



LCAMP: Learner Centric Advanced Manufacturing Platform for Centres of Vocational Excellence (CoVEs).

LCAMP CONFERENCE 2024



14-15 MAY



OSTERTAG event Centre
Aalen, Germany

Practical Information Booklet



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1 WELCOME

Learning Factories for Advanced Manufacturing in Education

The Learning Factories for Advanced Manufacturing in Education conference will be hosted in Aalen, Germany, at the OSTERTAG event centre, on May 14 and 15, 2024. This cost-free event focuses on the use of Learning Factories to bridge the gap between technological innovation, VET, and jobs in advanced manufacturing.

Targeting VET teachers in Advanced Manufacturing and VET centre Managers, the conference is designed for those passionate about the hands-on implementation of new technologies and teaching methods in schools.

The conference aims to discuss the practical implementation of Learning Factories in VET and HVET education, discuss the introduction of industry 4.0 technologies in education, showcase real-world examples from around the globe, provide opportunities to join the LCAMP alliance for fostering international collaboration, facilitate engaging visits to cutting-edge manufacturing companies, and offer networking opportunities for schools interested in technology and advanced manufacturing education.

This conference distinguishes itself by bringing together a community of teachers and school principals interested in the practical aspects of technology implementation, education, and jobs in advanced manufacturing. The emphasis is on innovation, education, technology, and VET from a hands-on perspective.

The format includes keynote sessions addressing key trends and challenges in advanced manufacturing education, panel discussions involving experts from academia and industry, and breakout sessions. The conference will be followed by visits to cutting-edge manufacturing companies in the Baden Württemberg region.

The conference has been organised by the Erasmus+ Centre of Vocational Excellence project, LCAMP. For more information, visit our webpage: <https://lcamp.eu/>

2 PROGRAMME

DAY 1



Tuesday 14 May 2024



OSTERTAG event centre

Morning sessions

- 8:30 - 9:00** Registrations
- 9:00 - 9:30** **Welcome and institutional Opening**
- **Prof. Dr.-Ing. Dr. Rainer Przywara**, President of DHBW Heidenheim
 - **Rikardo Lamadrid**, Director General of Technology and Advanced Learning, Vice ministry of VET, Department of Education, Basque Government
- 9:30 - 9:45** **Overview of LCAMP - Learner Centric Advanced Manufacturing Platform for Centres of Vocational Excellence (CoVEs)**
- **Jon Labaka**, Executive Director of [Tknika](#), LCAMP Coordinator
- 9:45 - 10:15** **Industry 4.0 in German VET: mapping didactical approaches for Learning Factories in Baden-Württemberg**
- **Tobias Barthruff**, Representative of the Ministry of Culture, Youth and Sport, Baden-Württemberg
- 10:15 - 11:00** **LCAMP's approach to the Learning Factory**
- **Unai Ziarsolo**, LCAMP Scientific Coordinator, Basque Country
 - **Prof. Dr.-Ing. Klaus Dieter Rupp**, Professor at [DHBW Heidenheim](#), Baden-Württemberg
- 11:00 - 11:30** *Coffee break & networking*
- 11:30 - 11:50** **The Canadian Learning Factory: Approaches and Aspirations**
- **Dr. Richard Gale**, Director of [Camosun Innovates](#), Camosun College, Canada
 - **Imtehaze Heerah**, Leading Edge Endowment Fund BC Regional Innovation Chair in Mechatronics & Automation, Camosun Innovates @ Camosun College
- 11:50 - 12:45** **Company perspectives**
- Connectivity for learning factories, **Marc Fröschl**, Head of Product Management at [FORCAM ENISCO](#) GmbH, Germany
 - Digital Twins for LFs. **Mikel Ayani**, CEO, [Simumatik](#), Sweden
 - Arkite: A New Era in Operator Guidance, **Dimitri Mestre** – Sales Manager, [ARKITE](#), Belgium
- 12:45 - 14:00** Networking lunch

DAY 1

Tuesday 14 May 2024



OSTERTAG event centre

Afternoon sessions

14:00-16:00 Breakout sessions (*in parallel*)

Breakout session 1

LCAMP Alliance

- **Susana Espilla**, Tknika
- **Alicia Gaban**, EARLALL

Breakout session 2

Job changes and skill needs in Advanced Manufacturing related to the green and digital transitions

- **Hervé Danton**, Mecanic Vallée
- **Pascal Pichoutou**, Mecanic Vallée

Breakout session 3

The Collaborative Learning Factory

- **Irati Zabaleta**, Miguel Altuna

16:00 - 16.15 Closing and announcement of the 2025 LCAMP conference

Evening

19:30 Conference dinner

DAY 2

Wednesday 15 May 2024

Study visits to companies

Visiting cutting-edge manufacturing companies in the vibrant region of Baden-Württemberg.

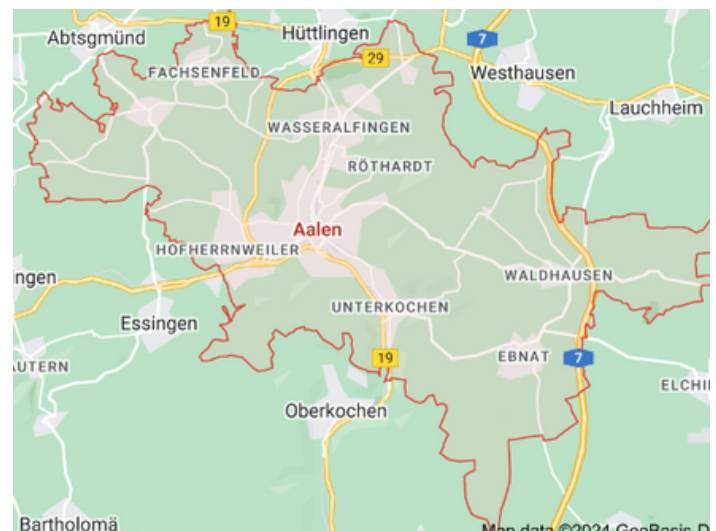
07:30 - 16:30 Departure from Aalen 7:30 a.m / Return to Aalen 16:30

⚙️ Bosch Company

Please that the visit will end around 15 pm, so 16:30 pm back in Aalen

⚙️ Festo Didactic

Please mind that FESTO is ideal for those guests who want to return home and take the plane on Wednesday, May 15th. The Visit to FESTO will end around 13:30 pm in Denkendorf, which is very close to Stuttgart Airport.



3 SPEAKERS

Institutional Opening



PROF. DR.-ING. DR. RAINER PRZYWARA

President of DHBW Heidenheim

Prof. Dr.-Ing. Dr. Rainer Przywara has been the rector of the Baden-Wuerttemberg Cooperative State University (known in Germany as the DHBW) since 2017. He studied mechanical engineering at the Leibniz University of Hanover from 1982 to 1987, then history, school and church music. He received his doctorate in 1994 as a Dr.-Ing. at the Institute for Manufacturing Engineering at the University of Hanover and in 2016 he received his Ph.D. in Economics from the University of Gloucestershire. He worked for Gruner + Jahr, the Gemini Area Group and Continental AG. From 2002 to 2017 he taught as a professor for technical sales and marketing at Hannover University of Applied Sciences.



RIKARDO LAMADRID INTXAURRAGA

Director of Technology and Advanced Learning at the Department of Education of the Basque Government

Rikardo Lamadrid Intxaurreaga has been the Director of Technology and Advanced Learning at the Basque Government's Department of Education since 2017. His Directorate is responsible for Applied Research and Innovation in Vocational Training, active Entrepreneurship, sustainability in the Basque VT system, and excellence in VT. On the other hand, it is also responsible for the training of VT teachers, the STEAM strategy at VT centres, applied innovation projects in collaboration with SMEs, the internationalisation of VT in the Basque Country, and some other areas.

Overview of LCAMP



JON LABAKA INTXAUSPE

Executive Director of Tknika, LCAMP Coordinator

Mr Jon Labaka Intxauspe is the Executive director of TKNIKA. It is a centre promoted by the Deputy Ministry of Vocational Education and Training of the Education Department of the Basque Government. Innovation and applied research are at the core of Tknika. In this Innovative Center, they work on innovative projects in technology, education and management involving teachers from Basque VET centres. Their goal is to develop the capacities of the Basque VET system to the maximum.

Industry 4.0 in German VET: mapping didactical approaches for Learning Factories in Baden-Württemberg



TOBIAS BARTHUFF

Representative of the Ministry of Culture, Youth and Sport, Baden-Württemberg

Representative of the Ministry of Education of the region Baden-Württemberg. Strong expertise as a forerunner in implementing Learning Factories and I4.0 Environments in VET.

LCAMP'S approach to the Learning Factories



UNAI ZIARSOLO

LCAMP Scientific Coordinator, Basque Country

Mr Unai Ziarsolo is International Project Manager at Tknika. He is the scientific coordinator of LCAMP- Learner Centric Advanced Manufacturing Platform for CoVEs. He leads the WP Learning Factories 5.0 for Industry 4.0 networks within the Bridge 5.0 Horizon Europe project. He is mechanical Engineer by Mondragon University; he started his professional career as VET teacher more than 20 years ago. Before joining Tknika, he was the Innovation Manager at Miguel Altuna VET centre for 10 years.



PROF. DR.-ING. KLAUS DIETER RUPP

Professor at DHBW Heidenheim, Baden-Württemberg

Prof. Dr.-Ing Rupp has been a professor of industrial engineering since the year 2000 with a bachelor's degree. They have been awarded the Baden-Württemberg German State Teaching Prize 2011. In addition, for 10 years he was a professor in the Integrated Engineering master's program and scientific director at the Graduate School Ostwürttemberg. With a focus on automation and robotics. He is heavily involved in Research Programs and the strategic development of our study programs. New skills to support students DHBW-Heidenheim is working to adapt the curricula to new competencies/skills/courses to support students meet the needs of the AM industry. In particular, Prof. Dr.-Ing. Klaus-Dieter Rupp believes they had to move away from teaching technical competence to imparting methodological competence and overarching competencies.

The Canadian Learning Factory: approaches and aspirations



DR. RICHARD GALE

Director of Camosun Innovates, Camosun College,
Canada

Dr. Richard Gale is Director of Camosun Innovates, the applied research and development centre for Camosun College. With more than forty years of post-secondary experience in Canada and the United States, Richard brings expertise in all four of Boyer's scholarships and a wide variety of research contexts. He comes to Camosun after serving as Vice President Academic and Provost at Capilano University and founding Director of Mount Royal University's Institute for Scholarship of Teaching and Learning. Richard was a researcher at Douglas College and Royal Roads University, a faculty member at Bowling Green State University and Sonoma State University, and a Senior Scholar for the Carnegie Foundation for the Advancement of Teaching at Stanford. He holds a PhD in Theatre History (University of Minnesota), an MFA in Playwriting (University of California San Diego), an MA in Drama (San Jose State University), and a BA in Liberal Studies (San Jose State University)



IMTEHAZE HEERAH

Leading Edge Endowment Fund BC Regional Innovation
Chair in Mechatronics & Automation, Camosun
Innovates @ Camosun College, Canada

Imtehaze Heerah has been a faculty member in the Department of Mechanical Engineering Technology at Camosun College since 2004. He is also the Leading-Edge Endowment Fund (LEEF) BC Regional Innovation Chair in Mechatronics & Automation at Camosun Innovates. Imtehaze is passionate about robotics & automation and works closely with local and regional businesses to help them creatively solve technological challenges they face. These activities also allow him to bring real-world problems into the classroom to enhance students' learning. Imtehaze holds a Bachelor's degree in Mechanical Engineering from the University of Mauritius and a Master's degree in Mechanical & Industrial Engineering from the University of Toronto

Company perspectives



Marc Fröschl

Head of Product Management at FORCAM ENISCO GmbH, Germany

Head of Product Management at FORCAM ENISCO GmbH, he is in charge of MES and Connectivity Solutions. Before his current position he was Global Solution Manager and Product Manager at FORCAM GmbH.



MIKEL AYANI

CEO, Simumatik, Sweden

Dynamic and results-oriented professional with an MSc in Automation Engineering from the University of Mondragon. With over 20 years of experience in industrial automation, control theory, PLCs, and robotics, I have honed my expertise in Emulation and Virtual Commissioning. Proficient in multiple programming languages, I have developed several proprietary software in that field. I am dedicated to enhancing efficiency and sustainability within the education, industry, and automation sectors, helping them with their digital transformation initiatives. As the founder of Simumatik, I am fully committed to leveraging my enthusiasm and dedication to support our customers and drive innovation in the field



Dimitri Mestre

Sales Manager, ARKITE, Belgium

He specializes in strategic Operator Guidance solutions to enhance operational efficiency and adapt technology products to industrial needs

4 PARTICIPATION

REGISTRATION

Participants are requested to register themselves via the following **form**. Please note that your registration will be confirmed by the LCAMP team, we recommend you to wait until your attendance is confirmed to proceed with your travel arrangement.

Badges can be collected upon arrival. An accreditation desk will be available at the entrance of the OSTERTAG event Centre (Ulmer Str. 45, 73431 Aalen, Germany) on 14 May between 08:30 and 10:00.

For further information or in the event of any problems with the accreditation of any member of your delegation, please contact us at **info@lcamp.eu**.

PROGRAMME AND PARTICIPATION

Please indicate your preferred options for break-out sessions in the registration form. The study visits to companies options will be provide once your confirmation will be approved by the LCAMP team.

Please note that we cannot guarantee your first choice if the maximum capacity for breakouts and the study visits to companies is reached. The organising team will try to allocate you to one of the options of your choice.

Transport will be provided to reach the study visits to companies, closer to the date you will be inform about the pick up points and timeslots.

The programme overview is available **here**.

5 ACCOMMODATION

HOTELS

Both the Conference Venue and the Main Station in Aalen can be reached on foot from all hotels within 3-12 minutes.

Pre-reservations have been placed at the **MAXX-HOTEL** hotel (Hugo-Theurer-Straße 6, 73431 Aalen, Germany).

- Keyword to access the call-off contingent **"DHBW/LCAMP"**.
- Send your booking request to: reservations.aalen@maxxhotel.com
- *116€, breakfast included, is agreed until April 26th 2024 as a call-off contingent*

Alternative options

- [B&B HOTEL Aalen](#)
- [limehome Aalen Reichsstädter Str.](#)
- [City Hotel Antik](#)
- [Aalener Ratshotel](#)
- [Design & Lifestyle Hotel Estilo Aalen](#)

Participants are responsible to book and pay for their own accommodation. Please note that the pre-booked rooms will be allocated on a first-come, first-served basis and that they are subject to availability. Therefore, we recommend you to book your room at your earliest convenience.

6 THE VENUE

Conference venue

The Conference will be held at **Ostertag Aalen - Events** (Address: Ulmer Str. 45, 73431 Aalen, Germany)

<http://www.ostertag-aalen.de/>

Getting to Aalen



(© Stadt Aalen)

Aalen, in the eastern part of Baden-Württemberg and the heart of South Germany, is conveniently located for many transportation options. Whether travelling by train, car or plane – Aalen is an easy-to-reach destination.

Both the Conference Venue and the Main Station in Aalen can be reached on foot from all hotels within 3-12 minutes.

LCAMP conference aims to fulfil the requirements of the "green conference" label, all participants are encouraged to choose the most environmentally friendly travel option.

TRAIN

Aalen is an important junction of the Deutsche Bahn public railway system. Trans-regional trains connect Aalen with Stuttgart, Nuremberg, Ulm and Munich.

AIRPORT(s)

- **STR, Stuttgart Airport** (75km): The airport has a direct city railway connection with Stuttgart Hauptbahnhof (Central Train Station) where hourly trains leave for Aalen.
- **MUC, Munich Airport** (183 km)
- **Frankfurt am Main Airport** (248 km)

TRANSFER

- If you are traveling as a team, it is worth checking the daily car rental offers, as this may be cheaper and quicker especially via MUC.

More information: www.aalen.de

7 GENERAL INFORMATION

Health and emergencies

For medical emergencies requiring immediate attention, call 112.

Ensure you have your European Health Insurance Card (EHIC) on hand for medical assistance (European health insurance card).

Contact details

If you have any logistical questions (related to your registration, accommodation, etc.), please contact LCAMP team at info@lcamp.eu