun, Yi Fung, Dilek Hakkani-Tur and Tarek F. Abdelzaher
- **Language Style Matching in Large Language Models**
  Noé Durandard, Saurabh Dhawan and Thierry Poibeau
- **[Dialogue&Discourse] Common Ground inconsistencies in dialogue systems: conflict patterns implied by polar question forms**
  Maria Di Maro, Antonio Origlia, Francesco Cutugno
- **[Dialogue&Discourse] Investigating Proactivity in Task-Oriented Dialogues**
  Sofia Brenna, Elisabetta Jezek, Bernardo Magnini
- **[Demo] rrSDS 2.0: Incremental, Modular, Distributed, Multimodal Spoken Dialogue with Robotic Platforms**
  Anna Manaseryan, Porter Rigby, Brooke Matthews, Catherine Henry, Josue Torres-Fonseca, Ryan Whetten, Enoch Levandovsky and Casey Kennington

18:00-20:00 Visit of the Palace of the Popes (guided)

20:00-01:00 Banquet at the Palace of the Popes, with "appéritif" on Avignon's Bridge

DAY-3: Wednesday, August 27

9:00-10:20 Oral session 6: Data (4 slots)

- **Building Open-Retrieval Conversational Question Answering Systems by Generating Synthetic Data and Decontextualizing User Questions**
  Christos Vlachos, Nikolaos Stylianou, Alexandra Fiotaki, Spiros Methenitis, Elisavet Palogiannidi, Themos Stafylakis and Ion Androutsopoulos
- **DocTalk: Graph-based Dialogue Synthesis to Enhance LLM Conversational Capabilities during Pre-training**
  Jing Yang JY Lee, Hamed Bonab, Nasser Zalmout, Ming Zeng, Sanket Lokegaonkar, Colin Lockard, Binxuan Huang, Ritesh Sarkhel and Haodong Wang
- **Generating Diverse Personas for User Simulators to Test Interview Dialogue Systems**
  Mikio Nakano, Kazunori Komatani and Hironori Takeuchi
- **Open-Source Large Language Models as Multilingual Crowdworkers: Synthesizing Open-Domain Dialogues in Several Languages With No Examples in Targets and No Machine Translation**
  Ahmed Njifenjou, Virgile Sucal, Bassam Jabaian and Fabrice Lefèvre

10:20-10:40 Coffee break

10:40-11:40 Keynote 3: **The Primary Role of Dialogue in Language Development — A Perspective for AI by Abdellah Fourtassi**

11:40-13:00 Lunch in the garden

13:00-14:20 Oral session 7: Applications (4 slots)

- **Using LLMs to Grade Clinical Reasoning for Medical Students in Virtual Patient Dialogues**
  Jonathan Schiött, William Ivegren, Alexander Borg, Ioannis Parodis and Gabriel Skantze
- **Task Proficiency-Aware Dialogue Analysis in a Real-Time Cooking Game Environment**
  Kaito Nakae and Michimasa Inaba
- **Collaborative Problem-Solving in an Optimization Game**
  Isidora Jeknic, Alex Duchnowski and Alexander Koller
- **Evaluating Large Language Models for Enhancing Live Chat Therapy: A Comparative Study with Psychotherapists**
  Neha Pravin Deshpande, Stefan Hillmann and Sebastian Möller

14:20-15:00 Panel Discussion: TBA

15:00-15:30 Coffee break

15:30-16:30 Business Meeting

16:30-17:00 Award & Closing