

Room Einstein (-1)

DT-FOF-12-2019; DT-ICT-03-2020 IAMS; DT-ICT-07-2018-2019
Handling systems for flexible materials, the update of digital game changers and Digital Manufacturing Platforms for Connected Smart Factories

REMODEL

The REMODEL Project: needs, new technologies and challenges for automation in the wiring industry
Gianluca Palli

BETTERFACTORY

BetterFactory – involving artists in manufacturing innovation
Magnus Simons

KITT4SME

Platform-enabled kits of Artificial Intelligence for an easy uptake by SMEs: two success stories
Rodolfo Haber

SHOP4CF

'SHOP4CF: Key Exploitable Results and Sustainability plan
Pieter Becue

VOJEXT

VOJEXT moving to operational stage
Maria Eugenia Beltran

Room Archimedes (0)

HE-CL4-2021-TT-01-02
HZero-defect manufacturing towards zero waste

ZDZW

Taking advantage of digitally enhanced zero-waste manufacturing
Oscar Salgado

TURBO

TURBO overview-Towards turbine blade production with zero waste
Nikos Pantelelis

PLATFORM-ZERO

Platform-ZERO: Achieving zero defect manufacturing for the photovoltaic industry
Victor Izquierdo-Roca

OPENZDM

In Pursuit of Zero-Defect Manufacturing: The openZDM project approach
Nikos Nikolakis

FLASH-COMP

FLASH-COMP: Flawless and sustainable production of composite parts through a human centred digital approach
Aitor García de la Yedra

Room Newton (0)

DT-FOF-06-2019; DT-ICT-07-2018-2019; HE-CL4-2021-TT-01-07
Refurbishment and re-manufacturing of large ind. equipment. Digital manufacturing platforms & AI for sustainable, agile manufacturing

RECLAIM

Increased productivity, resource efficiency and a competitive edge -- The RECLAIM Project
Michael Peschl

KYKLOS 4.0

The KYKLOS 4.0 Circular Manufacturing Framework a sustainable path to circular manufacturing
Jason Mansell

S-X-AIPI

s-X-AIPI project - Artificial Intelligence toolset for European Process Industry with self-X abilities and MAPE-K methodology
Daniel Gómez

DIGIPRIME

DigiPrime: digital platform for circular economy in cross-sectorial sustainable value networks
Marcello Colledani

CIRCULAR TWAIN

Circular TwAIIn: integrating Data Spaces, Digital Twins and Artificial Intelligence for Sustainable and Circular Manufacturing
Angelo Marguglio

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DT-ICT-03-2020 I4MS
Update of digital game changers

PULSATE

PULSATE – Boosting the uptake of Laser Based Manufacturing in European SMEs

Pablo Romero

DIGITBRAIN

The DIGITbrain solution: a modular approach to innovate the manufacturing industry with digital twin technology

Gabor Vicze

CHANGE2TWIN

CHANGE2TWIN: Digital Twin for every manufacturing SME!

Tor Dokken

AI REGIO

'AI REGIO: Regions and DIHs alliance for AI-driven digital transformation of European Manufacturing SMEs

Sergio Gusmeroli

Room Archimedes (0)

DT-FOF-11-2020; HE-CL4-2021-TT-01-02
Quality control in smart manufacturing and Zero - defect manufacturing towards zero -waste

OPTIMAI

OPTIMAI: Industry 5.0 through the lens of AI and XR

Lampros Leontaris

I4Q

'Industrial Data Services for Quality Control in Smart Manufacturing - the I4Q project

Ilias Gialampoukidis & Georgia Apostolou

DAT4.ZERO

Zero Defect Manufacturing a key enabler to Manufacturing Systems including circularity

Odd Myklebust

ENGINE

ENGINE: first-time-right and zero-defect-manufacturing

Marzuk Kamal

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HE-CL4-2021-TT-01-01; ICT-38-2020
AI enhanced robotics system for smart manufacturing and Artificial Intelligence for manufacturing

COGNIMAN

HEU COGNIMAN – COGNitive Industries for smart MANufacturing

Antonio M. Ortiz

KNOWLEDGE

Redefining Manufacturing: Empowering humans with AI-driven solutions from edge-to-cloud

Stefan Walter

AI-PROFICIENT

AI-PROFICIENT project: Bringing advanced AI technologies to edge / cloud / decision manufacturer layers and facilitating the cooperation between humans and machines, using Ethics by Design approach

George Triantafyllou

MERGING

Recent advances and outlook in non-rigid parts manipulation, the MERGING approach

Dionisis Andronas

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HE-CL4-2021-TT-01-01; ICT-38-2020
AI enhanced robotics system for smart manufacturing and Artificial intelligence for manufacturing

FLUENTLY

Fluently – The essence of Human-Robot Interaction
Avram Oliver

CONVERGING

Social industrial collaborative environments integrating AI, Big Data and Robotics for smart manufacturing – CONVERGING
Nikos Dimitropoulos

COALA

COALA - AI-Based Digital Assistants in Smart Manufacturing
Gregoris Mentzas

ASSISTANT

ASSISTANT (leArning and robuSt deciSlon SupporT systems for agile mANufacTuring environments)
Alexandre Doigui

Room Archimedes (0)

HE-CL4-2021-TT-01-08
Data-driven Distributed Industrial Environments

ZERO-SWARM

Zero-SWARM: A Digital & Green Transition of the European Manufacturing Sector through B5G & Innovative Technologies
Pouria Khodashenas

RE4DY

RE4DY – Shaping the future of Manufacturing Data Networks
Oscar Lázaro

5G-TIMBER

Digital Twin Enabled Augmented Reality Solutions for the Wood Industry
Tauno Otto

Room Newton (0)

HE-CL4-2021-TT-01-03; HE-CL4-2021-TT-01-05
Laser-based technologies for green manufacturing and Manufacturing technologies for bio-based materials

OPERATIC

OPeraTIC – High power ultra-short pulse laser processing of large, complex 3D surfaces
Pablo Romero

METAMORPHA

METAMORPHA overview- Made-to-measure micromachining with laser beams tailored in amplitude and phase
David Bruneel

INSHAPE

InShaPe: Innovation through laser beam shaping in metal-based AM
Mikkel Pedersen

AMBIANCE

AMBIANCE project: transforming Urban outdoor applications with Bio-based Materials and Digital Manufacturing Technologies
Elena Minisci

Room Einstein (-1)

ICT-38-2020
Artificial intelligence for manufacturing

XMANAI

eXplainable AI in Manufacturing – the XMANAI project experience
Michele Sesana

TEAMING.AI

Human-AI Collaborative Intelligence in Manufacturing via Knowledge Graphs
Franz Krause

STAR

STAR: Enabling Industry 5.0 based on Trusted Artificial Intelligence
John Soldatos

MAS4AI

MAS4AI : Multi-Agent Systems for Pervasive Artificial Intelligence for assisting Humans in Modular Production Environments.
Andrey Girenko

Room Archimedes (0)

DT-FOF-07-2020; DT-FOF-08-2019; DT-FOF-10-2020
Assembly of micro parts, Pilot lines for modular factories, Pilot lines for large - part high-precision manufacturing

MESOMORPH

MESOMORPH - All-in-one machine for hybrid technologies enabling high value added multi-scale integrated micro-optoelectronics
Ivan Brugnetti

DIMOFAC

Why and how the synergy of multiple skills enables the development of the modular factory
Cécile Girardot

PENELOPE

Closed-loop digital pipeline for large-part and high-precision manufacturing
Felix Vidal

Room Newton (0)

DT-FOF-09-2020
Energy-efficient manufacturing system management

ENERMAN

EnerMan H2020 Project
Alberto Casanova & Astik Samal

E2COMATION

Advanced energy management and optimization for smart Industry 5.0 manufacturing
Andrea Ballarino

DENIM

DENiM: Digital Intelligence for Energy Efficient Manufacturing - Pathways to Practice
Alan McGibney

16h50- 17h10

Ending session

Željko Pazin (Executive Director, EFFRA)
Jürgen Tiedje (DG RTD, Head of Unit, Industrial Transformation)
Malgorzata Nikowska (DG CNCT, Head of Unit, Digital Transformation of Industrial Ecosystems)

Networking Cocktail

17h10- 18h00