

## 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**

## Room Einstein (-1)

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

*Anssi Laukanen*

## Room Newton (0)

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*

## Room Einstein (-1)

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