EFDS

Europäische Forschungsgesellschaft Dünne Schichten e. V.
European Society of Thin Films

2025 VACUUM PLASMA SURFACE COATING

V2025

International Conference & Exhibition

INTERNATIONAL CONGRESS CENTER DRESDEN

OCTOBER 13 – 16, 2025

Conference Focus: Sustainability, Resiliance & Circular Economy

Thin Films and Surface Treatment for

Energy · Optics · Tools & Components · Bio- & Medical Applications

Foto: © René Jungnickel

www.efds.org/v2025

Main Topics

- Tutorial »Sustainability in Surface Engineering«
- Energy Technologies
- Tools & Components
- Optics and Optical Components
- Thin Film meets Biotechnology
- Sustainability & Flexible Substrates
- Special – Gas Conversion

Network & Industrial Exhibiton

- **Knowledge and Experience –** exchange with experts on new ideas, best practices and valuable experiences that expand your own knowledge.
- **Resource Access** for business and academia – sharing information and tools that can be useful for personal or professional development.
- **Promoting Innovation –** The exchange of ideas and perspectives within a network can lead to new approaches to innovation and creative solutions
- Industrial Exhibition & Industrial Evening
- V-Dinner in ambient atmosphere

V2025

V2025 is the meeting place for the vacuum, plasma and coating technology industry. V2025 offers a unique platform to learn about the innovative trends and developments, exchange knowledge and initiate new collaborations.

- Top-class presentations: Renowned experts from industry and science share their latest research findings and developments.
- Discussion panels: Exchange views on current challenges and future trends in the fields of vacuum, plasma and coating technology.
- Trade exhibition: Experience the newest products and innovations from the industry up close.
- Networking: Make valuable contacts and expand your professional network.

»We have been attending the V-Conference for many years and really appreciate the atmosphere and the discussions. The large number of presentations from the industry demonstrates the event's proximity to the industry. My personal highlight at each V-conference is the industrial evening. The last ties disappear and in a relaxed atmosphere the ›potential business partner‹ becomes a person face to face. The EFDS team leads with perfect organization and support during the whole conference and achieves the challenge to connect the research with the industry. The fascination for vacuum processes and thin films is the connecting part of both worlds.« Aaron Strobel (LSA GmbH)

EFDS – Translating Know How into Value

EFDS is the European network of experts in surface and thin film technology for the future questions and solutions of innovative companies and research institutions. EFDS motivates research and innovation through intensive exchange and cooperation between stakeholders and ensures entrepreneurial value creation through forward-looking ideas, brings people together, gives inventors a voice and supports innovative companies with inspiration and competent partners.

EFDS supports these driving factors for innovation and sustainable growth together with international partners from business, science and politics. The EFDS brings together people, gives inventive people a voice and supports innovative companies by inspiration und competent partners.

Mission: The EFDS

- operates as open and independent moderator as well as scientific reliable expert network. So, we create and ensure quality.
- is an initiator, a platform and an engine to develop innovative surface and thin film technology.
- is courageous and open for ideas and experiments. So, it supports science and research.

Visibility & Customer Service

Industrial Exibition

Present your expertise and range of service options at the industrial exhibition. Secure your exhibition stand and give your forward-looking ideas new space.

Online Registration www.efds.org/v2025

V2025 Programm

The V2025 conference and exhibition is one of the most established and highly regarded meetings of the vacuum, plasma and coating community in Europe. It addresses several of the major global challenges, including sustainable development, resilient ecosystems and the circular economy, through the presentation of increasingly important key technologies. The specific workshops, in addition to introductory keynotes, facilitate a more profound understanding of the particular approaches, while the exhibition serves to connect technology and hardware, as well as research and application. Vacuum, plasma and coating technologies are important key technologies for this change and offer great opportunities.

Tutorial »Sustainability in Surface Engineering«

Challenges for coating technology: What is sustainability, what are the regulatory requirements and how is the CO_2 equivalent calculated? How to optimize CO_2 emissions by choosing the right surface treatment and coating tool, the right materials and optimal processes. Questions we would like to discuss in this workshop. For your company, sustainability means thinking and acting for the long term. At least two aspects of sustainability must be taken into account in surface technology. Surface technology and surface treatments can significantly reduce the environmental impact of the products and systems that rely on them. On the other hand, the application of surface technologies also has an impact on the environment. It is important to understand the quantitative value on a CO_2 equivalent basis for a system and technology. What can be done to reduce the CO_2 equivalent of surface treatment technologies?

Gas Conversion Through Activation With Non-Thermal Plasma – an Inspiring Idea for Cold Gases

The switch from fossil fuels to renewable energy sources and the necessary reduction of environmentally and climate-relevant emissions are constantly presenting conventional conversion technologies with new challenges. Traditional methods of energy generation and chemical conversion, which rely heavily on fossil fuels, must be significantly adapted or replaced in order to meet the increasing demands for sustainability and environmental protection. Plasma gas conversion as an advanced technology, makes it possible to use renewable energy sources efficiently while minimizing greenhouse gas emissions. By using plasmas to trigger and accelerate chemical reactions, processes can take place at lower temperatures and with greater energy efficiency. This makes plasma gas conversion a promising solution to the challenges of the energy transition and climate protection.

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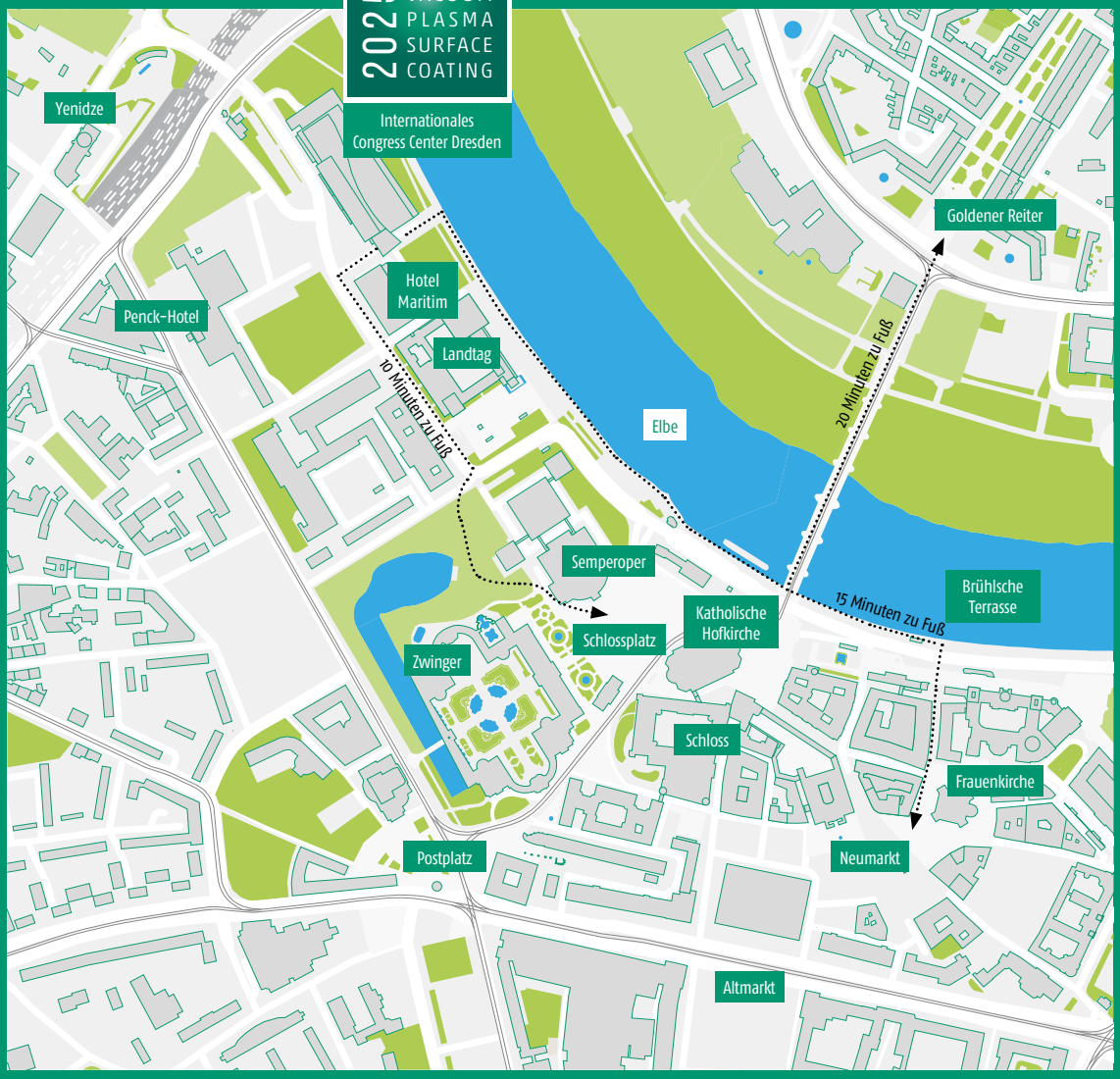

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