



# Regional Finals East

29<sup>th</sup> & 30<sup>th</sup> October 2020

Vienna & Online



Manufacturing



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# Our Partners & Hubs

**Atos**



**ICEBERG<sup>+</sup>**



*University of Ljubljana*



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# Welcome to BoostUp



Dear BoostUp! Guests,

on behalf of EIT Manufacturing, I welcome you to the regional finals of the EIT Manufacturing BoostUp! Competition 2020.

This little brochure should give you an overview about our event. For our first BoostUp! Competition, we would like to introduce to you our candidates with their highly innovative ideas in the three categories *Create*, *Accelerate* and *Transform*. Our jury will have the difficult and honourable task to assess their presentations. We also have the pleasure of welcoming three outstanding keynote speakers on stage, who will contribute to making this event an unforgettable memory.

For those who are with us in Vienna, please find the contact details of your hosts for the BoostUp! Competition on the last side of this brochure, in case you have any questions or need support.


We are happy to have you as our guests.

Sincerely,

Hannes Hunschofsky



 **Bundesministerium**  
Digitalisierung und  
Wirtschaftsstandort

 **Bundesministerium**  
Klimaschutz, Umwelt,  
Energie, Mobilität,  
Innovation und Technologie

 **Bundesministerium**  
Bildung, Wissenschaft  
und Forschung



## Gerhard Hirczi CEO Vienna Business Agency

Since 2009, Gerhard is CEO of the Vienna Business Agency, supporting local and international companies in all phases of their business development, providing advice on all corporate issues and helping expats get up and running in Vienna.

Earlier, Gerhard served in the Austrian Federal Chancellery as consultant in the department of economic coordination and as an economic advisor to the federal chancellor of Austria, before he joined Siemens in 1997. At Siemens, he held various positions, including Secretary General and Spokesman, Head of Personnel Development and Vice President of HR for Austria and later for Central & Eastern Europe.

vienna  
business  
agency



## Klaus Beetz CEO EIT Manufacturing



Klaus looks back on more than three decades of industry experience in software and system engineering. Over the years, he gathered extensive intercultural experience in numerous international projects involving multicultural cooperation, especially on the European level.

He joined Siemens in 2002 as Head of Corporate Technology Global System Development and later became Vice President for External Cooperation. From 2011 to 2015 he was Business Director at EIT Digital and from July 2016 to December 2017 he was Interim COO at EIT Food. In July 2018, he joined EIT Manufacturing as CEO.





# Guest Speaker

## Paul Rübig

Dr. Paul Rübig had been a member of the European Parliament from 1996 to 2019 and belonged to the European People's Party (EPP). He was a full member of the Committee on Industry, Research and Energy and the Committee on Budgets. In addition, he was substitute member of the Committee on Development and of the Committee on International Trade. Furthermore, Paul Rübig was member and Vice-Chair of the Delegation for Relations with the Korean Peninsula, and substitute member of the Delegation for relations with Switzerland, Norway and the EU-Iceland and the European Economic Area Joint Parliamentary Committees.

Paul Rübig is very active in the field of small-scale business promotion. He is president of SME Global, a working group of the International Democrat Union (IDU), whose objective it is to support small and medium-sized enterprises (SME) and to improve their business environment. He was the Chairman of STOA (Scientific Technology Options Assessment), an official body of the European Parliament that is supported by external experts such as universities, scientists or research institutes.

In 2019, Paul Rübig became a member of the Advisory Board of Rübig Holding GmbH and in 2020 member of the Governing Board of the EIT (European Institute of Innovation & Technology) and member of the European Economic and Social Committee.



European Institute of  
Innovation & Technology



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# Accelerate Expert Jury



**Norbert Frömmer** Managing Director – LRS Consulting

Norbert is founder and executive partner at LRS Consulting. His work focuses on complex commercial, organizational and corporate tasks and the implementation of the developed solutions established during the consulting processes.



**Johann Hipfl** CEO – HIBEG

Johann is a passionate senior executive with almost 40 years of experience in successfully leading organizations in a global environment by focusing on culture, innovation and the human factor. Since 2017, he is also acting as an entrepreneur and business angel to help start-ups to successfully master their market entry.



**Wolfram Irsa** Senior Lecturer – University of Applied Sciences Joanneum

Wolfram has a long experience record (Hamburg, Silicon Valley, Shanghai, Seoul) at industrial companies in the automotive supplier industry, semiconductor industry and pharmaceutical wholesale industry, being responsible for production, quality, logistics, organization & information systems, and customer service.



**Peter Kuen** Teamlead Intelligent Production – Wirtschaftsagentur Wien

Peter has more than ten years of experience in community building in the sectors automotive, environment, ICT and innovation. He has a proven record of successfully supporting companies in their business creation phase.



**Maarten K. Pieters** Head of CoCreation and People Insight – Signify

Maarten is a catalyst of value-creating innovation in Industry 4.0. As an innovation manager with an emphasis on co-creation and collaborative eco-systems, he guides the organization to mature its co-creative capability and strengthen its innovation power.



**Peter Steinrück** Innovation Expert – Steinrück Consulting

Peter has more than 30 years of experience in the automatization industry, and he founded the European Forum for Reciprocating Compressors. His is an expert in technology assessments, market opportunity reviews, and organizational consulting in relation to technology, development and digitalization.





# Accelerate Candidates

**twinzo j.s.a.**



Twinzo changes the way manufacturing companies are looking and can look at their whole production process in its complexity. Their 3D Live Digital Twin can visualize in 3D any type of data, from any type of source, on any type of device, anytime and anywhere and become so the management's central point for decision making.

**Campfire Solutions GmbH**



We develop software that enables domain experts without an IT background to process and analyze sensor data. This lets them identify the value of improvement measures, potential of new business models and reduce cost and environmental impact fast.

**Incus GmbH**



Incus is a high-tech system provider for additive manufacturing of metal powder. With its newly developed lithography-based method of processing a wide range of materials, Incus is able to set new standards for the additive manufacturing of metals.

**iERP j.s.a.**



iERP is providing an all-in-one business prediction platform that is easy to use, software for business users with purpose-built algorithms resolving various business issues by utilizing AI with support of external indicators at an affordable price.



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**Ascalia d.o.o.**

**Ascalia**

Ascalia helps factories analyze and optimize operational efficiency and resources usage. Thanks to a mix of IoT devices and machine learning algorithms, even old machinery can become industry 4.0-capable without a large capital investment.

**D-Cube Immersive Solutions**



**D-cube**  
IMMERSIVE SOLUTIONS

D-Cube is a spin-off company of the Visual Computing Lab/CERTH and specializes in cutting-edge quality assurance solutions for diverse industrial domains, using computer vision, machine learning, artificial intelligence and big data analytics.



**White Lemur d.o.o.**

We believe in a Healthier World – Building a sustainable future, one mushroom at a time. We are a startup focused on creating and manufacturing biodegradable materials.



**PrintStones GmbH**

**PRINTSTONES**

Printstones develops robotic construction systems for the block pavement and concrete industry. Automated Just-In-Time production enables design options, reduces the need for hard manual labor and helps to optimize lead times and logistic costs.

**Atlas Agro Science**



Innovative solutions for agriculture delivered through waste-free technology applying circular economy principles.

**The Voice of Slovak Business Ltd.**

**manualio**

This innovative automated platform provides a direct yet invisible connection to users who can download product instruction manuals with our technology via a QR-code, which in turn provides the manufacturer with vital user information.



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**Urban Oasis d.o.o.**

Urban Oasis represents a concept to help people grow their favorite greens, in an indoor plant-cultivating device, while analyzing data to predict their behavior for a more sustainable future.



**Voltrax EOOD**

Voltrax is a manufacturing company dealing with battery pack assembly for light EVs such as e-bikes, e-scooters, kick-scooters.



**Bibbaz d.o.o.**

Beez&Toys - The healthiest toys for babies and nature, a plush toy with a thermodynamic inner layer made of natural beeswax, which transforms this plush toy in a clay-like toy which enables children to make shapes and forms as they wish and imagine.

**Expansion House s.r.o.**



Edquip is an online marketplace promoting learning systems. These are used for teaching technical skills for vocational professions, which used to be manual but are quickly turning more technical and digital.

**Digital worx d.o.o.**

**digital worx**

Digital worx is helping small and medium factories to organize, plan, monitor and analyze their planning and maintenance activities.

**RADICOS Technologies GmbH**



Radicos develops and supplies TWIN, a patented hardware sensor platform for industrial IoT applications in harsh environments. Sensors can be used as actuators to trigger alarms or activate equipment via e.g. a photocoupler.



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# Guest Speaker



## Mark Gallagher

Mark Gallagher  
THE BUSINESS OF WINNING



Mark's career in Formula One started in 1983, spending seven years working in the media and as a consultant to Philip Morris International before joining Eddie Jordan's fledgling Grand Prix team in 1990. He was a member of the team's management board, having full responsibility for the team's day-to-day marketing and commercial activities. He became part of the newly created Red Bull Racing management team in 2004 and was invited to lead Cosworth's return to Formula One as an engine and technology supplier in 2010, overseeing its supply of one-third of the teams on the starting grid.

During his career he has worked with many of the sport's leading drivers, including former World Champions Ayrton Senna, Michael Schumacher, and Jenson Button. Today he works closely with a number of the sport's major stars including David Coulthard, Mika Hakkinen, and Jacques Villeneuve.





# Transform Expert Jury



**Michael Heiss** Project Lead Pilotfabriken – Siemens

Michael is Principal for Digital Enterprise at Siemens AG Austria, responsible for the pilot factories in Austria, and Professor for Innovation at TU Vienna. He started his industry career at Bosch and since 1996, he has been holding various leading positions for Knowledge, Innovation and Technology Management at Siemens.



**Kornél Németh** Innovation and Quality Manager – Ivy Technologies

Kornél is an Engineering and Quality Manager at Ivy Technologies and a lecturer at Pannon University. He has a long track record in Quality Assurance Management, having been active in the field for more than ten years.



**Vlatka Petrovic** Head of R&D Transfer Center – University of Zagreb

Vlatka has a background of more than 15 years in technology transfer and project management, having already implemented 15 projects/programmes with support from EIT KICs (Manufacturing, Health and Climate), IPA, World Bank and other funding sources.



**János Suri** Managing Director – Pannon Wood Cluster

János is a lead expert in SRL Advantage Ltd. In recent years, he has been focusing on digital process control. Before establishing his own company, he gained experience in the operation of large companies and larger SMEs.



# Transform Candidates



**ROSEAL S.A.**

Roseal is an innovative SME with long-term experience in sealing systems. Activities include research, design, production, repairing, technical assistance and commercialization of almost all kind of existing sealing systems and sealing materials.



**Katty Fashion Ltd.**

Katty Fashion is a highly innovative SME in the regional fashion industry of North-East Romania. It is transitioning from a rather unsustainable garments manufacturing business model to a highly innovative and sustainable one.



**HOLLEN s.r.o.**

Hollen helps automotive manufacturers and their suppliers to improve the quality of their production and to maintain their supplier evaluation. They are a Slovak company with German know-how, present in Slovakia, Czech Republic, Hungary & Russia since 2001.



**CSF Electric Ltd.**

**CSF ELECTRIC**  
Feather Processing Machines

CSF-Electric Ltd. was founded in 2014. Its main activity is to produce textile industrial devices, including washing, drying, cooling, and dedusting machines; wet and dry silos, feather sorters, vacuum boxes, duvet and pillow filling machines.



# Guest Speaker

## Gerlinde Kaltenbrunner



Gerlinde Kaltenbrunner is a professional mountaineer out of passion. She lives in Upper Austria and whenever she finds the time, she is out rock climbing, mountaineering in the Alps or on expedition.

Gerlinde Kaltenbrunner trained as a nurse and after a short intermezzo as a sales representative in the outdoor industry, she took the courage and embarked on the unstable career path to become a professional mountaineer.

Today, she has all 14 8.000m-peaks under her belt. By reaching the summit of the 8.611m-high K2, she became the first woman to scale all 8.000m-peaks without the use of supplemental oxygen and high-altitude porters.



# Create Expert Jury



**Hossam El-Sifary** Community and Innovation Manager – Factory Hub

Hossam is a technology entrepreneur, executive, strategist, and a start-up enthusiast. His record shows more than 15 years of diversified international work in both multinational and large-scale regional businesses. His cross-functional experiences include business development, strategy, marketing and project management.



**Boris Golob** CEO – Science and Technology Park STEP Rijeka

Boris has more than 20 years of experience in various fields, such as product and service innovation methodologies and commercialization strategies. He is a leading SE Europe expert in business model innovation.



**Tamás Gyulai** DIH Manager – Kecskemét

Tamás is a digitalization expert at the Research Centre for Supplier and Industrial Development within Corvinus University of Budapest. He has several years of experience in industrial clusters and digital innovation hubs.



**Philipp Horner** Head of Business Optimization Production – Voestalpine

With more than ten years of experience in Business Optimization and Project Development, Philipp is currently occupying the role of Head of Business Optimization at Voestalpine.



**Barbara Mayer** Head of Smart Production Lab – University of Applied Sciences Joanneum

Barbara is specialized in automation technology, vertical IT integration, smart production, CPS and IIoT. Her current research is focusing on: Data communication and integration in vertical IT integration, IIoT, model identification of non-linear processes, and model predictive control.





# Create Candidates

## 3D Food Printing of plant-based seafood alternatives

We develop plant-based seafood with 3D Food printing. 3D Food printing allows us to produce complex, heterogeneous products such as salmon fillets or tuna steaks, which do not exist on the market right now. We see 3D Food Printing as the enabling technology for the next generation of plant-based meats, which are fully structured (e.g. whole cuts) as opposed to current predominant analogues of processed meats (plant-based hamburgers, fish sticks).

## End-to-end Intelligence Augmentation (IA) Platform

The addressed problem is the skills and innovation gap in manufacturing the root cause of which is the need for long on-the-job training to assimilate complex plant operating knowledge. An estimated 2.4 million manufacturing jobs are expected to be unfilled by 2028 with a potential economic impact of \$2.5 trillion (Deloitte). The total addressable market (TAM) of the augmented analytics market size will reach \$22.4 billion in 2025 (Grand View research) with the manufacturing segment representing 20% of TAM. The vision is to create a recurrent revenue model called Prediction as a Service by selling actionable manufacturing insights to be used by business experts for decision making.

## GreenGate

Our focus is on forest production and decarbonization, two vital initiatives for the future of our planet. Despite a number of technology installations and IT tools, wood log assessment optimization is still a challenge. Implementation of 3D scanning technology into logs cutting could increase log value by 20% and yield from 1 m<sup>3</sup> up to 90%. Wood log assessment optimization should be the top priority of forestry, which is fundamentally dependent on the income from its sales.



## Wasteful

Waste is a resource. The plan is to create a mobile-factory in a shipping container that produces recycled pavements from plastic and construction waste. The resources are sourced locally as the plastic and construction waste are found in every city around the world. The pavements will be used for public spaces, sidewalks and squares so there will be a visible impact for each community. In need of bigger capacity more production units can be deployed. At the end of a project they will be moved for the next town.

## Multi-Purpose Disinfection Robot

During the COVID-19 epidemic, the professional disinfection of plant areas that employ larger groups of people has proven to be a particular challenge. Currently used indoor disinfection procedures are extremely human resource- and time-intensive and require personnel to be present in potentially contaminated rooms. Our idea provides a solution for companies engaged in plant work by enabling an automated disinfection procedure that requires significantly reduced human resources and time.

## Dissyo

Sterilization of indoor locations where an existing or new air-condition unit is installed. Sensors monitor indoor climate and energy consumption, record data, and store it in a cloud database and real-time map, where users can see locations that have been sterilized from viruses (Sars-Cov-2 included). By performing sterilization and collecting data about indoor climate conditions, great health benefits could be achieved for the global population



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# Our Location – Novotel Wien Hauptbahnhof



Canettistraße 6 • 1100 Vienna – Austria • Tel. +43 1 90922660 • h8565@accor.com  
novotel.com/meetings • novotel.com • accorhotels.com

## How to get there?

Subway: U1

Bus: 13A, 69A, 120, 169, 200, 261, 552, 1155, 1158, 7860, 7940, 7941

Tram: 18, O, D (“Station Hauptbahnhof Ost”)

Train: S1, S2, S3, S60, S80

Direct line to airport: Railjet, VAL1 (Airport Bus)

Exit to get to the hotel: “Canettistraße”

## Public garage with direct access to the hotel

Address: Karl-Popper-Straße 4, 1100 Vienna

Prices: 2,50 € / h\* • 25,00 € / day\*

\*price only valid when the ticket has been validated at the hotel reception, payment at vending machine. 24h Hotline +43 50 626 7765

The Novotel Wien Hauptbahnhof currently employs 66 women and 58 men from 20 different nationalities.



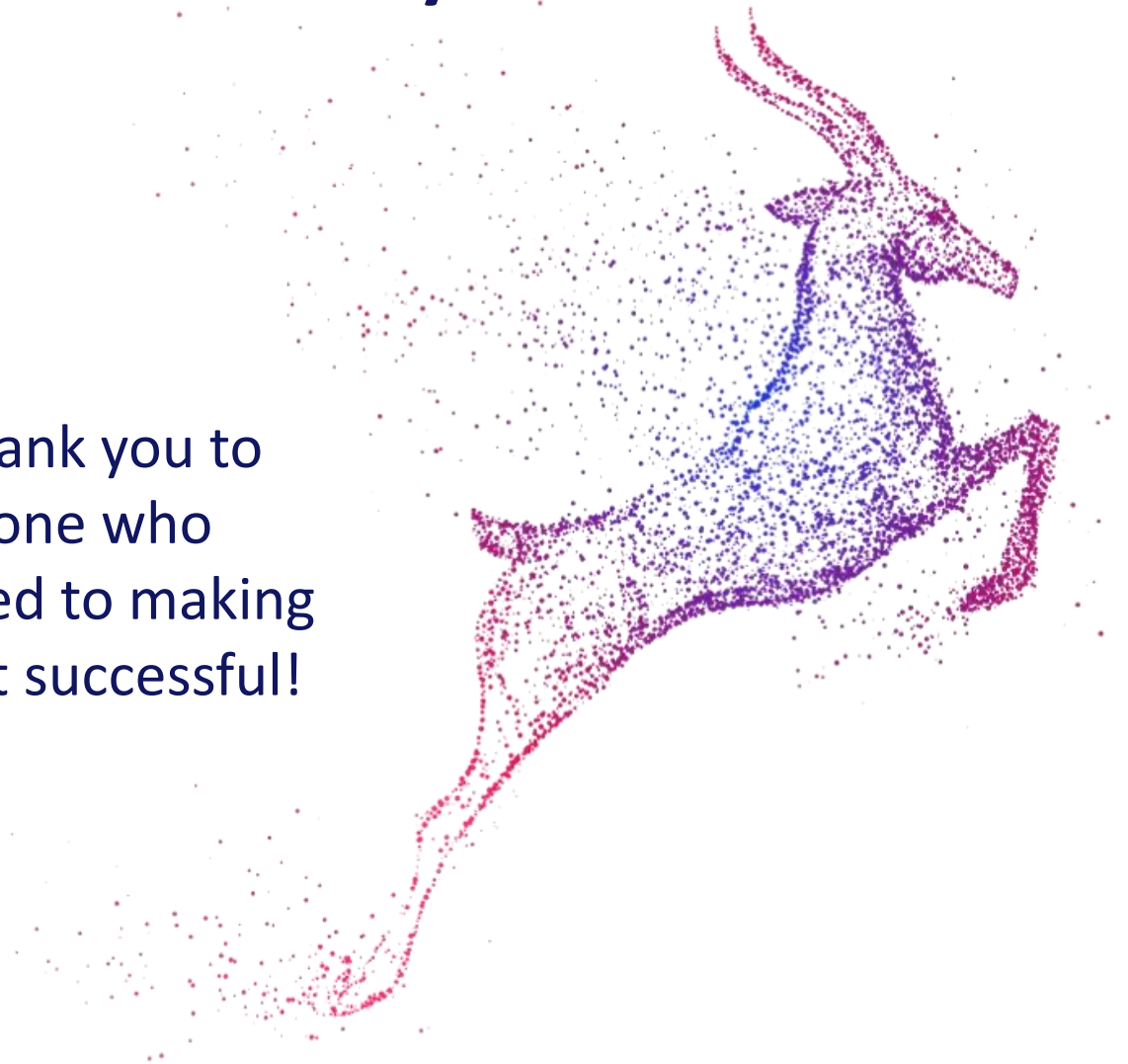


## Notes

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# Thank you!

A big thank you to  
everyone who  
contributed to making  
this event successful!



## Your Contacts

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Find the Agenda here:



SCAN ME

## Emergency Numbers Austria:

Police	133
Ambulance	144
Fire Department	122
Euro Emergency	112