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24TH EUROPEAN SUMMER SCHOOL ON LOGIC, LANGUAGE AND INFORMATION (ESSLLI 2012)

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Opole University
Opole, Poland

August 6–17, 2012

The 24th European Summer School on Logic, Language and Information (ESSLLI 2012), organized under the auspices of the Association for Logic, Language and Information (FoLLI), was held in Opole, Poland, from 6 to 17 August 2012, its venue being the campus of the University of Opole. ESSLLI 2012 offered courses on the elementary, introductory and advanced levels, as well as scientific workshops covering, on the whole, a broad spectrum of problems pertaining to three main research areas: logic, linguistics and informatics. The courses and workshops on offer were divided into three interdisciplinary spheres: *Language and Computation, Language and Logic, and Logic and Computation*.

Language and Computation.

(1) *Fundamental Courses*:

Roland Schäfer and Felix Bildhauer (Freie Universität Berlin), *Building large corpora from the web*.

Anders Søgaard (University of Copenhagen), *Semi-supervised learning for natural language processing*.

Christina Unger and Philipp Cimiano (Bielefeld University), *Ontology-based interpretation of natural language*.

(2) *Introductory Courses*:

Thomas Ågotnes (University of Bergen), *Social laws: logic and games*.

Julian Bradfield and James Kirby (University of Edinburgh), *Formal and computational approaches to phonology*.

Roger Levy (University of California), *Probabilistic models in the study of language*.

Jennifer Spenader (University of Groningen), *Empirical approaches to discourse*.

(3) *Advanced Courses*:

Ann Copestake (University of Cambridge) and Aurelie Herbelot (University of Potsdam), *Distributional semantics for linguists*.

Tibor Kiss (Ruhr-Universität Bochum), *Annotating mining with R*.

Giorgio Magri (CNRS), *Cognitive Computational Phonology: the case study of error-driven models of the acquisition of phonotactics*.

Michael Piotrowski (University of Zurich), *Natural language processing for historical texts*.

(4) *Workshops*:

Gianluca Giorgolo (Carleton University), *Formal and computational approaches to multimodal communication*.

Erhard Hinrichs and Gerhard Jäger (Tübingen University), *Computational approaches to the study of dialectal and typological variation*.

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Language and Logic.

(1) *Fundamental Courses*:

Catherine Legg (The University of Waikato), *Possible worlds: an introductory course in metaphysics*.

Reinhard Muskens (Tilburg Center for Logic and Philosophy of Science), *Logic for linguists and philosophers*.

(2) *Introductory Courses*:

Lucas Champollion (Tübingen University), *Linguistic applications of mereology*.

Jonathan Ginzburg (Université Paris-Diderot 7) and Robin Cooper (University of Gothenburg), *An introduction to semantics using type theory with records*.

Rafal Gruszczynski (Nicolaus Copernicus University), *Introduction to point-free geometry and topology*.

Manfred Kupffer (University of Frankfurt), *Counterpart semantics for quantified modal logic*.

Øystein Linnebo and Salvatore Florio (University of London), *Plurals in semantics and philosophical logic*.

Christopher Piñón (Université Lille), *Reading Montague*.

Andrzej Wisniewski (Adam Mickiewicz University) and Jonathan Ginzburg (Université Paris-Diderot 7), *Semantics of questions and dialogues*.

(3) *Advanced Courses*:

Udo Klein and Marcus Kracht (Bielefeld University), *Predicate logic, compositionality and alphabetical innocence*.

Emar Maier (University of Groningen), *The semantics of attitude reports*.

Allen Mann (Colgate University) and Gabriel Sandu (University of Helsinki), *First-order logic with imperfect information*.

Friederike Moltmann (CNRS), *Tropes, events, and states in the semantics of natural language*.

Laurent Prévot (Aix-Marseille Université) and Laure Vieu (Université Paul Sabatier), *Multidimensional semantics*.

Christian Retoré (Université de Bordeaux), *Proofs, models and categories for type theory, with selected applications to natural language semantics*.

(4) *Workshops*:

Paul Egre (CNRS) and David Ripley (University of Melbourne), *Trivalent logics and their applications*.

Andrew Jones (King's College London) and Steven Kimbrough (University of Pennsylvania), *Workshop on formal models of communication*.

Jakub Szymanik and Rineke Verbrugge (University of Groningen), *Logic & cognition*.

Logic and Computation.

(1) *Fundamental Courses*:

Hans van Ditmarsch (University of Sevilla), *Logic puzzles*.

Robert Lubarsky (Florida Atlantic University), *Models of computation*.

Olivier Roy (Ludvig Maximilian University of Munich) and Eric Pacuit (Tilburg University), *Epistemic game theory*.

(2) *Introductory Courses*:

David Baelde (University of Copenhagen) and Alwen Tiu (Australian National University), *Specification and prototyping using higher-order logic*.

Alexandru Baltag and Sonja Smets (University of Amsterdam), *Interactive learning, formal social epistemology and group beliefs dynamics: logical, probabilistic and game-theoretic models*.

Nina Gierasimczuk (University of Groningen) and Wojciech Buszkowski (Adam Mickiewicz University), *Formal learning theory and epistemic logic*.

Davide Grossi (University of Liverpool), *Introduction to abstract argumentation theory*.

Larry Moss (Indiana University), *Circularity*.

Ulrike Sattler (University of Manchester) and Thomas Schneider (University of Bremen), *Description logics*.

(3) *Advanced Courses*:

Petr Cintula (Academy of Science of the Czech Republic) and Carles Noguera (Spanish National Research Council), *Abstract algebraic logic: theory and applications*.

Hans van Ditmarsch (University of Sevilla), *Quantifying over information change*.

David Fernández Duque (University of Seville) and Joost Joosten (University of Barcelona), *Provability logics and applications*.

Jan van Eijck (CWI, Amsterdam; UiL-OTS, Utrecht), *Purely functional algorithm specification*.

Adam Naumowicz (University of Bialystok), *An introduction to computer formalization of mathematics*.

Eric Pacuit (Tilburg University), *Models of strategic reasoning*.

Sylvain Schmitz and Philippe Schnoebelen (LSV, ENS Cachan & CNRS), *Algorithmic aspects of WQO theory*.

(4) *Workshops*:

Nina Gierasimczuk (University of Groningen) and Sonja Smets (University of Amsterdam), *Strategies for learning, belief revision and preference change*.

Besides the regular courses, a traditional highlight of the summer school were the four evening lectures by distinguished professors:

– Johan van Benthem (Institute for Logic, Language & Computation (ILLC), Amsterdam and Department of Philosophy, Stanford University), *Computation as agency*;

– Melvin Fitting (Department of Mathematics and Computer Science, City University of New York), *Reasoning about games*;

– Jonathan Ginzburg (UFR Études anglophones, Université Paris-Diderot (Paris 7)), *False starts, jokes, and music: semantics in the 21st century*;

– Adam Przepiórkowski (Institute of Computer Science, Polish Academy of Sciences, Warsaw), *Secret life of corpora*.

Another traditional event was the student session, organized by a student program committee chaired by Rasmus K. Rendsvig (University of Copenhagen): master and doctoral students presented 16 papers and 5 posters; Michal Zawidzki won the best paper award and Raul Fervari won the best poster award. Moreover, the Beth Dissertation Prizes were announced at the FoLLI General Meeting and went to Andreas Kapsner (University of Barcelona) and Daniel R. Licata (Carnegie Mellon University).

Just as in the previous years, the successive, 17th Conference on Formal Grammar collocated with ESSLLI 2012.

The members of the Program Committee were: Andreas Herzig (Chair, Institut de recherche en informatique de Toulouse and CNRS), Anna Pietryga (local Co-Chair, Opole University) and area specialists: Natasha Alechina (University of Nottingham), Gosse Bouma (Groningen University), Miriam Butt (Universität Konstanz), Regine Eckardt (Universität Göttingen), Rick Nouwen (Universiteit Utrecht), Andreas Weiermann (Ghent University).

The members of the Organizing Committee were: Janusz Czelakowski (Co-Chair, Opole University), Elżbieta Dabrowska (Opole University), Marek Ganczarski (Opole University), Jacek Jędrzejowski (Opole University), Zofia Kostrzycka (Opole University of Technology), Katarzyna Książek (Opole University), Joanna Napiórkowska (Opole University), Marcin Selinger (Wroclaw University), Robert Sochacki (Treasurer, Opole University), Jacek Waldmajer (Secretary, Opole University), and Urszula Wybraniec-Skardowska (Co-Chair, Opole University).

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JANUSZ CZELAKOWSKI (Organizing Committee, Co-Chair)
URSZULA WYBRANIEC-SKARDOWSKA (Organizing Committee, Co-Chair)
JACEK WALDMAJER (Organizing Committee, Secretary)

Webpage: `http://esslli2012.pl/`