



October 3<sup>rd</sup>, 2022 | 09:00 am  
Schloss Seggau | Seggauberg 1 | 8430 Leibnitz | Austria

## „OPPORTUNITIES AND SOLUTIONS MADE IN EUROPE“ European Robotics and Automation Talks (ERAT) 2022

The Association of Automation Technologies Styria and GMAR have joined forces in order to establish a new conference - **EUROPEAN ROBOTICS AND AUTOMATION TALKS** - dedicated to trending topics in Automation and Robotics.

Our goal is to connect **PRODUCERS, USERS, DEVELOPERS & SYSTEMINTEGRATORS** from Austria and various other European Countries. At this year's ERAT one will not only have the possibility to listen to **NEW SOLUTIONS MADE IN EUROPE** but also have the opportunity to network with participants such as producers, system integrators, users (SME & Large Enterprises), potential users, and scientists.

### Begrüßung

- 09.00 am Herbert Ritter, WKO Steiermark/AT Styria  
Peter Reichel, OVE/GMAR  
Helmut Röck, AT Styria  
Mathias Brandstätter, GMAR
- 09.10 am Alexander Pogany, BMK  
„Welcome Note“

### Keynote

- 09.20 am Sandra Slavinec, Doculus Lumus GmbH, charismaTec OG  
“Robots instead of people, previously a nightmare now becomes a must”

### Vorträge

- 10.10 am Gerald Steinbauer-Wagner, TU Graz  
“Robot Navigation in the Wild“
- 10.40 am Heinrich Prankl, Josephinum Research  
“Robots in Agriculture - A Big Challenge!”



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## European Robotics and Automation Talks (ERAT) 2022

### Sessions A & B

11.10 am

Session A: „Robotics for Small Businesses“

Mathias Brandstötter, FH Kärnten & Wilfried Kubinger, FH Technikum Wien  
**Moderation**

Walter Wohlkinger, Relieve Robotics  
„Robots-as-a-Service - Hype or Solution for SMEs?“

Martin Bem, Jožef Stefan Institute  
„Reconfigurable Robotic Cells: a Novel Approach for Automation“

Christian Falch, MICADO  
„Breaking the Barriers - Automation as Success Factor for SMEs“

Session B: „Robot-based Manufacturing and Process Optimization“

Michael Hofbaur, Joanneum Research  
**Moderation**

Renato Vidoni, Free University of Bozen-Bolzano  
„Design of human-centered collaborative assembly workstations for the improvement of operators' ergonomics and production efficiency“

František Duchoň, Slovak University of Technology in Bratislava  
„Robotic System for Adaptive Welding of Workpieces in Small Volume Production“

Ingo Riemenschneider, Anton Paar GmbH  
“Flexible automation of small batch sizes in a high precision manufacturing”

### Lunch

12.40 pm

Buffet

### B2B

13.10 pm

Networking



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### Sessions C & D

13.30 pm **Session C: “Data closes the circle: How data driven methods enable the circular economy”**

Wolfgang Kienreich, Know-Center  
Tomás Santa María, Universidad del Desarrollo

13.30 pm **Session D: „Inside the Construction Industry“**

Hubert Zangl, University of Klagenfurt (AAU)  
**Moderation & “Perspectives of Robotics and Automation in Construction Industry”**

Dario Stojcic, ABB  
**“Robotics in Construction - New opportunities for a sustainable future”**

Rüdiger Wagner, HILTI  
**“Industrial Solutions”**

### Afternoon

14.50 pm Coffee break & Networking

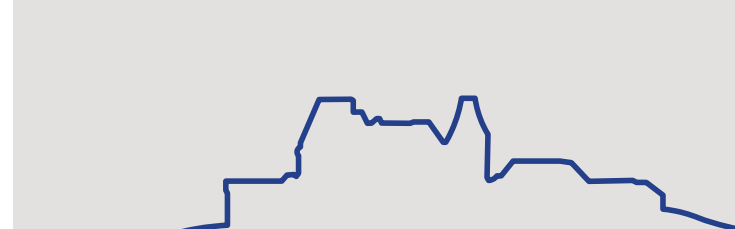
15.15 pm Christian Gasser, FH Campus 02  
**“Digital twins in efficient system planning”**

### Sessions E & F

15.45 pm **Session E: Data and data-driven functionalities and business models in the smart factory**

Stefan Huber & Simon Hoher, Salzburg University of Applied Sciences  
**Moderation**

Stefan Huber  
**“Josef Ressel Center for Intelligent and Secure Industrial Automation”**



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Johannes Vitzthum, B&R Industrial Automation - Member of the ABB Group & Johannes Schipflinger, Vahle Automation GmbH & Coretigo (Israel)  
**“Intelligence and power on independently moving high dynamic shuttles”**

Ruth Aigner, Know-Center & Simon Kranzer, Salzburg University of Applied Sciences & all mentioned above  
**“Panel: Data and data-driven business models in smart production”**

15.45 pm

Session F: Automation and Robotics in Logistics

Helmut Röck, AT Styria & Alexander Numrich, GMAR  
**Moderation**

Ivan Markovic, University of Zagreb  
**„Safe human-robot cohabitation for highly flexible warehouses“**

Maximilian Beinhofer, TGW Logistics  
**„Robotics in Intralogistics: It’s the process that counts“**

Gregor Schubert-Lebernegg, KNAPP AG  
**„Mobile Robots - The fast and flexible way to improve“**

### Finale

17.15 pm

Markus Vincze, TU Wien  
**„SmartDis - Model-based Demantling of Screws”**

17.45 pm

Robert Zniva und Simon Kranzer, Salzburg University of Applied Sciences  
**“Retailization 4.0”**

18.10 pm

Désirée Ehlers, BMK  
**“Fantastic Quantum-Effects - where to find them and how to use them”**

18.30 pm

Robotics at the Courtyard & Wine Reception

19.00 pm

Dinner