



Erasmus + KA2 Cooperation for innovation and the exchange of good practices **Capacity Building in** the field of Higher Education

Proposals 2019 - EAC/A03/2018

Project Grant Agreement N. 586221

Project acronym: NePRev

Full title: Setting up a multidisciplinary joint master degree dedicated to the Next Production Revolution

### STRATEGY FORUM WORKSHOP

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	Person Responsible: Hamdi Kessentini
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### Executive summary

In this report, we present the Strategy Forum of NePReV including its agenda stating overall objectives, schedule/venue, different technical sessions, a list of keynote speakers, speakers, chairmen/chairwoman, dissemination and participants.

### Introduction

The rapid pace of technological innovation is continuously changing the skill sets required to effectively perform roles within manufacturing. The lack of, and inability to acquire the necessary skills and competencies amplify skill gaps in workers. The skills gap phenomenon is one of the most pressing issues faced by the industry today. In addition, societal megatrends such as ageing workers compound the complexity of tackling the skills challenge, increasing the need for more creative solutions.

### Objectives

The International Forum for Next Production Revolution (NPR) in its first edition has been organized at Institut Supérieur de Gestion Industrielle de Sfax ISGIS on February 19<sup>th</sup>, 2020 and aims to develop a closer connection between universities and industries and reinforce the role of Tunisian universities to promote the transition toward the Next Production Revolution and adapting to the evolving needs of the labour market in Tunisia. Industrials and academics from all Tunisia have participated to this forum.





















### International Forum For Next Production Revolution

19<sup>th</sup> February 2020

The next production revolution is occurring because of a confluence of digital technologies (e.g. 3D printing, the Internet of Things, advanced robotics), new materials (e.g. bio- or nano-based), and new processes (e.g. data-driven production, artificial intelligence, renewable energy).

This forum aims to develop a closer connection between universities and industries and reinforce the role of Tunisian universities to promote the transition toward the Next Production Revolution and adapting to the evolving needs of the labour market in Tunisia.

Contact: Dr. Hamdi KESSENTINI







### Technical sessions

The International Forum for Next Production Revolution consisted of two main sessions. The first session is a plenary session whose first objective is to present the advanced equipment for industry 4.0 and how to integrate these solutions into Tunisian industry. The second objective is to present the ERASMUS+ project NEPREV « Setting up a multidisciplinary joint master degree dedicated to the next production revolution ». The second session is a Table round whose objective is to perform a discussion between academics and industrials about the Next Production Revolution. This discussion should be able to identify the overall approach of capacity building in NPR in Tunisia including challenges and opportunities. The outcomes of the whole forum may help to design the multidisciplinary joint master degree dedicated to the Next Production Revolution and involve stakeholders for the future sustainability of the master

### Chairmen

The chairmen of both sessions was Hamdi Kessentini, PhD in thermal engineering in 2014 from Politechnic University of Catalonia (UPC). Hamdi Kessentini is an assistant professor in industrial engineering and director of the career center at the Higher Institute of Industrial Management of Sfax ISGIS. He is PhD Engineer researcher at École Nationale d'Ingénieurs de Tunis ENIT with 15 years of experience in the field of numerical simulation of heat transfer and fluid dynamics in solar thermal systems. He is the project holder of the project PAQ-4C ISGIS, 2019-2020, PROMESSE. He was coordinator of the project between ISGIS and IMW Franhaufer center, 2018. He was also the project holder of the bilateral PCI AECID project ENIT-Tunisia and UPC-Spain 2010.

### Keynote speakers

The keynote speakers of the first session were:

- Ahmed Frikha: Director of ISGIS
- Abdelwahed Mokni: President of Sfax University
- Hamdi Kessentini: Director of the career center and project holder of NEPREV project at ISGIS
- Firas Atallah: Engineer at FESTO Tunisia
- Mehdi Kammoun: Manager of SAMM Test & Automation company.





• Pierluigi Leoni: Politecnico di Torino

The keynote speakers of the second session were:

- Chiheb Bouden: Professor ENIT & ex Minister of Higher Education
- Ahmed Ben Messaoud: President of the Union of Small and Medium Industries, UPMI
- Mohamed Belhaj: director of student center for innovation, transfer and entrepreneurship at Sfax university
- Mahdi Ben Hmouda: Director of Green Power Company
- Mohamed Medhaffar (Tunisia Africa Business Council, TABC Sfax)

### Agenda







### Photos of the forum

In this forum about 250 participants have assisted between professors (30), industrials (20), researchers (20), students (160) and NePRev members (20) (the list of participants is included in the appendix).

Important Industrials have assisted to the forum from food industry (Triki group), ceramic industry (Cartago Ceramic Group), petrochemical industry (Groupe chimique), TIC (Sfax technopark, CRNS), Automobile industry (SAMM, ACTIA), recycling industry, oil industry, renewable energy (GPC), (STEG).



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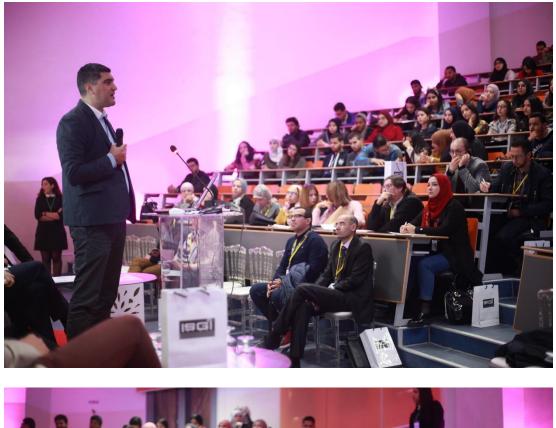
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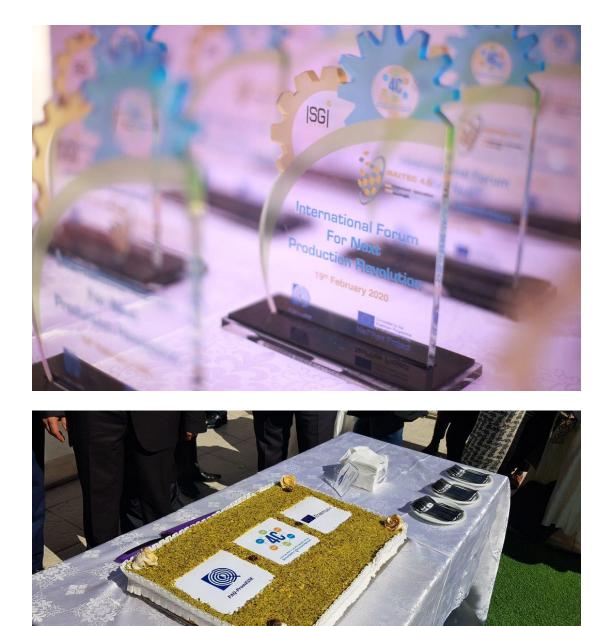














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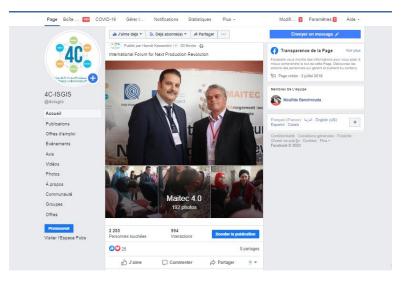




### Dissemination

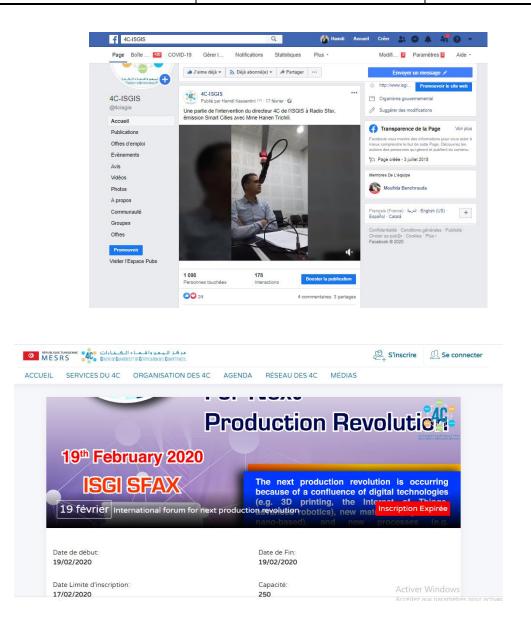
The dissemination of the Forum has been ensured at regional level, national level and international level. It was published electronically at the official Facebook page of the 4C center of the ISGIS, at the page of Sfax history (one of the most popular pages in the region), at Sfax Radio (the most popular Radio channel of the region), through the national platform <u>www.4c.tn</u> and through the web site of the NePRev Project.















### Appendix

List of participants.











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