

AI, Drones, Sensors and Robots for Smart Sewers and Urban Drainage 2025

2 - 3 April 2025 at IKT in Gelsenkirchen Germany



Become an exhibitor – showcase your products and services!

Book your exhibition space now!

- Presentation options for your products
- Indoor and outdoor exhibition areas
- Individualised exhibitor flyer for your own marketing
- Inclusion in the list of exhibitors
- Practical demonstrations by arrangement
- Company logo on the available advertising spaces (flyers, banners, etc.)
- Plenty of space for professional exchange and discussions

Wednesday 2nd April 2025

8.30 h **Coffee and registration**

9.00 h **Welcome**

Roland W. Waniek, Managing Director, IKT,
Gelsenkirchen, Germany

9.10 h **Introduction to the day**

Dr. Iain Naismith, Conference convenor and
moderator, IKT, UK

Session I: AI - Smart Sewers – Urban Drainage

9.20 h **Overview of Use of AI – Future of smart sewers
and urban drainage**

Prof. Dr. Bert Bosseler, Scientific Director, IKT,
Germany

9.40 h **Storm Water Management & AI – Flooding, Water
Balance, Water Quality**

Dr. Maike Stover, IKT, Germany

10.00 h **Deep Learning applied to nowcasting of heavy
rainfall events – Results of the research project
KIWaSuS**

Juliana Koltermann da Silva, Hochschule Ruhr West,
Germany

10.20 h **Coffee break**

10.50 h **Use Cases of Smart Technologies in Wastewater
Management at Gelsenwasser AG**

Sajjad Tabatabaei, Gelsenwasser, Germany

11.10 h **Use of AI in Yorkshire Water and United Utilities,
UK**

Mr. Thomas Ogden, Yorkshire Water, UK
Mr. James Devereux, United Utilities, UK

11.30 h **Real-time Data from Water and Wastewater
Networks – The Foundation for Continuous AI
Analysis**

Mr. Bernhard Maier, Microtronics Engineering,
Germany

12.30 h **Lunch break**

13.00 h **Panel discussions on role of AI in managing
sewers and urban drainage**

Session II: Drones

14.00 h **Drones in Sewer Inspection: Above and Below**
Mr. Xinyi Zhang and Mr. Kadin Choi, Andrews
Engineers, Canada

14.30 h **Coffee break**

15.00 h **Drone Demonstrations**

16.00 h **Discussion on use of Drone Technology**

16.30 h **End Day 1**

Evening:

18.30 h **Onwards**

**Evening - Tour and Dinner at the Zollverein Coal Mine
Industrial Complex - a UNESCO World Heritage Site**



Thursday 3rd April 2025

8.30 h **Coffee**

9.00 h **Introduction to the day**

Dr. Iain Naismith, Conference convenor and moderator, IKT, UK

Session II: Drones continued

9.10 h **Inspection with a drone: a practical report from Duisburg**

Dr. Mirko Salomon, Wirtschaftsbetriebe Duisburg (Municipality), Germany

9.30 h **AI-Powered Drone Inspection for Sewer Condition Assessment**

Mr. Roger Roesselet, WinCan, Switzerland

Session III: Sensors

9.50 h **Application of new sewer inspection technologies: keeping track of data**

Mark Andrew, Andrews engineer, Canada

10.10 h **Sensors for sewers and urban drainage – findings from Co-UDlabs research**

Dr. Iain Naismith, IKT, UK

10.30 h **Coffee break**

11.00 h **AI-based Smart Diagnosis System for CCTV Camera Inspection in Tokyo**

Ms. Marie Noto, Tokyo Metropolitan Sewerage, Japan
Dr. Eng. Yasuaki Sugimoto, Nippon Koei Co. Ltd, Japan

11.20 h **Panel discussions on role of AI in managing sewers and urban drainage**

12.00 h **Lunch**

Session IV: Robotics

13.00 h **Replace or Repair? The MAC System for non-destructive structural assessment of pipes, liners and bedding**

Dr. Mark Klameth, IKT, Germany

13.30 h **MAC Demonstration**

Simon Torunski, M.Sc., IKT, Germany

14.00 h **Pipebots – autonomous robots for pipe inspection and repair**

Prof. Simon Tait, University of Sheffield, UK

14.30 h **Coffee break**

14.45 h **Robo-Dogs in Sewers: Potential applications**

Prof. Dr. Sebastian Hollermann, Jade Hochschule, Germany

15.05 h **Cleaning driven asset management**

Bart van der Zalm, Sewer Robotics, Netherlands

15.25 h **Panel Discussion on Robots**

15.50 h **Summary and takeaways**

Prof. Dr. Bert Bosseler, Scientific Director, IKT, Germany

16.00 h **End Day 2**

Registration

We are taking part as an exhibitor:

6 m^{2*}

9 m^{2*}

12 m^{2*}

Outdoor area**

*each incl. table and chairs, 230 V power connection, participation in the evening event

** Outside Area refers to the area of a single exhibit, such as a pavilion, jetting or inspection vehicle, etc. Please provide us with the approximate size of your exhibit or booth when registering.

Contribution:

Indoor space, regular: 380 EUR/m²

Indoor space, Member of the IKT Association: 345 EUR/m²

Outdoor space, regular: 2,045 EUR

Outdoor space, Member of the IKT Association: 1,750 EUR

Registration after 28 February 2025 would cost 5 % additional charges

Become a member: <https://www.ikt.de/ueber-uns/foerderverein-wirtschaft/>

Your contact persons:

We look forward to your reservation and will be happy to answer your questions.

E-Mail: exhibitor@ikt.institute

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Company

Contact person

E-mail contact person

Street

Postcode/ Town

E-Mail for billing (if different from above)

Telephone number

With the registration, we will send the IKT our logo as a vector graphic (.eps format) or a high-resolution pixel graphic (.jpg, .tif, etc.) to: exhibitor@ikt.institute
All prices are plus 19% VAT. The exhibitor fee includes the participation of two people per exhibitor, including the evening event. Additional people for booth support can be registered for an additional fee in consultation with us. The participation of cooperation partners or third-party companies is only allowed after prior consultation. We are happy to offer a package price. After registration, the invoice will be issued and is due before the event starts. In case of cancellation up to 30 days before the event, 50% of the exhibitor fee will be charged. After that, the full amount is due. Cancellations will only be accepted in writing. Stand locations are assigned based on the order of registration.

The service package offered is an event service. If this is provided to an entrepreneur, it is deemed to have been performed at the place where the service recipient operates their business - the reverse charge procedure applies.

The service recipient must present a valid foreign VAT ID (EU) or entrepreneur certificate (third country), otherwise German VAT will be charged as for domestic entrepreneurs or non-entrepreneurs.

Date

Stamp

Signature

E-Mail: exhibitor@ikt.institute / Fax: +49 17806-88