

binding.energy – Conference 2027

Date: January, 12th – 14th, 2027 (Tuesday – Thursday)
Place: Aachen, Germany
Language: English

The binding.energy conference is Europe's leading platform bringing together pioneers, decision-makers, and innovators from the worlds of fusion and fission. Taking place in Aachen, the event builds a strategic bridge between two communities that are shaping the future of energy.

Participants can expect high-level insights from international stakeholders, industry leaders, government officials, and next-gen startups. In carefully curated sessions, speakers will address cutting-edge developments—from new reactor concepts and fusion demonstrators to site reuse, regulatory frameworks, and cross-sector synergies.

Why attend?

- Discover state-of-the-art innovations in nuclear fission and fusion
- Meet the people shaping the future of clean energy—from developers to policymakers
- Explore synergies and collaboration opportunities between both technologies
- Stay ahead of regulatory, technological, and market developments
- Be part of a conference that combines deep insight, strategic networking, and a truly international perspective

With keynote speeches, TED-style presentations, and in-depth panel discussions, binding.energy provides the visibility, momentum, and dialogue that the nuclear sector needs—now more than ever.



Coordinator

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Program

13:00 - 13:30 **Registration**

13:30 - 13:40 **Welcome & Opening**

13:40 - 16:00 **TOPIC 1 - Global Perspectives & Nuclear Infrastructure of Tomorrow**

13:40 - 14:00 **The UK's Nuclear Programme: From Policy Commitment to Industrial Delivery**

Tom Greatrex (CEO) – Nuclear Industry Association UK

14:00 - 14:20 **Building Nuclear Capacity in Poland: Industrial Potential, SMR Deployment and European Supply Chain Integration**

Monika Silva (Deputy General Director) – IGEOS Nuclear

14:20 - 14:40 **Enabling the Nuclear Future: Technology, Supply Chains and Industrial Leadership**

Dr. Uwe Bau (CEO) – Gauss Fusion

14:40 - 15:00 **Panel Discussion 1**

15:00 - 15:20 **Coffee Break**

15:20 - 15:40 **Company Pitches**

15:40 - 16:00 **Europe's Nuclear Industrial Agenda: Fission, SMRs and Fusion as One Strategic Framework**

N.N. – European Commission DG Research & Innovation C4 – Euratom Research

16:00 - 16:20 **From Fusion Strategy to Commercial Deployment: Building Europe's Competitive Fusion Industry**

Olga Bakardzhieva (EU Director) – Fusion Industry Association

16:20 - 16:40 **The Role of Utilities in the Fusion Economy: Infrastructure, Partnerships and Scale-Up**

Dr. Cord-Henrich Lefhalm (Innovation Manager) – RWE Nuclear

16:40 - 17:00 **Panel Discussion 2**

CONFERENCE DINNER AT AACHEN KURHAUS

Welcome starts at 6.30 PM | Dinner starts at 7.00 PM

9:00 - 9:10 **Welcome to Day 2**

9:10 - 12:30 **TOPIC 2 - Advancements in Nuclear Fission: Gen-IV & SMR on the Rise**

- 9:10 - 9:30 **EAGLES-300: Advancing SMR Deployment Through Standardization and Scalable Nuclear Infrastructure**
Dr. Christophe Bruggeman (Deputy Director General) – SCK CEN
- 9:30 - 9:50 **Building the Next Generation of Nuclear Energy: Turning Innovation into Infrastructure**
Florian Wagner (CEO) – Emerald Horizon
- 9:50 - 10:10 **N.N.**
Dr. Jan Philipp Dalbruck – NX Atomics (tbd)
- 10:10 - 10:30 **Panel Discussion 3**
- 10:30 – 10:50 **Coffee Break**
- 10:50 - 11:00 **Company Pitches**
- 11:00 - 11:20 **Czechia's Nuclear Roadmap: Scaling SMRs Through Industrial Deployment and International Partnerships**
Silvana Jirotková (Director of the SMR Development Unit) – ČEZ
- 11:20 - 11:40 **Lead-Cooled Advanced Modular Reactors: From Swedish Research to Europe's First Advanced Reactor Park**
Jane Wallenius – Blykalla (tpd)
- 11:40 - 12:00 **From Advanced Reactor Concepts to Deployment: The IAEA's Role in Enabling SMRs and Generation IV**
N.N. – International Atomic Energy Agency (tpd)
- 12:00 - 12:30 **Panel Discussion 4**
- 12:30 – 13:30 **Lunch Break**
- 13:30 - 14:00 **Special Announcements**
- ProFusion: Building a European Platform for Fusion Collaboration and Industrial Development**
Dr. Hans-Henrich Altfeld (Board Member) – ProFusion – German Industrie Association
- From Simulation to Hardware: Engineering Challenges in Next-Generation Nuclear Technologies.**
Martijn Krijnen (Business Developer) – DEMCON

14:00 - 17:00 **TOPIC 3 - Fusion in Action: Demonstrators, Breakthroughs & Market Potential**

14:00 - 14:20 **Scaling Fusion Through Collaboration: The Strategic Role of the Alpha Alliance**

N.N. (Head of Partnerships) – Proxima Fusion

14:20 - 14:40 **EUROfusion's Path to Fusion Energy: From ITER Support to DEMO and Europe's Industrial Readiness**

Dr. Gianfranco Federici (Programme Manager) – EUROfusion

14:40 - 15:00 **Industrializing Fusion: Gauss Fusion's Path to Commercial Stellarator Energy**

Dr. Samuel Lazerson (Stellarator Physics Lead) – Gauss Fusion

15:00 - 15:20 **Panel Discussion 5**

15:20 – 15:40 Coffee Break

15:40 - 16:00 **A Novel Fast Ignition Concept for Inertial Confinement Fusion**

Prof. Dr. Hartmut Ruhl (CSO) – Marvel Fusion

16:00 - 16:20 **Driving Breakthrough Innovation: SPRIND's Role in Advancing Energy and Deep-Tech Transformation**

Dr. Antonia Schmalz (Innovation Manager) – SPRIND

16:20 - 16:40 **Beyond Ignition: The Path to Commercial Laser Fusion Energy**

Prof. Dr. Markus Roth (CSO) – Focused Energy

16:40 - 17:00 **Panel Discussion 6**

17:00 – 17:30 **Young Generation Session – Part 1**

The Next Nuclear Generation: Shaping the Future of Fission and Fusion

1. Winner WiN (Women in Nuclear) Prize

From 17:30 – Exhibitor event (Get-together with Beer and Pretzels)

09:00 - 09:10 **Welcome to Day 3**

09:10 - 09:30 **Special Announcements**

ENEN and the Future of Nuclear Competence in Europe

Dr. Gabriel Pavel (Executive Director) – European Nuclear Education Network

From Fusion Education to Fusion Careers: Connecting Europe's Students with Research and Industry

Dr. Dario Cruz (Executive Director) – FuseNet (tpd)

09:30 - 09:50 **Company Pitches**

09:50 – 10:10 **Young Generation Session – Part 2**
Choosing Nuclear: What the Next Generation Expects from Careers and Industry

10:10 – 10:30 Coffee Break

10:30 - 12:00 **TOPIC 4 - Bridging Worlds: Synergies Between Fusion and Fission**

10:30 - 10:50 **N.N.**
N.N. – ITER

10:50 - 11:10 **Building Europe's Nuclear Skills Base: From Industry Needs to a Nuclear Skills Academy**
Anne-Sophie Defay (Director of European affairs) - GIFEN (tpd)

11:10 - 11:30 **A step to reality: Radiological Zoning Concepts for Fusion Facilities**
Wesley McCollough (Vice President Practical Radiation Protection) – TÜV Nord Clean Energy

11:30 - 11:50 **Panel Discussion 7**

11:50 - 12:00 **SUMMARY & OUTLOOK**
Closing Reflections and Thank You

12:00-12:30 Quick Lunch
END OF CONFERENCE