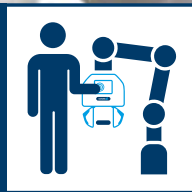


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Conference Office and Venue

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Program

1st International SCHUNK Users and
Technology Dialogue on Human/Robot
Collaboration (HRC) – Guideline
and Applications

May 15, 2019 in Brackenheim-Hausen

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Welcome to the 1st International SCHUNK Users and Technology Dialogue on Human/Robot Collaboration (HRC) – Guideline and Applications!

SCHUNK – global supplier and leading innovator in smart gripping and clamping – is proud to provide exclusive insights into the advances of applied Human/Robot Collaboration (HRC) to a selected international partner network.

The industrial automation arrived at a turning point: In production, the robot is becoming ever more prevalent, and effectively supports humans directly in fulfilling their tasks. This Human/Robot Collaboration (HRC) stands for a fundamental change in production lines, where everyone has to be well prepared at an early stage.

The general objective of our first international SCHUNK Users and Technology Dialogue is to give an overview and orientation, to show possible approaches and to provide useful guidelines, supporting an HRC introduction: How can HRC be used effectively in everyday production? Are there any safety regulations to consider? Which standards have to be fulfilled? How can legal compliance be ensured in production? Are there products and solutions available? How do the latest technologies work to overcome the existing force limitations? How do you implement the introduction of HRC applications in the company?

We are looking forward to sharing experiences with you. During the day, you will experience application-oriented lectures and hands-on demos from SCHUNK experts as well as external guests and end-users from the growing HRC community. Get inspired and feel free to address your requirements for safe automated handling!

Best regards,



Henrik A. Schunk
Chief Executive Officer
SCHUNK GmbH & Co. KG



Prof. Dr. Markus Glück
Chief Innovation Officer (CINO)

Program

09:00 am	Registration
09:30 am	Welcome
09:40 am	Introducing Human/Robot Collaboration (HRC) – A Guideline: Requirements, Regulations, Products, Recommendations Prof. Dr. Markus Glück, Chief Innovation Officer (CINO), SCHUNK GmbH & Co. KG, Lauffen
10:20 am	Safety Standards and Regulations for HRC – Controlling Force Impact and Safety Levels according to ISO/TS 15066 Jochen Vetter, Customer Support – Team Manager Robot Safety, PILZ Safe Automation GmbH & Co. KG, Ostfildern
11:00 am	Coffee break
11:30 am	SCHUNK Co-act Grippers and Innovative Solutions for HRC – Safe and Intelligent Handling for Smart Production Dr. Galib Krdzalic, Director Product Line Collaborative Gripping, Mike Mayer, Director Sales Collaborative Gripping & Robot Solutions, SCHUNK GmbH & Co. KG, Lauffen
12:15 pm	SCHUNK Solutions for the Universal Robots Ecosystem Anna Jung, Product Management/Co-act Solutions Team, SCHUNK GmbH & Co. KG, Lauffen
12:45 pm	Lunch break
01:30 pm	Company Tour – Experience HRC in Action: Live Hands-On Demos and Applications on the Factory Floor
03:00 pm	Coffee break
03:20 pm	HRC: How to Identify Suitable Applications and Workplaces – Tools, Recommendations and Experiences for Innovators Dr. Alfred Hypki, Head of R&D and Engineering, Dept. for Applied Robotics and Production Systems, Ruhr-University, Bochum
04:00 pm	HRC Using New Robots and Vision Technology – A Perspective Dr. Jens Kotlarski, Managing Director, Yuanda Robotics GmbH, Hannover
04:40 pm	HRC – Conclusions, Questions & Answers Our speakers and contact persons will answer your questions
05:00 pm	End

Agenda and lecture sequence may be subject to changes.

Summarized Outline of the Forum

Part 1 – Introducing HRC to Production Lines

- Introduction and guideline
- Selection of ideal workspace, robot, application
- Safe gripping – requirements and solutions
- Overview on safety standards and regulations to be fulfilled

Part 2 – Experience HRC in Action!

- Company tour in small groups
- Live hands-on demos and applications
- Active proposals, solutions, and recommendations

Part 3 – Sharing Application Knowledge and Practical Experience

- Identify HRC-suitable workspaces
- From the idea to realization of HRC applications
- New robots and tools for advanced HRC
- Gaining people for HRC – facing challenges and concerns

The SCHUNK Co-act Team

Are you already facing a concrete HRC challenge and you want to learn more about SCHUNK HRC grippers? Please contact us and tell us more about your individual requirement.

You can reach the SCHUNK Co-act team by:

Tel.: +49-7133-103-3444

E-Mail: co-act-team@de.schunk.com

We are looking forward to hearing from you!

Go to [schunk.com/co-act](https://www.schunk.com/co-act) for more information on the world's most comprehensive HRC gripper product line with application examples.