



# Newsletter No 4

December 2018

## Coordinator:



Dear Readers,

The UMi-TWINN team is wishing you a merry Christmas and a happy holiday season. Recently, we received a good news from the European Commission which authorised us to extend the project to the end of March 2019. This extra time will allow us to achieve even more activities and increase the overall impact of the project.

## Partners:



On the last period of UMi-TWINN project, the consortium partners – the University of Miskolc, Fraunhofer-IFF, Technical University of Graz and Intelligentsia Consultants – organised several project events aiming to disseminate the results obtained and promote UMi excellence in logistics technologies.

All the information and news about the UMi-TWINN project are available on our [UMi-TWINN website](#).



*Enjoy your reading!*



*The UMi-TWINN project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691942*

## ***UMi-TWINN Coordinator received the 'Honorary Pen' award of the Hungarian Association of Logistics***

Prof. Dr. Illés Béla, head of the Institute of Logistics and coordinator of the UMi-TWINN project received the 'Honorary Pen' award of the Hungarian Association of Logistics on 21st of February 2018 at the Main Building of the Hungarian Scientific Academy in Budapest.

Prof. Béla Illés received this high award for his outstanding high-level publication activities. The price was awarded by Prof. Dr. László Palkovics, vice-secretary of the Human Resource Ministry of Hungary and Dr. Zoltán Doór, head of the Hungarian Association of Logistics.



## ***International Research Colloquium in Miskolc***

An International Research Colloquium was held at the University of Miskolc from the 28th to the 30th of August 2018.

As part of the colloquium, there has been an exchange of knowledge and experience between scientists from the University of Miskolc, the Technical University Graz, Fraunhofer-IFF. Several topics have been discussed, such as methods for the analysis of logistics, transport, energy and information systems as well as methods of digitizing these systems. In addition to the professional exchange, attendees had the opportunity to discover the Hungarian culture and visit the Borsod region.

## ***GINOP Project started with the cooperation of the Institute of Logistics***

The GINOP Project started as a cooperation between the Biology Research Center of the Hungarian Scientific Academy in Szeged, the University of Miskolc and the company "TÁRS-95". University of Miskolc is represented by the Institute of Logistics.

The full title of the project (No. GINOP2.2.1-15-2017-00100) is "Creating a prototype of reactor plant continuously processing biomass, sewage sludge and other raw materials based on HTC technology". The main objective of the project consists in developing an equipment which can continuously convert biomass, sewage sludge and other waste materials and able to produce fine-ceramics products.

## ***“Logistikwerkstatt Graz” conference in May 2018***

The Technical University of Graz, partner of the UMi-TWINN project, has organised the “Logistikwerkstatt Graz” conference in Graz on the 24 and 25 of May 2018.

The Austrian Styria land is the hotspot for intralogistics and the conference has attracted the global market leading providers of logistic systems, established research institutes of logistics, intralogistics and technical logistics as well as leading developers and manufacturers of logistics technologies.

The aim of the event was to offer a diversified discussion about all fields of internal and external logistics and especially the exchange of experiences to find innovative approaches. During the conference Prof. Bella Illés, UMi-TWINN coordinator, has delivered a presentation dedicated to the “Hungarian logistic landscape”. The Logistikwerkstatt Graz 2018 has focused on performance, energy demand and efficiency in logistics and more specifically on:

- Today’s efficient logistics
- Physical Internet – a solution for efficient logistics?!
- Energy demand and efficiency in intralogistics



## ***Intent Declaration between the University of Miskolc and the Robert Bosch Power Tool Company***

An Intent Declaration was signed on the 20<sup>th</sup> of March 2018 by the Institute of Logistics of the University of Miskolc and the company Robert Bosch Power Tool, in order to establish new cooperation activities between the partners in the field of the education and research. The document covers different type of activities, including:

- Development of new curricula related to logistic courses,
- Involvement of the industrial experts into the presentations of different courses,
- Introduction of new project topics for students at MSc., BSc. and PhD. levels,
- Development of new specialisation related to Industry 4.0 at MSc. and BSc. levels,
- Development of a new, 2-semester education on German language in the logistic area, etc.





## ***Logistic Days 2018 conference at the Fraunhofer-IFF in Magdeburg***

Logistics Days in Magdeburg (Magdeburger Logistiktage) international conference has been organised on the 20<sup>th</sup> and 21<sup>st</sup> of June 2018 at Fraunhofer-IFF's premises in Germany.

The motto of the conference "Logistical rethinking and redesign" describes the need for new approaches and methods in the logistics sector, to address the challenges and changes in the industry. The conference presented the newest trends, the actual challenges and the advanced technical solutions of the industry in four sections: Logistics 4.0 & digital modelling; Rethinking of the efficiency in the production and the logistics; Digitalisation directions and IoT in the logistics.

The staff and PhD. students of the Institute of Logistics at the University of Miskolc have attended the conference as well as the PhD Forum organised prior to the event on 19<sup>th</sup> of June 2018.

## ***UMI-TWINN Summer School at the University of Miskolc - September 2018***

The Institute of Logistics of the University of Miskolc organized a 5-day Summer School in Miskolc on 3<sup>rd</sup> - 7<sup>th</sup> September 2018. During the event, participants took part to a series of trainings and games in the field of logistics technology and visited the Hungarian branch of the company Audi.

The UMi-TWINN summer school in Miskolc was a real success: the event attracted eighteen (18) PhD and Master students who increased their knowledge on logistics technologies and develop new skills and competences in the field. The lectures proposed during the event covered the following topics:

- Advanced handling solutions, Dr. Péter Telek
- Optimization of advanced materials handling processes in the automotive industry - smart scheduling of milk run supply, Dr. Tamas Bányai
- Optimization with Excel Solver, Dr. Laszlo Kota





Contact  via the project website:

**[www.umi-twinn.com](http://www.umi-twinn.com)**

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