

The logo consists of a stylized 'A' shape formed by three parallel, slanted lines. The top two lines are red, and the bottom line is grey. To the right of this graphic, the words 'ASSET' and 'PERFORMANCE 4.0' are stacked in a bold, grey, sans-serif font.

ASSET PERFORMANCE 4.0

CALL FOR PRESENTATIONS & WORKSHOPS

The Asset Performance 4.0 2022 online conference takes place from October 25th till 27th 2022.

What is Asset Performance 4.0?

The industrial landscape is currently right in the middle of the fourth industrial revolution with new technologies such as the Industrial Internet of Things (IIoT), big data, predictive analytics, machine learning and more being implemented at an ever-increasing pace. The combination of IIoT and predictive analytics offers unseen possibilities for operations, maintenance and asset reliability with more diverse and affordable solutions to monitor and increase asset performance (equipment uptime, energy consumption, quality output,...).

After having organised the very successful Euromaintenance 4.0 Conference, BEMAS took the initiative for the Asset Performance 4.0 platform. With this initiative, BEMAS offers an opportunity to stakeholders from all over Europe and beyond, to exchange ideas and inspiration in the field of digital transformation, industrial manufacturing and infrastructure management. The initiative was kicked-off in September **2020**, with an **online** conference followed by a webinar series and inspired 900+ participants. The next year, Asset Performance 4.0 went hybrid! AP 4.0 featured a **hybrid** conference and exhibition in October **2021**, with a mix of virtual presentations online and live presentations in Antwerp, Belgium.

Our **2022** conference will be **virtual** again. For this occasion, we are looking for speakers willing to share their insights on digital transformation in operations, maintenance and asset management in order to achieve higher equipment reliability and cost performance in asset intensive industries.

Contents

Contents	2
How to get involved at Asset Performance 4.0	3
1.1 Presentations	3
1.2 Workshops	3
1.3 Asset Performance 4.0 Award	4
Possible presentation & workshop topics	5
Who can come speak at Asset Performance 4.0?	7
Why come speak at Asset Performance 4.0?	7
Submission deadline	7
How to submit a presentation, workshop or hackathon proposal	7
Accompanying speaker rates	8
7.1 Speaker rates	8
7.2 Workshop facilitator rates	8

1. How to get involved at Asset Performance 4.0

We're currently looking for people to give a **presentation or a workshop** at our **virtual conference in 2022**.

1.1 Presentations

Asset Performance 4.0 focuses on disruptive technologies and solutions to increase performance in the field of operations maintenance, reliability, condition monitoring throughout the asset lifecycle. We are looking for speakers who want to showcase their innovations and expertise in this field during a 40 minute presentation.

Industry cases, pilot cases, academic viewpoints or solution-oriented cases are welcome. For this, we are looking for in-depth, qualitative content that inspires our audience to continue working on asset performance.

We are also looking for managers and engineers working in asset intensive organisations in all types of industries (Oil&Gas, Chemical industry, Manufacturing, Food & Pharma, Infrastructure, ...) willing to talk on how they handle the challenges in maintaining and managing their assets. We are looking forward to hear about experiences with 4.0-solutions currently being implemented in (pilot) sites.

If you are a service or solution provider, we insist on presenting a case together with an asset owner. In order to get higher chances of being selected, we advise you to mention the company and speaker on your abstract.

1.2 Workshops

Online Workshops have a duration of 1,5 hours or 3 hours. The aim of a workshop is to give participants a first experience with a certain methodology or solution in the field of maintenance and operations.

So we are looking for workshop animators willing to teach participants how to use disruptive technologies or solutions and to get them acquainted with how new solutions can help them increase asset performance. Make sure the set-up of your workshop is suitable for online participation.

1.3 Asset Performance 4.0 Award

The Asset Performance 4.0 Award is open to all types of organisations that operate in an asset-intensive environment. These can be maintenance services, project teams or asset management organisations in the industry or infrastructure world or technical service providers .

In 2022, BEMAS will be handing out the Award for [Technical Team of the Year](#).

The Asset Performance 4.0 award will be organised during the Asset Performance 4.0 Conference and Exhibition in October 2023.

Signing up for the Asset Performance 4.0 Award can be done via www.assetperformanceawards.eu. The Awards are not only open to Belgian entries, but also to other European entries.

2. Possible presentation & workshop topics

In brief, we are looking for speakers to give an **English spoken** presentation or workshop on one of the following topics:

1. Predictive & prescriptive maintenance

- 1.1 Asset Health Management (dashboarding, assessment, ...)
- 1.2 Predictive maintenance & Remaining Useful Life prediction
- 1.3 Prescriptive & Prognostic maintenance

2. Smart operations & manufacturing

- 2.1 Autonomous operations
- 2.2 Manufacturing process optimization
- 2.3 Smart production planning & scheduling
- 2.4 Yield optimization

3. Artificial Intelligence Systems & Algorithms

- 3.1 AI & Machine learning
- 3.2 Anomaly detection
- 3.3 Cognitive analytics
- 3.4 Conversational assistance
- 3.5 Decision-making algorithms
- 3.6 Hybrid Modeling
- 3.7 Hybrid Intelligence
- 3.8 Knowledge extraction

4. Asset Data Management

- 4.1 Asset data strategies
- 4.2 Cybersecurity
- 4.3 Data capture
- 4.4 Data logging & storage
- 4.5 Data quality management & enhancement
- 4.6 Data visualization
- 4.7 Digital twins

5. Asset Management 4.0

- 5.1 Asset Performance Management (Cost management, KPI's, Dashboarding, Benchmarking, Financial reporting, PDCA, ...)
- 5.2 Asset Portfolio management (Life Cycle Management, Life Cycle Cost optimization, Obsolescence, Asset investment & decommissioning decision taking, ...)
- 5.3 Digital transformation
- 5.4 Risk Management associated with operating assets (integrity, compliance, operational safety, ...)

6. Reliability 4.0

- 6.1 Approaches, solutions and (digital) tools for Reliability & Maintenance strategies
- 6.2 Condition monitoring techniques and tools for asset health assessment and asset degradation prediction
- 6.3 Leadership & Reliability Culture (Goal setting, change management, cultural change, motivation, ...)
- 6.4 Lubrication 4.0
- 6.5 Solutions and (digital) tools for Asset Condition Monitoring & Management

7. Smart Quality Assurance & Quality Control 4.0

- 7.1 Automated sampling & analysis
- 7.2 Production quality optimization

- 7.3 Smart quality inspection
- 7.4 Smart vision

8. Energy & Emission Optimization

- 8.1 Circular maintenance
- 8.2 Energy efficiency optimization
- 8.3 Smart energy monitoring
- 8.4 Smart energy reporting

9. Motor Systems 4.0

- 9.1 Explosion proof motors
- 9.2 Motor Energy Efficiency
- 9.3 Motor Health Assessment
- 9.4 Motor Life Cycle Management & Performances
- 9.5 Sustainability & Circular Economy applied on Motors

10. Smart maintenance & service supply chain

- 10.1 3D printed spares
- 10.2 Autonomous Supply Chain & Smart inventory
- 10.3 Blockchain for maintenance & service logistics
- 10.4 Digital services
- 10.5 Servitization
- 10.6 Turn Around Management 4.0

11. The connected operator & maintenance technician

- 11.1 Augmented, Mixed & Virtual Reality (AR, MR & VR)
- 11.2 Enhanced Health & Safety
- 11.3 Enhanced Technician efficiency & effectiveness
- 11.4 Mobile data for mobile workers
- 11.5 Remote assistance
- 11.6 Wearables

12. Industrial Internet of Things & Innovative solutions

- 12.1 Connected CMMS & ERP 4.0
- 12.2 Edge computing
- 12.3 IIoT Platforms
- 12.4 IIoT Security
- 12.5 Smart sensors & smart metering
- 12.6 Smart tools, drones & robotics for maintenance

3. Who can come speak at Asset Performance 4.0?

Submissions are open to everyone involved in maintenance & asset performance (asset owners, OEM, solution providers, service providers, research institutions...).

We are actively looking for industry cases. That is why we are asking solution & service providers to submit a presentation including a practical case presented by a user/asset owner. Furthermore, also concepts, pilot cases, academic viewpoints or solution-oriented cases are welcome. For this, we are looking for in-depth, qualitative content that inspires our audience to continue working on asset performance.

As Asset Performance 4.0 will be a virtual conference, all speakers will be presenting remotely via a webinar tool provided by the Organisor.

There are no financial obligations to speak at Asset Performance 4.0. Speakers neither have to pay for registration nor have to purchase a booth in order to be allowed to present at the conference.

Asset owner speakers can participate with 2 speakers for free. Academic presenters can participate with 1 free speaker. Special rates apply for accompanying speakers.

Workshop animators can participate with 2 people for free. For additional animators, special rates apply.

4. Why come speak at Asset Performance 4.0?

- Speaking at the conference helps you to demonstrate the competences of your company in the field of asset performance.
- Get feedback from peers.
- Speaking or giving a presentation helps you to crystallize your ideas and concepts, which helps you to gain new insights.
- Free access to the online platform, with access to all live content and all recordings from previous editions.

5. Submission deadline

Submissions must be filed by April 30th, 2022 via the [Asset Performance 4.0 Call for Speakers 2022](#).

Submitting a presentation after this date will remain possible. Your presentation can then be planned in as a webinar preceding or following the conference.

The proposals will be reviewed by the program committee. The selected speakers and workshop animators will be informed in June 2022.

6. How to submit a presentation or workshop proposal

1. Use the following links to submit a [presentation proposal](#) / to submit a [workshop proposal](#).
2. Enter your **personal details**.
3. If applicable, enter the personal details of the second speaker. You can add up to 1 extra speaker.
If you are submitting a workshop proposal and have a 3d speaker, please mention this in the field for "additional remarks".
4. Enter the **details of your presentation**. You don't need to upload your full presentation yet. We just need a concept and general idea of what you want to present. Make sure to elaborate this well. If you already have an existing presentation or a file with additional information, you can add this as an annexe.
6. **Review** your before submitting
7. Please note that this platform does not allow you to make changes after submission.
If you wish to change anything afterwards, please contact info@assetperformance.eu
8. If you wish to submit another abstract, you will have to fill out another form.

7. Speaker rates

7.1 Speaker rates

Valid for 2 presentation speakers for asset owners, 1 presentation speaker for academic presentations.

Online Conference package for speakers: FREE

7.2 Workshop facilitator rates

Valid for 2 workshop animators.

Online Conference package for speakers: FREE

If you are presenting with more than 2 speakers, please contact us at info@assetperformance.eu for the special accompanying speaker rates.