



6th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2024)

Hotel Olšanka, Prague (Czech Republic), 19-22 November 2024

Program at a glance

6th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2024)		
Tuesday, November 19, 2024 – Day 0 (Time: Czech Republic Local Time - CET)		
International Doctoral Workshop – IDW 2024		
Welcome Message		
Chairs:		
9.00 AM - 9.15 AM	Plzeň Room	Marta Rinaldi, University of Salerno (Italy)
		Marco Frosolini, University of Pisa (Italy)
9.15 AM – 11.00 AM	Plzeň Room	IDW – Session 1
11.00 AM – 11.20 AM		Networking Break
11.20 AM – 1.00 PM	Plzeň Room	IDW – Session 2
1.00 PM – 2.00 PM		Lunch Break
Keynotes Session		
2.00 PM – 3.00 PM	Plzeň Room	Marta Rinaldi, University of Salerno (Italy)
		Marco Frosolini, University of Pisa (Italy)
3.00 PM – 3.15 PM		Networking Break
3.15 PM – 5.00 PM	Plzeň Room	IDW – Session 3
5.00 PM – 5.15 PM		Networking Break
5.15 PM – 6.30 PM	Plzeň Room	Teamworking Session



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Wednesday, November 20, 2024 – Day 1 (Time: Czech Republic Local Time - CET)	
8.00 AM – 9.30 AM	ISM Attendee's Welcome and Registration
9.30 AM – 10.45 AM	<p>Plenary Session Opening Ceremony and Greetings Welcome Message</p> <p>Chair: Francesco Longo, ISM 2024 – General Co-Chair</p> <p>Congress Hall</p> <p>ISM 2024 – General Co-Chair: David Romero ISM 2024 – Program Chair: Vittorio Solina ISM 2024 – Advisory Board Member: Antonio Padovano IDW 2024 – General Co-Chair: Marta Rinaldi ISM 2025 – Announcing next year edition of the Conference</p> <p>Echoes of the Future Exhibition</p>
10.45 AM – 11.15 AM	Coffee Break
11.15 AM – 1.00 PM	<p>Plenary Session Keynote Talks</p> <p>Congress Hall</p> <p>Dmitry Ivanov – Berlin School of Economics and Law, Germany Thorsten Wuest - University of South Carolina, United States of America Emmanuel Francalanza – University of Malta, Malta</p>
1.00 PM – 2.30 PM	Lunch Break



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Parallel Sessions								
Session	WAREHOUSE	SMARTMFG1	SMARTMFG2	DIGMARKETING	AUTOMATION	AI-INDUSTRY1	AI-INDUSTRY2	
Chair(s)	Luigino Filice, UNICAL (Italy)	Radu Godina, NOVA (Portugal)	Giovanna Rotella, LUM (Italy), Maria R. Saffioti, UNICAL (Italy)	Manuel Brunner, Un. of Applied Sciences Upper Austria (Austria)	Fabiana Tornese, Un. Salento (Italy)	Stephan Wagner, Un. of Applied Sciences Upper Austria (Austria)	Vagan Terziyan, University of Jyväskylä (Finland)	
2.30 PM	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Praha 1	Praha 3	Ostrava
-		ISM_147	ISM_55	ISM_42	ISM_35	ISM_21	ISM_28	ISM_4
4.15 PM		ISM_132	ISM_51	ISM_101	ISM_65	ISM_49	ISM_44	ISM_20
		ISM_156	ISM_356	ISM_248	ISM_94	ISM_56	ISM_151	ISM_25
		ISM_399	ISM_308	ISM_374	ISM_261	ISM_120	ISM_179	ISM_126
		ISM_284	ISM_354	ISM_18	ISM_245	ISM_363	ISM_301	ISM_280
		ISM_112	ISM_69	ISM_249	ISM_52	ISM_54	ISM_216	ISM_335
4.15 PM	Coffee Break							
-								
4.45 PM								
Parallel Sessions								
Session	AI-INDUSTRY3	AIKNOWLEDGE	AIROBOTICS	DATA1	CPSEDGE	SYSRESILIENCE	HRC1	
Chair(s)	Ferdinando Chiacchio, Un. Catania (Italy)	Herbert Jodlbauer, FH OÖ (Austria)	Behzad Behdani, University of South-Eastern Norway (Norway)	André M. Carvalho, NOVA (Portugal)	Raffaele Gravina, Claudio Savaglio, UNICAL (Italy)	Antonio De Nicola, ENEA (Italy)	Marta Rinaldi, University of Salerno (Italy)	
4.45 PM	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Praha 1	Praha 3	Ostrava
-		ISM_121	ISM_299	ISM_102	ISM_219	ISM_188	ISM_168	ISM_184
6.30 PM		ISM_177	ISM_289	ISM_303	ISM_222	ISM_217	ISM_233	ISM_63
		ISM_192	ISM_305	ISM_319	ISM_172	ISM_229	ISM_275	ISM_204
		ISM_272	ISM_309	ISM_118	ISM_334	ISM_252	ISM_276	ISM_294
		ISM_167	ISM_234	ISM_212	ISM_145	ISM_306	ISM_60	ISM_208
		ISM_206	ISM_90	ISM_244	ISM_313	-	ISM_83	ISM_423



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6th International Conference on Industry 4.0 and Smart Manufacturing (ISM 2024)								
Thursday, November 21, 2024 – Day 2 (Time: Czech Republic Local Time - CET)								
Parallel Sessions								
Session	HRC2	WAREHOUSING	ADVANCEDIIOT	MODSECURITY	DTWINS	OPTIMIZATION	B2B/B2C	
9.00 AM - 10.45 AM	Chair(s)	Maurizio Faccio, University of Padova (Italy)	Antonella Meneghetti, UNIUD (Italy), Sara Perotti, POLIMI (Italy)	Duarte Dinis, NOVA School of Science and Technology (Portugal)	Emmanuel Francalanza, University of Malta (Malta)	Fabiana Tornese, University of Salento (Italy)	Michael Affenzeller, Un. of Applied Sciences Upper Austria (Austria)	
	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Praha 1	Praha 3	Ostrava
10.45 AM - 11.15 AM		ISM_50	ISM_82	ISM_29	ISM_36	ISM_223	ISM_5	
		ISM_130	ISM_107	ISM_98	ISM_80	ISM_371	ISM_26	
		ISM_213	ISM_190	ISM_128	ISM_137	ISM_47	ISM_238	
		ISM_359	ISM_198	ISM_226	ISM_336	ISM_256	ISM_239	B2B/B2C
		ISM_224	ISM_347	ISM_266	ISM_311	ISM_344	ISM_88	
		ISM_81	ISM_57	-	ISM_291	ISM_152	ISM_68	
10.45 AM - 11.15 AM Coffee Break								
Parallel Sessions								
Session	DIGITALSUPPLY	SUPPLYOPT	TECH	EDUCATION1	EDUCATION2	XRINDUSTRY	B2B/B2C	
11.15 AM - 1.00 PM	Chair(s)	Giuseppina Ambrogio, UNICAL (Italy)	Eleonora Bottani, Un. Parma (Italy)	Roberto Sala, University of Bergamo (Italy)	Vittorio Solina, UNICAL (Italy)	Bernd M. Zunk and Volker Koch, Graz Un. of Technology (Austria)	Vito Manghisi, Polytechnic University of Bari (Italy)	
	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Praha 1	Praha 3	Ostrava
1.00 PM - 1.30 PM		ISM_73	ISM_62	ISM_131	ISM_113	ISM_194	ISM_22	
		ISM_46	ISM_89	ISM_142	ISM_115	ISM_195	ISM_125	
		ISM_53	ISM_351	ISM_154	ISM_129	ISM_205	ISM_220	B2B/B2C
		ISM_264	ISM_348	ISM_209	ISM_135	ISM_214	ISM_218	
		ISM_253	ISM_330	ISM_174	ISM_186	ISM_215	ISM_114	
		ISM_315	ISM_23	ISM_382	ISM_296	ISM_159	ISM_39	



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Lunch Break								
1.00 PM								
-								
2.30 PM								
Parallel Sessions								
	Session	BUSINESSTECH	DISSEMINATION1	EDUCATION3	MANULOG	COLLABCOGNITIVE	MAINTENANCE1	B2B/B2C
	Chair(s)	Eleonora Bottani, University of Parma (Italy)	Vittorio Solina, UNICAL (Italy)	Rui Pinto, Un. of Porto (Portugal), Miroslav Žilka, CTU Prague (Czechia)	Frank Meisel, Christian- Albrechts- University of Kiel (Germany)	Emmanuel Francalanza, University of Malta (Malta)	Ferdinando Chiacchio, University of Catania (Italy)	
2.30 PM	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Praha 1	Praha 3	Ostrava
-								
4.15 PM		ISM_231	DESDEMONA	ISM_13	ISM_78	ISM_189	ISM_110	
		ISM_339	CERES	ISM_92	ISM_70	ISM_281	ISM_111	
		ISM_340	EE4M	ISM_96	ISM_30	ISM_327	ISM_257	B2B/B2C
		ISM_180	CustMaS	ISM_243	ISM_67	ISM_332	ISM_355	
		ISM_293	Pay-per-x	ISM_277	ISM_32	ISM_176	ISM_379	
		ISM_384	champ4.0ns	ISM_43	ISM_343	ISM_77	-	
Coffee Break								
4.15 PM -								
4.45 PM								
Parallel Sessions								
	Session	INNOVATION	MAINTENANCE2	DATA2	ADDITIVE1	MARITIME	TECHSUPPLY	BSB/B2C
	Chair(s)	Luigino Filice, UNICAL (Italy)	Duarte Dinis, NOVA (Portugal)	Radu Godina, NOVA (Portugal)	Pedro Espadinha- Cruz, NOVA (Portugal)	Serena Bertagna, University of Trieste (Italy)	Abla C. Benabdellah, Int. Un. of Rabat (Morocco)	
4.45 PM	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Praha 1	Praha 3	Ostrava
-								
6.30 PM		ISM_34	ISM_150	ISM_304	ISM_99	ISM_287	ISM_10	
		ISM_109	ISM_169	ISM_358	ISM_106	ISM_285	ISM_259	
		ISM_377	ISM_295	ISM_100	ISM_171	ISM_337	ISM_279	B2B/B2C
		ISM_24	ISM_360	ISM_162	ISM_104	ISM_290	ISM_312	
		ISM_173	ISM_342	ISM_48	-	-	ISM_320	
		ISM_161	-	ISM_8	-	-	ISM_346	



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8.30 PM

-

11.00 PM

Gala Dinner & Award Ceremony
Grandium Hotel



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Friday, November 22, 2024 – Day 3 (Time: Czech Republic Local Time - CET)								
Parallel Sessions								
Session	EDUCATION4	ADDITIVE2	MAINTENANCE3	INTLOGISTICS	AGRIFOOD1	DISSEMINATION2	B2B/B2C	
9.00 AM	Chair(s)	Bernd M. Zunk and Volker Koch, Graz Un. of Technology (Austria)	Marco Frosolini, University of Pisa (Italy)	Luca Fumagalli, Polytechnic University of Milan (Italy)	Antonio Padovano, University of Calabria (Italy)	Mohaiad Elbasheer, UNICAL (Italy)	Vittorio Solina, University of Calabria (Italy)	
-	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Telc	Liberec	Ostrava
10.45 AM		ISM_236	ISM_17	ISM_207	ISM_64	ISM_72	Self-made	
		ISM_268	ISM_228	ISM_255	ISM_201	ISM_163	AIECCO	
		ISM_322	ISM_144	ISM_3	ISM_227	ISM_165	BLISS	B2B/B2C
		ISM_269	ISM_297	ISM_203	ISM_329	ISM_202	EDIH4Marche	
		ISM_352	ISM_153	ISM_235	ISM_353	ISM_271	SMALLDERS	
		ISM_411	-	-	ISM_282	ISM_427	-	
10.45 PM - 11.15 PM	Coffee Break							
Parallel Sessions								
Session	AGRIFOOD2	AGRIFOOD3	WELLBEING	ANALYTICS	NEURALPHYSICS	COMPETENCES	B2B/B2C	
11.15 PM	Chair(s)	Vittorio Solina, UNICAL (Italy)	Wolfgang Grenzfurtner, University of Bayreuth (Germany)	Karin de Smidt-Destombes, Hague University of App. Sciences (Netherlands)	André M. Carvalho, NOVA (Portugal)	Ivo Bukovsky, University of South Bohemia (Czech Republic)	Bernd M. Zunk and Volker Koch, Graz Un. of Technology (Austria)	
-	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Telc	Liberec	Ostrava
1.00 PM		ISM_230	ISM_323	ISM_123	ISM_85	ISM_273		
		ISM_288	ISM_164	ISM_240	ISM_242	ISM_274		
		ISM_350	ISM_1	ISM_338	ISM_11	ISM_321	Special Session, Focus Group	B2B/B2C
		ISM_357	ISM_166	ISM_74	ISM_75	ISM_368		
		ISM_425	ISM_316	ISM_221	ISM_210	ISM_265		
		-	-	ISM_116	ISM_138	-		



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1.00 PM – 2.30 PM	Lunch Break							
Parallel Sessions								
	Session	QUALITY	PROCESSDIGIT	CIRCULAR	HUMANCYBER	ENERGY	SOCIAL	TWINTRANS
2.30 PM – 4.15 PM	Chair(s)	Dorota Klimecka-Tatar, Cz. University of Technology (Poland)	André M. Carvalho, NOVA (Portugal)	Antonio Cimino, UniSalento (Italy), Alessio Baratta, UNICAL (Italy)	Emmanuel Francalanza, University of Malta (Malta)	Radu Godina, NOVA (Portugal)	Vittorio Solina, University of Calabria (Italy)	Herbert Jodlbauer, University of App Sciences Upper Austria (Austria)
	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Telc	Liberec	Ostrava
		ISM_95	ISM_31	ISM_211	ISM_200	ISM_108	ISM_27	ISM_66
		ISM_193	ISM_86	ISM_237	ISM_278	ISM_134	ISM_170	ISM_105
		ISM_232	ISM_140	ISM_247	ISM_328	ISM_175	ISM_307	ISM_119
		ISM_146	ISM_59	ISM_366	ISM_410	ISM_324	ISM_364	ISM_196
		-	ISM_426	ISM_87	-	ISM_325	ISM_428	ISM_345
		-	ISM_421	-	-	-	ISM_314	ISM_441
4.15 PM- 4.45 PM	Coffee Break							
Parallel Sessions								
	Session	AI-INDUSTRY4	HUMANETHICS	RESILIENCERISK	PRODUCTIONPLAN	DISSEMINATION3	DISSEMINATION4	
4.45 PM – 6.30 PM	Chair(s)	Andrea Bonci, Marche Polytechnic Un. (Italy)	Antonio Cimino, UniSalento (Italy), Alessio Baratta, UNICAL (Italy)	Eleonora Bottani, University of Parma (Italy)	Mohaiad Elbasheer, UNICAL (Italy)	Vittorio Solina, University of Calabria (Italy)	Antonio Padovano, University of Calabria (Italy)	
	Room	Tábor	Exhibition hall	Lecture hall	Plzeň	Telc	Liberec	
		ISM_300	ISM_258	ISM_365	ISM_139	ALICIA	ASTROGAME	
		ISM_181	ISM_9	ISM_19	ISM_302	R3PACK	OCM-CC-TWM	
		ISM_283	ISM_45	ISM_41	ISM_12	Pav-Analytics	Cloud	
		ISM_71	ISM_286	ISM_341	ISM_225	OpenZDM	CERERE	
		ISM_310	ISM_76	-	ISM_124	Mine.io	LEONARDO	
		ISM_440	-	-	ISM_361	IMPROVE/loTwins	-	



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6.30 PM	Congress	Plenary Session
-	Hall	Closing Ceremony and ISM 2025
7.00 PM		