



<AutomationML/>

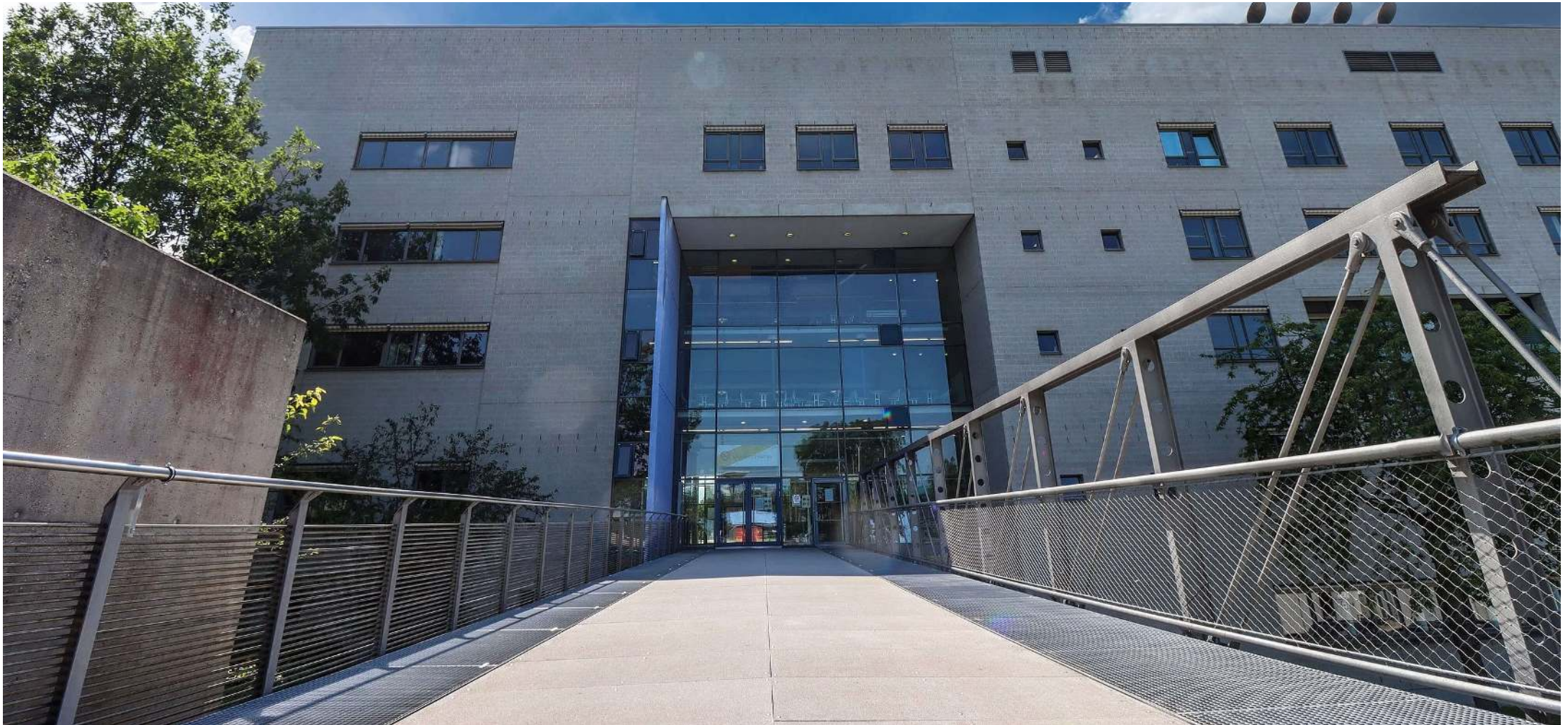
The Glue for Seamless
Automation Engineering

AutomationML Conference 2026

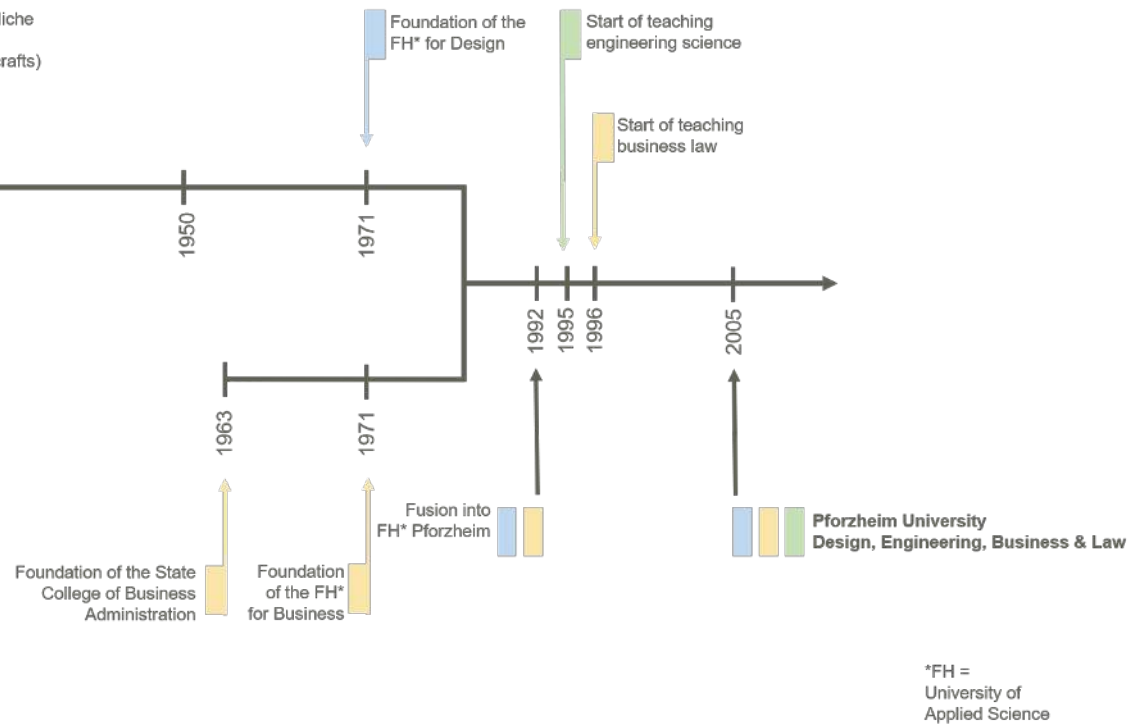
Rainer Drath, Pforzheim University of Applied Sciences



Welcome @ Pforzheim University



3 Faculties – 1 University



- School of Design
- School of Engineering
- Business School
- 29 Bachelor's degree programme
- 20 Master's programmes
- **6000 students** (700 Internationals from 70 countries)
- ca. 190 professors
- ca. 250 lecturers
- ca. 350 employees

School of Design



Overview:

- 6 Bachelor's degree programmes
- 4 Master's degree programmes
- approx. 600 students
- approx. 25 professors
- approx. 40 employees
- **On average, 10 students per year receive a national or international design award**
- On average, 5 graduates start a business directly after graduation each year



Overview

- 14 Bachelor's degree programmes
- 11 Master's degree programmes
- approx. 2,200 students
- approx. 60 professors
- approx. 90 employees
- Strong in research
- Close dialogue with industry



Overview:

- 14 Bachelor's degree programmes
- 12 Master's degree programmes
- approx. 3,200 students
- approx. 90 professors
- approx. 60 employees
- AACSB accredited
- EFMD accredited
- Pforzheim model



20 YEARS AUTOMATIONML

PAST • PRESENT • FUTURE • TOGETHER

OPEN STANDARDS. REAL IMPACT. A SMARTER TOMORROW.

AutomationML Conference 2026

22 – 23 September 2026
Pforzheim, Germany

IDEAS
STANDARDS
PEOPLE
SOLUTIONS

*Same Standards
New Possibilities.*

AI FOR ENGINEERING

Intelligent engineering
Plug-in development
Smarter tools

STRONGER TOGETHER

OPC
Manufacturing-X
SysML v2
and more

CONNECTING
PEOPLE, TECHNOLOGIES
AND IDEAS
FOR A SUSTAINABLE
INDUSTRY.

ENGINEERING

PRODUCTION

AUTOMATION

DIGITAL TWIN

DATA SPACES

SUSTAINABILITY

AutomationML

THE OPEN BRIDGE
FOR A CONNECTED INDUSTRY

EASY SOFTWARE INTEGRATION

Plug & Play
Modular automation
Faster engineering

SEMANTIC INTEROPERABILITY

Common information models
Ontologies
Connected data
Across domains

AutomationML®



SysML v2



Hochschule Pforzheim
Gesellschaft für Angewandte Forschung

Siren tests at 22.+23.09.2026

- » Maintenance will be performed on the fire alarm system
- » As part of the maintenance, the corresponding siren test will take place.
- » This may cause the audible alarms to sound briefly.
- » Please do not be alarmed by this—it is a scheduled technical inspection of the system

Program for today

- » **14:30 — Welcome and Opening**
Rainer Drath, Pforzheim University of Applied Sciences / AutomationML e.V.
- » **14:45 — Keynote: 20 Years of AutomationML**
Arndt Lüder, Otto von Guericke University Magdeburg / AutomationML e.V.
- » **15:15 — OPC Foundation × AutomationML**
Stefan Hoppe, OPC Foundation
- » **15:30 — MTP as basis for plug & play for modular automation systems**
Rainer Drath and Vincent Schmitt, Pforzheim University of Applied Sciences
- » **16:00 — Coffee Break**
- » **16:30 — Plug & Play based on Semantic Information Models with AML**
Philipp Wetterich and Stephan Hensel, Semodia GmbH
- » **17:00 — DIAMOND Meets AutomationML: From PPR Research Model to Community Tooling**
David Hoffmann, Otto von Guericke University Magdeburg
- » **17:30 — AML Core Property Libraries for Engineering**
Rainer Drath, Pforzheim University of Applied Sciences
- » **18:00 — End of Day 1**
- » **19:00 — Dinner (optional)**

Dinner @ 19:00 Seehaus Pforzheim

Tiefenbronner Straße 201, 75175 Pforzheim, self-travel and payment



Program for tomorrow

- » **09:00 — Keynote: Manufacturing-X and AutomationML**
Andreas Graf Gatterburg, Hilscher Gesellschaft für Systemautomation mbH / AutomationML e.V.
- » **09:30 — AI-based Plugin Development for the AutomationML Editor**
Rainer Drath, Pforzheim University of Applied Sciences
- » **10:00 — Bringing Graphical Engineering Languages to AutomationML: Native Process Modeling in the AutomationML Editor**
Hamied Nabizada, Helmut Schmidt University Hamburg
- » **10:30 — Coffee Break**
- » **11:00 — From PPR to Interoperability: A Lightweight Engineering Modeler Bridging SysML v2 and AutomationML**
David Hoffmann and Ranjitkumar Gudder, Otto von Guericke University Magdeburg
- » **11:30 — AutomationML as an Exchange Format for Tool-Independent Domain-Specific Modeling Language Specifications**
Tirth Kandarp Joshi and David Hoffmann, Otto von Guericke University Magdeburg · Simon Eschlberger and Katharina Polanec, Salzburg University of Applied Sciences
- » **12:00 — Formal Description for AutomationML - Mapping AutomationML to Ontologies**
Sandra Eisenmann, Mercedes-Benz Tech Innovation · Miriam Schleipen, EKS InTec GmbH
- » **12:30 — A Generic AutomationML Methodology for Semantic Integration of Production Planning Data for Digital Factory Planning**
Nikhil Naik, BMW Group · Ranjitkumar Gudder, Otto von Guericke University Magdeburg
- » **13:00 — Lunch Break**
- » **14:00 — OPC Foundation × AutomationML Initiative: Collaboration and Outlook**
OPC Foundation and AutomationML e.V. | office@automationml.org



AutomationML e.V. c/o IAF

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