

List of Presentations COGNITWIN, 12.04.2023 (GA Number 870130)

COGNITWIN Presentations						
	Title	Details of the Event (Conference, meeting, webinar etc.)	Date (dd.mm.yyyy)	Presenter(s) from COGNITWIN consortium	Link of the event (if available)	Link of the recording (if available)
1	Digital Twins for Process Industry	Part of Webinar series on sensor technologies (3-Nov-2020)	03.11.2020	Liljana Stojanovic (Fraunhofer IOSB), Unamuno Irlondo (Sidenor) and Nenad Stojanovic (Nissatech)	https://www.sintef.no/projectweb/cognitwin/news-and-events/webinar-series/	
2	Digital technologies for improved performance in cognitive process industries: Four innovative approaches to this SPIRE PPP topic.	Workshop: Digital technologies for improved performance in cognitive process industries. Organized by The COGNITWIN consortium, together with INEVITABLE, HyperCOG and COGNIPANT projects.	16.12.2020	Frode Brakstad (SINTEF)	https://www.sintef.no/projectweb/cognitwin/news-and-events/workshop-digital-technologies-for-improved-performance-in-cognitive-process-industries/	
3	COGNITWIN Presentation	Workshop: COGNITWIN-CAPRI EU Project	05.03.2021	Frode Brakstad, Arne J. Berre (SINTEF), Liljana Stojanovic (Fraunhofer IOSB)	https://www.sintef.no/projectweb/cognitwin/news-and-events/workshop-cogniplant-22-march-2021/	
4	COGNITWIN Presentation	Cognitive Plants workshop - COGNIPANT, COGNITWIN, HYPERCOG, INEVITABLE, FACTLOG and CAPRI (22-Mar-2021)	22.03.2021	Frode Brakstad, Arne J. Berre (SINTEF)	https://www.sintef.no/projectweb/cognitwin/news-and-events/workshop-22-march-2021/	
5	Smart Steel Pipe Production Plant via Cognitive Digital Twins: A Case Study on Digitalization of SWP	The 3 rd ESTEP WORKSHOP Impact and opportunities of Artificial Intelligence in the Steel Industry	22.10.2020	Özlem Albayrak (TEKNOPAR)	https://www.estepeu/assets/uploads/Al-ML-Workshop-ProgramKeynote-lecture-flyer-programme-final.pdf	
6	Digitalization of a Steel Pipe Production Factory: STEEL4.0- A Family of Products Developed on Routes from Industry 3.0 to Industry 4.0	The 5th International Iron & Steel Symposium (01.04.2021-03.04.2021)	01.04.2021	Özlem Albayrak (TEKNOPAR)	https://udcs21.karabuk.edu.tr/wp-content/uploads/2021/03/UDCS21-FULL-PROGRAMME-1.pdf	
7	Digital Twin solutions – example of application in process industry	Webinar organized by COGNITWIN Forsterk, TEKNA and DigiPro (Norway) on 27-May-2021	27.05.2021	Frode Brakstad (SINTEF), Dr. Sudi Jawahery/Dr. Stein O. Wasbø (Cybernetica) (WP1 Hydro)	https://www.sintef.no/en/events/archive/2021/webinar-digital-twin-solutions-example-of-application-in-process-industry/	https://www.youtube.com/watch?v=luBMW5K4nsA
8	Big Data and AI Pipeline In COGNITWIN Project	Big Data and AI Pipelines in Big Data PPP Projects from a Technology Analysis and Benchmarking Perspective, Data Week 2021	26.05.2021	Perin Ünal (TEKNOPAR)	https://www.idc.com/eu/for-eu/explore/news?id=8b0ad28b8adf552ee5a0	
9	A Comparison of Deep Transfer Learning Methods on Bearing Fault Detection	The 8th International Conference of Future Internet of Things and Cloud (FiCloud 2021) on http://www.ficloud.org/2021/	25.08.2021	Bilgin Umur Deveci (TEKNOPAR)	http://www.ficloud.org/2021/Advanced-programme-2021.pdf	
10	A Comparison of State-of-the-Art Machine Learning Algorithms on Fault Indication and Remaining Useful Life Determination by Telemetry Data	The 8th International Conference of Future Internet of Things and Cloud (FiCloud 2021) on http://www.ficloud.org/2021/	24.08.2021	Özlem Albayrak (TEKNOPAR)	http://www.ficloud.org/2021/Advanced-programme-2021.pdf	
11	Cognitive Digital Twins: Challenges and opportunities for semantic technologies	Keynote at the International Workshop on Semantic Digital Twins (SeDT 2020) co-located with the 16th European Semantic Web Conference (ESWC 2020) Semantic Web Conference (ESWC 2020).	03.06.2020	Liljana Stojanovic (Fraunhofer IOSB)	http://ceur-ws.org/Vol-2615/	
12	AAS & IDS: FA*ST – An approach and tools for I4.0-compliant, hybrid and data-sovereign Digital Twins	Webinar "Asset Administration Shell (AAS): Interoperable Digital Twins for Industry4.0"	25.06.2021	Liljana Stojanovic (Fraunhofer IOSB)	Asset Administration Shell (AAS): Interoperable Digital Twins for I4.0 Registration, Fri 25 Jun 2021 at 15:00 Eventbrite	
13	A Data Processing Platform for Predictive Maintenance in Industrial Context	Data Science in Process Industries, European Network for Business and Industrial Statistics (ENBIS)	17.05.2021	Perin Ünal (TEKNOPAR)	https://conferences.enbis.org/event/6/contributions/49/	
14	Turkey in Horizon Europe: Experience from a successful Turkish organisation, TEKNOPAR	GENERAL & INTRODUCTORY TRAINING ON CLUSTER 4: ICT & DIGITAL TRANSFORMATION & RESILIENT INDUSTRY organized by TUBITAK	08.04.2021	Perin Ünal (TEKNOPAR)	http://turkeyinh2020.eu/event/general-introductory-training-in-horizon-europe-webinar-horizon-europe-strategic-plan-2021-24-wp-for-ict-digital-transformation-cluster-4/	
15	FA3ST (Fraunhofer Advanced AAS Tools for Digital Twins)	"Connected Factories" thematic meeting on AAS and IDS/Gala-X organized by EFFRA	12.10.2021	Liljana Stojanovic (Fraunhofer IOSB)		
16	Industry 4.0 Powered Digital Twin Platform for The Steel Industry, and Its Added Values	The 9th International Steel Industry and Production Technologies Conference	22.10.2021	Özlem Albayrak (TEKNOPAR)	https://imcorganization.com/konferansdetay?207lang=en	
17	COGNITWIN - Cognitive plants through proactive self-learning hybrid digital twins	The Digital Process Industries of the Future (IndustriUka 2021), Porsgrunn (Norway)	22.10.2021	Akhlesh Srivastava (SINTEF)	https://www.sintef.no/projectweb/cognitwin/news-and-events/cognitwin-at-industri-uka-2021/	https://www.youtube.com/watch?v=Gucia6ymvmg
18	Sensors in demanding environments	The Digital Process Industries of the Future (IndustriUka 2021), Porsgrunn (Norway)	22.10.2021	Anders Hansen (SINTEF)	https://www.sintef.no/projectweb/cognitwin/news-and-events/cognitwin-at-industri-uka-2021/	https://www.youtube.com/watch?v=Gucia6ymvmg
19	Digital Technology for Real-Time Optimisation and Advanced Process Control of Chemical Reactors	The Digital Process Industries of the Future (IndustriUka 2021), Porsgrunn (Norway)	22.10.2021	Peter Singstad (Cybernetica)	https://www.sintef.no/projectweb/cognitwin/news-and-events/cognitwin-at-industri-uka-2021/	https://www.youtube.com/watch?v=Gucia6ymvmg
20	Hybrid Digital Twin for Stable Alumina Fluorination at Aluminium Production Plant	The Digital Process Industries of the Future (IndustriUka 2021), Porsgrunn (Norway)	22.10.2021	Sudi Jawahery (Cybernetica)	https://www.sintef.no/projectweb/cognitwin/news-and-events/cognitwin-at-industri-uka-2021/	https://www.youtube.com/watch?v=Gucia6ymvmg
21	Operator Support System for Silicon Refining	The Digital Process Industries of the Future (IndustriUka 2021), Porsgrunn (Norway)	25.10.2021	Kasper Linnestad (Cybernetica)	https://www.sintef.no/projectweb/cognitwin/news-and-events/cognitwin-at-industri-uka-2021/	https://www.youtube.com/watch?v=Gucia6ymvmg
22	Smart Digital Twin Platform: Digital Transformation in Manufacturing	Turkish Steel Pipe Manufacturers Association	19.10.2021	Özlem Albayrak (TEKNOPAR)		
23	Tmat-SynDat: A synthetic Data Generator	DigiPro and COGNITWIN Forsterk Webinar	29.11.2021	Özlem Albayrak (TEKNOPAR), Akhlesh Srivastava (SINTEF)	https://www.sintef.no/projectweb/cognitwin/news-and-events/teknopar-webinar/	https://www.youtube.com/watch?v=yv6AZrL4B8g
24	Cognitive Digital Twin Pipelines in the TransContinuum	EBDVF '2021 - European Big Data Value Forum	01.12.2021	Arne J. Berre (SINTEF)	European Big Data Value Forum 2021 Agenda (b2match.io)	European Big Data Value Forum 2021 Agenda (b2match.io)
25	Introduction to Digital Twin referende models and standards	EBDVF '2021 - European Big Data Value Forum	03.12.2021	Arne J. Berre (SINTEF)	https://european-big-data-value-forum.b2match.io/agenda?session=c2Vzc2lvbio5OTOzNQ%3D%3D	

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26	Methodology and Tools for Digital Twin Management – The FA3ST Approach	EBDVF 2021, Session "Digital Twins in Manufacturing and the role of RAMI Asset Administration Shell"	03.12.2021	Ljiljana Stojanovic (Fraunhofer IOSB)	European Big Data Value Forum 2021 (b2match.io)	Digital Twins in Manufacturing and the role of RAMI Asset Administration Shell - YouTube
27	FA3ST - Fraunhofer Advanced AAS Tools for Digital Twins	SAP Inspiration Session	08.12.2021	Ljiljana Stojanovic, Michael Jacoby, Friedrich Volz (Fraunhofer IOSB)		
28	COGNITWIN intro (Industrial relevance)	DigiPro Conference on Digitalisation driven Green, Sustainable and Competitive Process Industries, 5 May 2022, Mo i Rana, Norway.	05.05.2022	Akhilesh K. Srivastava, SINTEF	https://arcticclusterteam.no/arrangement/act-cognitwin-conference/	
29	Sensors for Process Industries	DigiPro Conference on Digitalisation driven Green, Sustainable and Competitive Process Industries, 5 May 2022, Mo i Rana, Norway.	05.05.2022	Anders Hansen, SINTEF	https://arcticclusterteam.no/arrangement/act-cognitwin-conference/	
30	Model-based Real-time Control Applications for Process Metallurgy	DigiPro Conference on Digitalisation driven Green, Sustainable and Competitive Process Industries, 5 May 2022, Mo i Rana, Norway.	05.05.2022	Kasper J. Linnestad, Cybernetica	https://arcticclusterteam.no/arrangement/act-cognitwin-conference/	
31	Industrie 4.0-compliant Digital Twins	DigiPro Conference on Digitalisation driven Green, Sustainable and Competitive Process Industries, 5 May 2022, Mo i Rana, Norway.	05.05.2022	Ljiljana Stojanovic, Fraunhofer IOSB	https://arcticclusterteam.no/arrangement/act-cognitwin-conference/	
32	Model-based monitoring for CFB boiler fouling management	DigiPro Conference on Digitalisation driven Green, Sustainable and Competitive Process Industries, 5 May 2022, Mo i Rana, Norway.	05.05.2022	Enso Ikonen (UOULU)	https://arcticclusterteam.no/arrangement/act-cognitwin-conference/	
33	Fouling management for combustion-thermal power plant	DigiPro Breakfast Webinar	07.06.2022	Mika Liukkonen (SFW), Istvan Selek (UOULU), Anders Hansen (SINTEF)		https://www.youtube.com/watch?v=3h1Lgmz9aD0
34	Experience with digital twins and their implementation with FA3ST	SAP Inspiration Session	12.10.2022	Michael Jacoby, Jens Müller, Christian Weißenbacher (Fraunhofer IOSB)		
35	FA3ST	IDTA Software Landscape Meeting	19.10.2022	Ljiljana Stojanovic, Michael Jacoby, Jens Müller (Fraunhofer IOSB)		
36	Introduction to Digital Twins and Standards	Digital Twin and standards session @ EBDVF 2022	22.11.2022	Arne J. Berre (SINTEF)	https://european-big-data-value-forum.eu/2022-edition/programme/	
37	Process industry domain: COGNITWIN project - Using the Asset Administration Shell (AAS) specification for the realization of digital, hybrid and cognitive twins	Digital Twin and standards session @ EBDVF 2022	22.11.2022	Ljiljana Stojanovic (Fraunhofer IOSB)	Programme - European Big Data Value Forum (european-big-data-value-forum.eu)	
38	COGNITWIN project	P4Planet and Cognitive Plant projects joint workshop	21.02.2023	Arne J. Berre (SINTEF), Lars Klemet Jakobsson (ELKEM), Perin Únal, (Teknopar)	https://www.cogniplant-h2020.eu/2023/02/23/p4planet-and-cognitive-plant-projects-joint-workshop/	