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PANEL for TRACK 2: Smart emerging technologies for Industry 4.0

Smart Technologies & Best Practices for Industry 4.0 and Digital Transformation

TUESDAY - September 11, 11:00-13:00, Aula Magna

Time	Author/Presenter	Affiliation	Title	Note
11:00	Leopoldo Angrisani	University of Napoli Federico II	Italian Industry 4.0 Plan: Current Scenario and Open Issues	
11:15	Antonio Ferraro	RINA	Certification of Industry 4.0 Practices: RINA Proposals	
11:30	Liborio Ardizzone	Owac	Innovative applications in the industrial sector: eco-sustainable green facilities	
11:45	Davide Tommasi	Sicindustria – Distilleria Bertolino	A real experience of circular economy	
12:00	Massimo Cossentino	CNR	Smart Reconfiguration of Shipboard Power Systems	
12:15	Giuseppe Scrivano	Marine & Industrial Consultings	Indoor localization and navigation, location and context-aware services	
12:30	Delia Milazzo	Montalbano Srl	Innovation and Technology for Smart City and Environmental Recycling Solutions	
12:45	Open Discussion			

ABSTRACT:

"Industry 4.0" and the digital transformation, more in general, identify a set of innovative technologies for both product and service industry, aiming to enhance machine quality and achieve better performance by introducing new features such as advanced interaction between man and robot, intelligent maintenance and big data management. They are transforming the design, manufacture, operation and service of products and production systems. According to the most accredited technical literature, connectivity and interaction among parts, machines, and humans can make production systems as much as 30 percent faster and 25 percent more efficient and elevate mass customization to new levels. Manufacturing, in particular, is being transformed from single automated cells to fully integrated, automated facilities that communicate with one another and boost flexibility, speed, productivity, and quality. Their impact is expected to be significant. Although the full shift toward Industry 4.0 might take about 20 years to reach complete fruition, in the next few years key advances are going to be established and winners and losers are going to emerge.

This workshop aims to present and discuss experiences and best practices from different points of view and observers, taking also into account the national political and economic scenario.