

The logo for ISAM 2025, featuring the text "ISAM" stacked above "2025" in a bold, yellow, sans-serif font, enclosed within a yellow square border.

## **Dimitry Badyukov**

Optoprim Germany GmbH

Topic

### **Innovative Laser Technology: Elevating Additive Manufacturing with Superior Quality, Performance, and Unique Capabilities**

The rapid evolution of laser technology is revolutionizing the field of additive manufacturing, offering unprecedented opportunities for enhanced performance and material properties. Therefore, we will explore the latest advancements in laser systems, beam shaping technology and optical design and their transformative impact on various additive manufacturing processes, including Laser Powder Bed Fusion (LPBF), Directed Energy Deposition (DED), and Selective Laser Melting (SLM).

### **About the Speaker**

Dimitry Badyukov, Master of Physics, is a Technical Sales and Laser Application Specialist at Optoprim Germany, focusing on High-Power Fiber and Ultra Short Pulsed Laser technologies. With over 20 years of industry experience at ARGES GmbH and BIAS, he excels in consultative sales, innovative product development, complex laser application solutions, and strategic customer support across advanced technical markets.