Ontology Commons addressing challenges of the Industry 5.0 transition

Standardised data documentation and data sharing valorisation to foster data-driven innovation

Agenda

2 November 2021

	Time	Sessions	
Plenary	10:00 - 10:15	Welcome	Nadja Adamovic, TU-WIEN, Project Coordinator
	10:15 - 10:50	International initiatives on Applied Ontologies	
	10:50 - 11:25		
	11:25 - 11:30		
	11:30 - 11:45	Break 1	

	Time	Room 1		Room 2	
1st break out		**Industry common translator**	Chair: Gerhard Goldbeck (GCL) Rapporteur: Alexandra Simperler (GCL)	**Ontology Interoperability**	Chair: Nicola Guarino (Laboratory for Applied Ontology ISTC-CNR) Rapporteur: Francesco Compagno (CNR)
	11:45 - 11:55	Advancing Translation in Materials Modelling	Peter Klein (Fraunhofer ITWM)	Introduction to ontology matching and alignment	Jérôme Euzenat (INRIA and Université Grenoble Alpes)
	11:55 - 12:00	Q&A		Q&A	
	12:00 - 12:10	Translation of Innovation challenges	Michael Noeske (Fraunhofer IFAM)	Ontology alignments: semantics, ontlogy integration, multiple logics	Till Mossakowski (Otto-von-Guericke University of Magdeburg)
	12:10 - 12:15	Q&A		Q&A	
	12:15 - 12:25	Semantic engineering skills for everyone: continuous professional development in the OBO community	Nicolas Matentzoglu (Independent Contractor)	Conceptual heterogeneity: the case of time	Claudio Masolo (Laboratory for Applied Ontology ISTC-CNR)
	12:25 - 12:30	Q&A		Q&A	
	12:30 - 13:15	Discussions	Chair: Gerhard Goldbeck (GCL)	Discussions	Chair: Nicola Guarino (Laboratory for Applied Ontology ISTC-CNR)
	13:15 - 14:15	Lunch Break			
2nd break out		**Enabling intra-ontology interoperability through shared terminology**		**Ontologies Stratification**	Chair: Hedi Karray (ENIT)
	14:15 - 14:25	Ontology Standards in ISO	Barry Smith (Director, National Center for Ontological Research)	Experience of ontology stratification strategy and Issues with TLO alignment in IOF	
	14:25 - 14:30	Q&A		Q&A	
	14:30 - 14:40	Improving the efficiency and effectiveness of systems integration and interoperability		The EMMO Structure and Perspectives	Emanuele Ghedini (EMMO)
	14:40 - 14:45	Q&A		Q&A	
	14:45 - 14:55	Standardisation in the IoT domain	Ulrike Parson (Parson Europe - iiRDS)	Layered patterns in design workflows	Aldo Gangemi (MAC)
	14:55 - 15:00	Q&A		Q&A	
	15:00 - 15:10	Ontology Standards in Industry 5.0		Discussions	Chair: Hedi Karray (ENIT)
	15:10 - 15:15	Q&A			
	15:15 - 15:45	Discussions	Chair: Silvana Muscella (Trust-IT Services)		
	15:45 - 16:00	Break 2			

	Time	Sessions	
Plenary	16:00 - 16:25	Sessions summary	Nadja Adamovic, TU-WIEN, Project Coordinator
	16:25 - 16:30		

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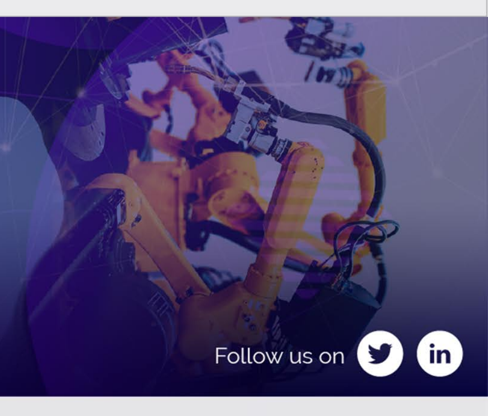

Agenda

3 November 2021

	Time	Sessions	
Plenary	10:00 - 10:05	Welcome	Nadja Adamovic, TU-WIEN, Project Coordinator
	10:05 - 10:50		Javier Sanfelix, EC
	10:50 - 11:25	Ontology Ecosystem Toolkit	Valentina Presutti (University of Bologna, Italy)
	11:25 - 11:30		
	11:30 - 11:45	Break 1	

	Time	Room 1		Room 2	
1st break out		**Establishing a Knowledge Exchange Space**	Chair: Yann Le Franc Rapporteur:	**User Experience on Ontology Engineering Tools**	Chair: Maria Poveda (UPM) Rapporteur:
	11:45 - 11:55	Presentation of KeXs	Yann Le Franc	HCI for ontologies	Enrico Motta
	11:55 - 12:00	Q&A		Q&A	
	12:00 - 12:10	FAIR Principles: An Introduction	Barend Mons (GOFair)		Soren Auer
	12:10 - 12:15	Q&A		Q&A	
	12:15 - 12:25	Overview of EOSC	Karel Luyben (EOSC Association)	UX aspects of Protégé	Matthiew Horridge
	12:25 - 12:30	Q&A		Q&A	
	12:30 - 12:40	Overview of RDA	Hilary Hanahoe (RDA)	Information Modelling Framework	Arild Waaler
	12:40 - 12:45	Q&A			
	12:45 - 13:15	Discussions	Chair: Gerhard Goldbeck (GCL)	Discussions	Chair: Maria Poveda (UPM)
	13:15 - 14:15	Lunch break			
2nd break out		**Ontology-based digital marketplaces for Industry Commons**	Chair: Ebrahim Norouzi (Fraunhofer) Rapporteur: Ebrahim Norouzi (Fraunhofer)	**Ontology adoption**	Chair: John Breslin (NUI Galway) Rapporteur:
	14:15 - 14:25	EC vision and recommendations	Laszlo Hetey (HaDEA)	Ontology adoption in the aircraft industry	Gianmaria Bullegas (Perpetual labs)
	14:25 - 14:30	Q&A		Q&A	
	14:30 - 14:50	Experiences of marketplace projects	Marketplace, VIMMP, Market 4.0, Weldgalaxy speakers (5 minutes each)	Adoption of GoodRelations	Martin Hepp (Universität der Bundeswehr Munich)
	14:50 - 14:55	Q&A		Q&A	
	14:55 - 15:05	DOME 4.0 requirements	Amit Bhave (CMCL, UK)	OntoPortal for adoption	Clement Jonquet (LIRMM)
	15:05 - 15:10	Q&A		Q&A	
	15:10 - 15:20	Marketplaces interoperability demonstrator	Silvia Chiacchiera (UKRI)	Discussions	Chair: John Breslin (NUI Galway)
	15:20 - 15:25	Q&A			
	15:25 - 15:45	Discussions	Chair: Ebrahim Norouzi (Fraunhofer)		
	15:45 - 16:00	Break 2			

	Time	Sessions	
Plenary	16:00 - 16:25	Session Summary	Hedi Karray, ENIT
	16:25 - 16:30		

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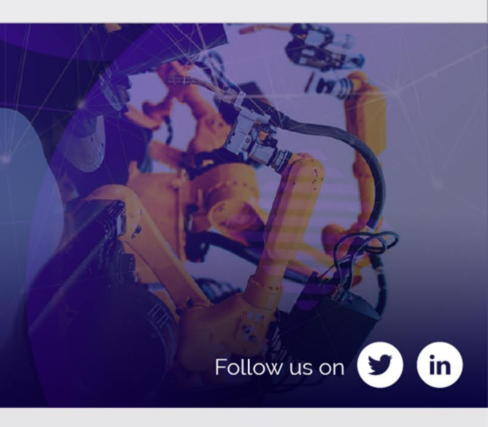

Agenda

4 November 2021

	Time	Sessions	
Plenary	10:00 - 10:05	Welcome	Nadja Adamovic, TU-WIEN, Project Coordinator
	10:05 - 10:40	Thematic Partner	Elisa F. Kendall (Thematic Partner, LLC)
	10:40 - 11:15	Setting Expectations and Measuring Impact	
	11:15 - 11:20		
	11:20 - 11:25		
	11:25 - 11:45	Break 1	

	Time	Room 1		Room 2	
1st break out		**Session on FAIR Technology Adotion in Demonstrators**	Chair: Umutcan Simsek (University of Innsbruck)	**Ontology Engineering in Material Science**	Chair: Martin Horsch Rapporteur: Gerhard Goldbeck (GCL)
	11:45 - 11:55	Q&A	Eric Schultes (GOFAIR Foundation)	FAIRness in Material Ontology	Alexandru Todor (Fraunhofer)
	11:55 - 12:00			Q&A	Soren Auer
	12:00 - 12:10	Showcasing good FAIR adoption in a demonstrator		Requirements and development of an interoperable (domain) ontologies: example of batteries	Simon Clark (SINTEF)
	12:10 - 12:15	Q&A		Q&A	
	12:15 - 12:25	Showcasing best practices from other projects			Norbert Kockmann (TU Dortmund)
	12:25 - 12:30	Q&A		Q&A	
	12:30 - 13:15	Discussions	Chair: Umutcan Simsek (University of Innsbruck)	Discussions	Chair: Martin Horsch
	13:15 - 14:15	Lunch break			
2nd break out		**OntoCommons Demonstrators**	Chair: Rapporteur:	**Industrial Engineering**	Chair: Stefano Borgo (STC-CNR Laboratory for Applied Ontology,) Rapporteur: Emilio M. Sanfilippo and Arkopaul Sarkar
	14:15 - 14:25	Measuring the impact of industrial ontology application	Evgeny Kharlamov (BOSCH)	How to use competency questions in ontology requirement analysis?	Michael Grüninger (University of Toronto)
	14:25 - 14:30	Q&A		Q&A	
	14:30 - 14:40	How do we benefit from OntoCommons?	Sebastian Scholze (ATB)	Ontologies for manufacturing	Walter Terkaj (STIIMA-CNR)
	14:40 - 14:45	Q&A		Q&A	
	14:45 - 14:55	Joining the OntoConmmons Project - setting expectations	Amit Bhave (CMCL, UK)	Experience with SAREF for Industry	Mauro Dragoni (FBK)
	14:55 - 15:00	Q&A		Q&A	
	15:00 - 15:45	Discussions		Discussions	Chair: Stefano Borgo (STC-CNR Laboratory for Applied Ontology,)
	15:45 - 16:00	Break 2			

	Time	Sessions	
Plenary	16:00 - 16:25	Session Summary	Hedi Karray, ENIT
	16:25 - 16:30		

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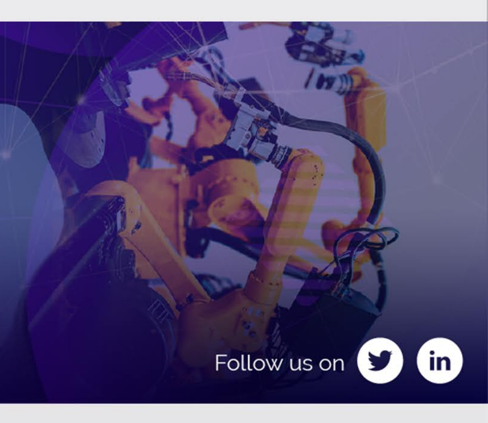

Agenda

5 November 2021

	Time	Sessions	
Plenary	10:00 - 10:05	Welcome	Nadja Adamovic, TU-WIEN, Project Coordinator
	10:05 - 10:50	Innovation and Sustainability	Katariina Nyberg Kari
	10:50 - 11:05	Break 1	

	Time	Room 1		Room 2	
1st break out		**Innovative Use Cases for Innovative Ontology Applications**	Chair: Michela Magas (ICF, OntoCommons) Rapporteur: Silvana Muscella (Trust-IT Services)	**Domain Ontology for manufacturing and supply chain**	Chair: Dimitris Kiritsis (EPFL) Rapporteur: Arkopaul Sarkar and Emilio M. Sanfilippo
	11:05 - 11:15	Moderated discussion	Michela Magas (ICF, OntoCommons)	Ontology engineering for Industrial Maintenance	Melinda Hodkiewicz (University of Western Australia)
	11:15 - 11:20	Volvo electric cars	Fredrik Folkestad (Folkestad Sino-Skandinavien)	Q&A	
	11:20 - 11:30	Closed loop retail management	Celine Xu (Data Science Competence Lead at H&M)	Systems Engineering as the foundation for industrial domain ontologies	Jinzhi Lu (EPFL)
	11:30 - 11:35	Accessibility	Tim Yates (Research & Development Programme Leader)	Q&A	
	11:35 - 11:45	Lead Ontologist Inter-IKEA Systems (IKEA Global)	Katariina Nyberg Kari	Ontology engineering for supply chain, procurement, and logistics	Farhad Ameri (Texas State University)
	11:45 - 11:50			Q&A	
	11:50 - 12:35			Discussions	Chair: Dimitris Kiritsis (EPFL)

	Time	Sessions	
Plenary	12:35 - 12:50	Session Summary	Nadja Adamovic, TU-WIEN, Project Coordinator
	12:50 - 12:55		
	12:55 - 13:30	Discussions	