The Fusion – Fission Community Event



binding .energy 2027

January 12-14, in Aachen

The **binding.energy** conference brings the fusion and fission communities together, to network and establish industry contacts. By sharing practical experience in nuclear technology and radiation protection and presenting new concepts in fusion technology, the event will provide a platform for both communities to benefit from each other and explore new business opportunities.

https://binding.energy

Organiser actimondo

MEDIAPARTNERS

Nuclear Engineering International · Fusion Industry Association · wne Paris · Wirtschaftszeit · EEI · nucleareurope · atw

COMPANIES

Marvel Fusion · WiN Germany · copenhagen atomics · Proxima Fusion · CEZ Group · emerald horizon · sck cen · Focused Energy · Gifen · Gauss Fusion · IYNS · RWE · SPRIN-D · enen · FuseNet · ProFusion · NEA · BLYKALLA · EUROfusion · NIA · IGEOS · European Commission

EXHIBITORS

TÜV NORD · DEMCON High-Tech Systems · TÜV SÜD · research instruments · iter · HINNEBURG GmbH

13:00 – 13:30 **Registration**

13:30 – 13:40 WELCOME & OPENING TO DAY 1

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**

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 and Fusion Industry**
Conrad Bellehumeur (Executive Director in Europe) – Fusion Industry Association

16:20 - 16:40 **The Role of Utilities in the Fusion Economy: Infrastructure, Partnership and Scale-up**
Dr. Cord-Henrich Lefhalm (Innovation Manager) – RWE Nuclear

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

CONFERENCE DINNER AT AACHEN KURHAUS
Welcome starts at 6.30 PM | Dinner starts at 7.00 PM

09:00 - 09:10 WELCOME TO DAY 2

09:10 - 12:30 **TOPIC 2 – Advancements in Nuclear Fission: Gen-IV & SMR on the Rise**

09:10 - 09:30 **EU-SMR-LFR Advancing SMR Deployment Through Standardization and Scalable Nuclear Infrastructure**
Vincent Schryvers (Deputy Institute Director) – SCK CEN

09:30 - 09:50 **Building the Next Generation of Nuclear Energy: Turning Innovation into Infrastructure**
Florian Wagner (CEO) – Emerald Horizon

09:50 - 10:10 **India's Nuclear Future: Advanced Reactors, SMRs, Fusion and the Next Generation**
Dr. Nitendra Singh (President) – Indian Youth Nuclear Society (IYNS)

10:10 - 10:30 **Panel Discussion**

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**
N.N.– ČEZ

11:20 - 11:40 **Lead-Cooled Advanced Modular Reactors: From Swedish Research to Europe's First Advanced Reactor Park**
Janne Wallenius (CTO) – Blykalla

11:40 - 12:00 **From Advanced Reactor Concepts to Deployment: The IAEA's Role in Enabling SMRs and Generation IV**
Ryan Wagner (Technical Lead) – International Atomic Energy Agency

12:00 - 12:30 **Panel Discussion**

12:30 –13:30 Lunch Break

Special Announcements

13:30 - 13:40 **ProFusion: Building a European Platform for Fusion Collaboration and Industrial Development**
Dr. Hans-Henrich Altfeld (Board Member) – ProFusion – German Industrie Association

13:40 - 13:50 **Thorium Molten Salt Reactors: A New Perspective for Europe's Energy-Intensive Industry"**
Wilfried Hahn (Supervisory Board) – Copenhagen Atomics

13:50 - 14:00 **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**
Ahmed Diallo (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**

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**

17:00 - 17:30 **Young Generation Session**
The Next Nuclear Generation: Shaping the Future of Fission and Fusion
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

Special Announcements

09:10 - 09:30 **ENEN and the Future of Nuclear Competence in Europe**
Dr. Gabriel Pavel (Executive Director) – European Nuclear Education Network

09:20 - 09:30 **From Fusion Education to Fusion Careers: Connecting Europe's Students with Research and Industry**
David Becker (Student Council Chair) – FuseNet

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

09:50 – 10:10 **Young Generation Session**
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 **ITER at the Crossroads of Fusion Development: Progress, Industrial Engagement and the Path Ahead**
Dr. Alain Becoulet (Deputy Director General) – 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

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 Solutions

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

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

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

SCAN ME

Join the platform for the nuclear community. Network. Learn. Grow.

Exclusive access to knowledge, training and a unique community. Free of charge and for all interested parties.