



KEY RESULTS OF THE ROUND TABLE

“RELIABLE GENERATIVE AI: A KEY TO INDUSTRIAL COMPETITIVENESS”

Panellists: Mehdi Ali (Fraunhofer IAIS, DE), Michael Bartsch (ai. dopt, DE), Hans-Jörg Vögel (BMW Group, DE), Ludwig Siegele (Moderation)(The Economist, DE)

AI represents a transformative force for industries, offering opportunities to enhance productivity and streamline operations. Using AI, industries can, for example, create multilingual models tailored to diverse markets or implement energy-efficient algorithms to optimise manufacturing and mobility processes.

Challenges remain in ensuring that AI applications in industry are reliable, efficient and ethically sound. Generative AI often requires significant computational resources, leading to high energy consumption, and it can produce inaccurate or nonsensical outputs, known as ‘data hallucinations’. To address reliability issues, models must be trained on large volumes of accurate, domain-specific data. Robust quality control measures that integrate human oversight are necessary for industries to maintain operational integrity.

These challenges highlight the importance of frameworks to guide AI integration across industries. The EU’s AI Act supports this effort by fostering responsible development and ethical experimentation within a regulated framework. Strengthening Europe’s AI capabilities will require collaboration between industry, academia and governments, with an emphasis on cultivating skilled talent. Strategic AI deployment relies on knowledge sharing, which enables stakeholders to exchange insights and refine best practices. By leveraging its engineering expertise and regulatory foresight, European industry can position itself as a global leader in both technological competitiveness and responsible AI innovation.

THE EXPERT PANEL ARTICULATES THE FOLLOWING CALLS TO ACTION:

Enhance AI reliability for industrial applications.

1 — Strengthen AI’s dependability by training models on extensive, high-quality, domain-specific data. Implement active human oversight to minimise data hallucinations and ensure that outputs maintain trust in industry operations.

Implement regulatory frameworks that leave space for experimentation.

2 — Leverage the EU’s AI Act to encourage responsible AI development, providing industries with the flexibility to experiment and innovate within a framework that upholds ethical standards and promotes trust.

Position EU industries as leaders in responsible AI development and deployment.

3 — Building on EU values such as transparency, sustainability and ethical innovation, stake out a unique global leadership role for EU industry in the advancement of responsible and effective AI solutions.

CONTACT

Falling Walls Foundation gGmbH

Dr. Andreas Kosmider
Managing Director
andreas.kosmider@falling-walls.com






Phone: +49 30 609 883 97 28

Mobile: +49 172 273 75 77

Web: www.falling-walls.com

Falling Walls Foundation gGmbH

Kochstraße 6–7
10969 Berlin

 [fallingwalls](https://www.facebook.com/fallingwalls)
 [falling walls](https://www.instagram.com/fallingwalls)
 [@Falling_Walls](https://twitter.com/@Falling_Walls)
 [falling-walls-foundation](https://www.linkedin.com/company/falling-walls-foundation)
 [FallingWallsFoundation](https://www.youtube.com/FallingWallsFoundation)



Bridge the gap between academia and industry.

4 — Strengthen partnerships among industries, universities and governments to accelerate the development of AI capabilities.

Implement AI upskilling initiatives.

5 — Encourage cross-sector knowledge-sharing to equip individuals with the skills needed to use and benefit from AI applications in industry.

This expert panel is supported by Fraunhofer-Gesellschaft and assembled in the framework of the Falling Walls Science Summit 2024 in Berlin. The Falling Walls Science Summit is a leading international, interdisciplinary, and intersectoral forum for scientific breakthroughs. It commemorates the fall of the Berlin Wall and aims to promote dialogue between science and society.

CONTACT

Falling Walls Foundation gGmbH

Dr. Andreas Kosmider
Managing Director
andreas.kosmider@falling-walls.com






Phone: +49 30 609 883 97 28

Mobile: +49 172 273 75 77

Web: www.falling-walls.com

Falling Walls Foundation gGmbH

Kochstraße 6-7
10969 Berlin

 [fallingwalls](https://www.facebook.com/fallingwalls)
 [falling walls](https://www.instagram.com/fallingwalls)
 [@Falling_Walls](https://twitter.com/@Falling_Walls)
 [falling-walls-foundation](https://www.linkedin.com/company/falling-walls-foundation)
 [FallingWallsFoundation](https://www.youtube.com/FallingWallsFoundation)