Focus: Self Driving Labs, Automation and Data Processing

The 10th IUTA AnalytikTag focuses on the transformative potential of self-driving laboratories, advanced automation, and data-driven analytical workflows. As modern research environments increasingly integrate robotics, autonomous experimentation, and AI-supported decision making, analytical science is entering a new era of efficiency, reproducibility, and insight generation. This year's meeting highlights emerging technologies that enable closed-loop experimentation, smart sensor integration, and automated data interpretation, laying the groundwork for faster discovery cycles and more sustainable laboratory operations. Through presentations, demonstrations, and expert discussions, the AnalytikTag offers a comprehensive overview of how automation and intelligent data processing are reshaping analytical practice and opening new pathways for innovation across industry and research.

Registration

Registration for the 10th AnalytikTag can also be completed via the IUTA homepage (www.iuta.de) under the heading 'News'. Early registration is recommended as the number of participants is limited.

Participation fee:

150 € until June 30, 2026 (plus VAT)
199 € until September 30, 2026 (plus VAT)
250 € until November 2, 2026 (plus VAT)

Deadline for registration: November 2, 2026

The participation fee includes attendance at all lectures and the industry exhibition, as well as snacks during breaks and a light lunch. After registering, you will receive a confirmation of registration and an invoice from us. In the event of a last-minute cancellation due to illness, a replacement from the same company may be named. In the event of complete cancellation of participation before October 19, 2026, 80% of the participation fee will be charged; after that date, the full participation fee will be charged. Cancellation must be made in writing. In the event of cancellation by the organiser, the participation fee will be refunded in full. Further claims are excluded.

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10th AnalytikTag on November 2, 2026

Venue

Mercatorhalle Duisburg im City Palais
König-Heinrich Platz (Navigation: Averdunkstraße)
47051 Duisburg

Organiser

Institut für Umwelt & Energie, Technik & Analytik e. V. (IUTA)
Bliersheimer Straße 58-60, 47229 Duisburg
Department Forschungsanalytik & Miniaturisierung
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Die Institute der Johannes-Rau-Forschungsgemeinschaft werden vom Land NRW institutionell gefördert

www.iuta.de

09.00 am - Registration and visit of exhibition

09.30 am

Welcome and opening remarks

Dieter Bathen, Thorsten Teutenberg, IUTA e. V.

09.45 am

Keynotes: Self Driving Labs 5.0

Intelligent, Connected, Autonomous: The Future of Analytical Laboratories
Kerstin Thurow, Center for Life Science Automation, Universität Rostock

Distributed intelligence in a self-driving analytical laboratory
Pascal Miéville, EPFL, Lausanne, Schweiz

11.00 am - Coffee break and visit of exhibiton

11.45 am

Short presentations on specific projects in the context of the IUTA FutureLab.NRW

Tobias Werres, Kjell Kochale, Max Jochums, Jana Thissen, Ricardo Cunha, Michelle Klein, Damian Schomers, IUTA e. V.

EUROPÄISCHE UNION
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Investitionen in Wachstum
und Beschäftigung

12.30 pm - Lunch break and visit of exhibition

2.00 pm

Short presentation from science and research

Automated High-Throughput Chemistry: Developing an Academic Core Facility for the Ruhr Valley
Gregory Gaube, Ruhr University Bochum

Progress toward a fully automated synthesis platform for chemistry: ChemASAP - Automated Synthesis and Analysis Platform for Chemistry
Patrick Hodapp, Karlsruhe Institute of Technology KIT

General-Purpose, Fully Traceable Lab Automation with Robots
Benjamin Alt, University of Bremen

3.00 pm - Coffee break and visit of exhibition

3.45 pm

Short presentations from industry and routine

Automated near-real time monitoring of micropollutants as an early warning
Michael Mohr, Zweckverband Landeswasserversorgung

Online monitoring of the Rhine: a field report
Michael Schlüsener, Bundesanstalt für Gewässerkunde

Improved peak picking for trace impurities in HPLC-MS
Kevin Eckey, Merck KGaA

4.45 pm

Concluding remarks and summary

5:00 pm

Networking

6:00 pm

End of the event

Programmänderungen vorbehalten!

Exhibition

ADIRO Automation Didactic Robotic
Agilent | Trusted Answers
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DÜPERTHAL
INTEGRIS LIMS
INTEGRA We accelerate science together.
OPENChrom® powered by LABLICATE
it4e
<LAB OPERATOR>
LIMS @ work
MACHEREY-NAGEL
phenomenex
SiLA Rapid Integration
SMARTLAB SOLUTIONS
ANALYSEN-, BIO- & LABORTECHNIK im Deutschen Industrieverband SPECTARIS
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