

Mon 13 Sep 2021 (all times CET)

Workshops

9:45 – 17:00 See Workshops page for details

11:15 – 12:00 Break

13:30 – 15:00 Lunch (catered)

16:30 – 17:15 Break

Keynote

17:15 – 18:00 Nicola Guarino
Events as qualitative changes

Tue 14 Sep 2021

09:45 – 10:00 Opening - 15 min

Mereology & Concepts

10:00 – 10:15 Claudio Masolo, Laure Vieu, Roberta Ferrario, Stefano Borgo and Daniele Porello
Collectives, Composites and Pluralities

10:15 – 10:30 C. Maria Keet
The computer program as a functional whole

10:30 – 10:45 Adrien Barton, Fumiaki Toyoshima, Laure Vieu, Paul Fabry and Jean-Francois Ethier
The mereological structure of informational entities

10:45 – 11:00 Matt Selway, Markus Stumptner and Wolfgang Mayer
Towards the Formalisation of Concept Descriptions and Constraints

11:00 – 11:15 Discussion

11:15 – 12:00 Break

Applications

12:00 – 12:15 Dean Allemang, Pawel Garbacz, P Grądzki, E Kendall and R Trypuz
An infrastructure for collaborative ontology development

12:15 – 12:30 Simone Coetzer and Arina Britz
Debugging classical ontologies using defeasible reasoning tools

12:30 – 12:45 Mattia Fumagalli, Gabor Bella, Samuele Conti and Fausto Giunchiglia
Ontology-Driven Cross-Domain Transfer Learning

12:45 – 13:00 Brandon Bennett
Semantic Analysis of Winograd Schema No. 1

13:00 – 13:30 Discussion

13:30 – 15:00 Lunch (catered)

Demonstrations

15:00 – 16:30 Forthcoming

16:30 – 17:15 Break

Keynote

17:15 – 18:00 Arianna Betti

Wed 15 Sep 2021

Representation & FOIS 2020 Best Paper

09:45 – 10:00 Pablo Fillottrani and C. Maria Keet

An analysis of commitments in ontology language design

10:00 – 10:15 Lucía Gómez Álvarez and Sebastian Rudolph

Standpoint Logic: Multi-Perspective Knowledge Representation

10:15 – 10:30 Riichiro Mizoguchi and Stefano Borgo

An Ontology of Representation

10:30 – 10:45 Haythem Ismail and Merna Shafie [FOIS 2020 Best Paper]

A Commonsense Theory of Secrets

10:45 – 11:15 Discussion

11:15 – 12:00 Break

Intention & Cognition

12:00 – 12:15 Guendalina Righetti, Daniele Porello, Nicolas Troquard, Oliver Kutz, Maria Hedblom and Pietro Galliani

Asymmetric Hybrids: Dialogues for Computational Concept Combination

12:15 – 12:30 Fumiaki Toyoshima, Adrien Barton and Olivier Grenier.

Foundations for an Ontology of Belief, Desire and Intention

12:30 – 12:45 Mihai Pomarlan and John Bateman

Embodied functional relations: a formal account combining abstract logical theory with grounding in simulation

12:45 – 13:00 Luca Biccheri, Roberta Ferrario and Daniele Porello

Needs and intentionality

13:00 – 13:30 Discussion

13:30 – 15:00 Lunch (catered)

The Americas I

15:00 – 15:15 Carmen Chui, Michael Gruninger and Janette Wong

An Ontology for Formal Models of Kinship

15:15 – 15:30 Fumiaki Toyoshima

Foundations for Ontology of Persistence: Beyond Talk of Temporal Parts

15:30 – 15:45 Discussion

Early Career Symposium

15:45 – 16:30 Forthcoming

16:30 – 17:15 Break

IAOA General Meeting

17:00 – 18:15 IAOA General Meeting

Thu 16 Sep 2021

Domain Ontology

9:45 – 10:00 Daniel Beßler, R. Porzel, Mihai Pomarlan, A. Vyas, S. Höffner, M. Beetz, R. Malaka and John Bateman

Foundations of the Socio-physical Model of Activities (SOMA) for Autonomous Robotic Agents

10:00 – 10:15 Dorothea Tsatsou, Elena Lalama, Saskia Wilson-Barnes, Kathryn Hart, Véronique Cornelissen, Roselien Buys, Ion Pagkalos, Sofia Dias, Kosmas Dimitropoulos and Petros Daras

NAct: The Nutrition and Activity Ontology for Healthy Living

10:15 – 10:30 Mirna El Ghosh and Habib Abdulrab

Capturing the Basics of the GDPR in a Well-Founded Legal Domain Modular Ontology

10:45 – 11:00 Emilio Sanfilippo, Perrine Pittet and Béatrice Markhoff
Ontological analysis and modularization of CIDOC-CRM

11:00 – 11:15 Discussion

11:15 – 12:00 Break

Ontology Showcase

12:00 – 13:30 Forthcoming

13:30 – 15:00 Lunch (catered)

The Americas II

15:00 – 15:15 Shirly Stephen and Torsten Hahmann

On Externally Verifying FOL Ontologies: A Study of Two Spatial Ontologies

15:15 – 15:30 Cristine Griffo, João Paulo Andrade Almeida and Giancarlo Guizzardi

Legal Theories and Judicial Decision-Making

15:30 – 15:45 Fumiaki Toyoshima, Adrien Barton, Ludger Jansen and Jean-Francois Ethier

Towards a Unified Dispositional Framework for Realizable Entities

15:45 – 16:00 Michael Gruninger, Carmen Chui, Yi Ru and Jona Thai

A Mereology for Connected Structures

16:00 – 16:15 Discussion

16:15 – 16:30 Awards

16:30 – 17:15 Break

Keynote

17:15 – 18:00 Stefan Schulz
SNOMED CT x BFO: can the gap between legacy terminology and foundational ontology be bridged?

Conference Dinner

19:00 – Forthcoming

Fri 17 Sep 2021

Workshops

9:45 – 18:30 See Workshops page for details

11:15 – 12:00 Break

13:30 – 15:00 Lunch (catered)

16:30 – 17:15 Break