



ESLLI 2023

34th European Summer
School in Logic, Language
and Information

> LJUBLJANA > SLOVENIA

Week 1 schedule

LaLo		LaCo		LoCo			Workshops
P4	P3	P21	P20	P19	P18	P22	P2
9.00am - 10.30am							
Lorenzo Rossi and Paolo Santorio: Trivalent and Dynamic Theories of Conditionals (Introductory)	Deniz Özyıldız and Ciyang Qing: Semantic properties and combinatorial restrictions of attitude predicates (Introductory)	Antonio Toral and Arianna Bisazza: Neural Machine Translation (Introductory)	Gasper Begus: Deep Language Learning: Modeling language from raw speech (Advanced)	Tobias Kappé: Elements of Kleene Algebra (Foundational)	Luca Geatti and Angelo Montanari: The Safety Fragment of Temporal Logics of Infinite Sequences (Introductory)		
10.30am - 11.00am							
Coffee break							
11.00am - 12.30pm							
Salvatore Florio and Carlo Nicolai: Formal Theories of Properties (Introductory)	Giuseppe Sanfilippo: Logical Operations Among Conditionals as Conditional Random Quantities (Advanced)	Kata Balogh and Simon Petitjean: Tree-Adjoining Grammars: Theory and implementation (Introductory)	Enrica Troiano and Valerio Basile: Data Perspectivism in Computational Linguistics (Advanced)	Francesca Poggiolesi: Proofs and explanations (Introductory)	Alessio Mansutti and Christoph Haase: Linear arithmetic theories: algorithms and applications (Advanced)		Milica Denić: Workshop on Internal and external pressures shaping language
12.30pm - 2.00pm							
lunch Three groups (see coupon timeslot): 12:30, 13:00, 13:30							
2.00pm - 3.30pm							
Merel Semeijn and Louis Rouillé: Let's talk about Frodo: An Introduction to the Semantics of Fiction (Introductory)	Kenya Chatain and Benjamin Spector: Current topics in the semantics and pragmatics of plural expressions (Advanced)	Mehrnoosh Sadrzadeh and Gijs Wijnholds: Natural Language Syntax and Statistical Semantics with Modal Lambek Calculus (Introductory)	Michael Roth: Limitations in NLP: Disagreements, Misunderstandings, and other Challenges (Advanced)	Aleks Knoks and Eric Pacuit: Tools for Formal Epistemology: Doxastic Logic, Probability and Default Logic (Foundational)	Valentin Goranko and Dmitry Shkatov: First-order Modal and Temporal Logics: Philosophical and Computational Aspects (Advanced)		
3.30pm - 3.50pm							
Coffee break							
3.50pm - 4.50pm							
Student Session (StuS)							
5.00pm - 6.30pm							
Peter Fritz: Propositional Quantifiers (Introductory)	Yoad Winter: The Semantics of Reciprocity (Advanced)	Eric Pacuit: Computational Game Theory in Julia (Introductory)	Kyle Richardson and Vivek Srikumar: Formal Techniques for Neural-symbolic Modeling (Advanced)	Wesley Holliday: Possibility Semantics (Introductory)	Brian Logan: Logics for Safe AI (Advanced)	Nebojša Ikodinović and Dragan Doder: Logics with Probability Operators and Quantifiers (Advanced)	Sonia Ramotowska and Fabian Schlotterbeck: Procedural and computational models of semantic and pragmatic processes



ESLLI 2023

34th European Summer
School in Logic, Language
and Information

> LJUBLJANA > SLOVENIA

Week 2 schedule

LaLo		LaCo		LoCo		Workshops
P4	P3	P21	P20	P19	P18	P2
9.00am - 10.30am						
Bart Geurts: Common ground (Foundational)	Niki Pfeifer: Probability logic, language, and cognition (Introductory)	Bruno Guillaume and Kim Gerdes: Treebanking: methodology, tools and applications (Introductory)	Ryan Cotterell: Formal Language Theory and Neural Networks (Advanced)	Rustam Galimullin and Louwe B. Kuijer: Quantification in Dynamic Epistemic Logic (Introductory)	Beniamino Accattoli: Time and Space for the lambda Calculus (Advanced)	Valentin Goranko and Dmitry Shkatov: Workshop on First-order Modal and Temporal Logics: state of the art and perspectives
10.30am - 11.00am						
Coffee break						
11.00am - 12.30pm						
Elin Mccready and Grégoire Winterstein: Communitarian Semantics (Introductory)	Luka Crnic and Yosef Grodzinsky: Monotonicity: Grammar, Processing, and Neural Reflections (Advanced)	John P. McCrae: Introduction to Linguistic Data Science (Introductory)	Lidia Pivovarova and Andrey Kutuzov: Computational approaches to semantic change detection (Advanced) [1]	Matteo Acclavio and Paolo Pistone: An Introduction to Proof Equivalence (Introductory)	Balder Ten Cate and Carsten Lutz: Logic, Data Examples, and Learning (Introductory)	Michael Moortgat and Mehrnoosh Sadrzadeh: Modalities in substructural logics: applications at the interfaces of logic, language and computation Monday and Tuesday only!!
12.30pm - 2.00pm						
lunch Three groups (see coupon timeslot): 12:30, 13:00, 13:30						
2.00pm - 3.30pm						
Annemarie van Dooren and Anouk Dieuleveut: Decomposing the meaning of modals (Foundational)	Cornelia Ebert and Markus Steinbach: The semantics of visual communication. Theoretical approaches to visual meaning aspects in co-speech gestures and sign language (Advanced)	Timothée Bernard and Pascal Amsili: Natural language syntax: parsing and complexity (Foundational)	Martha Palmer and James Pustejovsky: A Uniform Meaning Representation for NLP Systems (Advanced)	Giulio Guerrieri: The lambda-calculus: from simple types to non-idempotent intersection types (Introductory)	Anupam Das: Proof theory of arithmetic (Advanced)	
3.30pm - 3.50pm						
Coffee break						
3.50pm - 4.50pm						
Student Session (StuS)						
5.00pm - 6.30pm						
Zhaohui Luo: Advanced Topics in Formal Semantics Based on Modern Type Theories (Advanced)	Patrick Elliott and Lisa Hofmann: Explaining anaphoric accessibility: navigating non-veridical environments in dynamic semantics (Advanced)	Tim Van de Cruys: Computational Creativity (Introductory)	Fausto Carcassi and Michael Franke: The probabilistic Language of Thought (Advanced)	Louwe B. Kuijer: Conditional logics of preference: how to make the best choice (Introductory)	Fan Yang: Logics of dependence and independence (Advanced)	



ESLLI 2023

34th European Summer
School in Logic, Language
and Information
> LJUBLJANA > SLOVENIA

Student Session (StuS) 1st week

Lecture room: **PA**

Monday:

- Neural Models for Syllogistic Logic (Manuel Vargas Guzmán)
- Knowing disjunctions with the help of logical grounding (Niccolò Rossi)

Tuesday:

- Troubling times for PhD research on text categorization? ChatGPT for Automatic Genre Identification (Taja Kuzman)
- A Corpus-Based Analysis of -like and -free with Proper Names (Tijana Sukovic)

Wednesday:

- Responsibility in (Non-)Probabilistic STIT (David Streit)
- Monotonicity Ground Decidability: A Proof Theoretic View (Daniel Li)

Thursday:

Poster session flash talks:

- Negation in Italian until-clauses: effective or expletive? (Valeria Gradimondo)
- Selectional Restrictions as Ontological Preconditions (Zhengjie Situ)
- Not strictly a woman – QUD-based 4-valued reasoning discharges lexical meaning (Emil Eva Rosina)
- Towards a Definition of Novel Metaphor for Automatic Metaphor Detection (Sebastian Reimann)
- Syntactic Head Movement in Golog Tibetan (Jiahong Wang)
- Implementation of Elements of Dependence (Iga Lewandowska and Jose Seijas Vega)
- Persian morphological causatives and the problems with bundling approach (Shahriar Hormozi)
- Forcing for an optimal A-translation (Rui Li)

Friday:

Poster session



ESLLI 2023

34th European Summer
School in Logic, Language
and Information
> LJUBLJANA > SLOVENIA

Student Session (StuS) 2nd week

Lecture room: PA

Monday:

- Decidability of the Relational Syllogistic with Singular Terms (Hongkai Yin)
- Rule-Elimination Theorem (Sayantan Roy)

Tuesday:

- Weak Reciprocity without the Cumulative Operator (Jia Ren)
- Antiphrastic Evidentiality (Eno Agolli) (VIRTUAL)

Wednesday:

- Intuitionistic Reasoning on Hybrid Xpath with Data (Danae Dutto)
- Bisimulation Quotient in Inquisitive Modal Logic (Stipe Marić)

Thursday:

- Negation as Tense in Jin Chinese (Zhen Li)
- Boffa's construction and models for NFU (Tin Adlešić)

Friday:

- Non-deictic uses of Mandarin Complex Demonstratives (Jiaxing Yu) (VIRTUAL)



ESLLI 2023

34th European Summer
School in Logic, Language
and Information

> LJUBLJANA > SLOVENIA

Evening lectures

Tuesday, 01/08:

Marko Robnik Šikonja: **Large language models for cross-lingual transfer**

Thursday, 03/08:

Malvina Nissim: **Language Technology Society**

Tuesday, 08/08:

Beniamino Accattoli: **The Cost of the lambda Calculus and the Semantics of Sharing**

Thursday, 10/08:

Rick Nouwen: **The language, logic and computation of exaggeration**