PRESS RELEASE

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Laser Expert Lasagni Elected to WLT

Admission to Prestigious Scientific Society Underscores Contributions to Laser-based Manufacturing and Innovation

(Dresden, Germany, 08/29/2024) Prof. Dr. Andrés Fabián Lasagni has been elected as a member of Wissenschaftliche Gesellschaft für Lasertechnik e. V. (WLT). The election occurred during the society's recent general meeting, recognizing his pioneering work in laser-based manufacturing and his role in advancing sustainable technologies. Prof. Lasagni is the Chair of Laser-Based Manufacturing at the Institute for Manufacturing Science and Engineering at Dresden University of Technology and the Director of the Center for Advanced Micro-Photonics (CAMP) at Fraunhofer IWS.

"It is a great honor to be elected as a member of the WLT," Prof. Lasagni said. "This recognition validates the work I started 20 years ago and underscores the importance of laser technology in advancing scientific and industrial applications." He is dedicated to harnessing laser technology for sustainable and efficient manufacturing processes. "Certainly, I am excited about the potential of laser technology to revolutionize sustainable and efficient manufacturing. The versatility of laser technology is immense, from enhancing the efficiency of electrodes for hydrogen generation to developing antibacterial surfaces or efficient solar cells. Together with intelligent process monitoring systems, these advancements will play a crucial role in the future of manufacturing," he added.

About Prof. Andrés Fabián Lasagni

Prof. Andrés-Fabián Lasagni, of Argentinean, Italian, and German descent, received an MSc in Chemical Engineering from National Comahue University, Argentina, in 2002 and a Ph.D. in Materials Science from Saarland University, Germany, in 2006. From 2007 to 2008, he was a Research Scientist and Alexander von Humboldt Fellow at the Georgia Institute of Technology. From 2008 to 2017, he was a Group Leader at the Fraunhofer Institute for Material and Beam Technology IWS, developing several optical concepts for Direct Laser Interference Patterning. Since 2012, he has been a professor at the Institute of Manufacturing Technology at Technische Universität Dresden, and since 2017, he has been the Director of CAMP in cooperation with Fraunhofer IWS. His research focuses on developing functionalized surfaces using laser-based methods, creating optical devices for high-throughput laser texturing, and innovating in-line

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monitoring systems. He has published over 500 articles and holds more than 30 patents. His work has earned him numerous accolades, including the Fritz-Grasenick-Prize, Werner Köster Prize, and Green Photonics Award. Beyond his research and academic achievements, Prof. Lasagni promotes international scientific collaboration by coordinating the Network of Argentinean Scientists in Germany (RCAA). In addition he co-founded SurFunction GmbH.

About Wissenschaftliche Gesellschaft für Lasertechnik e.V.

Promotion of laser technology and the development of laser radiation as a universally applicable tool: The WLT is committed to making a significant contribution to photonic technologies in science and industry. The organization is distinguished by its broad representation of scientific, engineering, and medical research institutions in the field of laser technology and optical technologies, bridging the gap between research, development, industrial production, and medical applications. The promotion of young scientists is a particular priority for the WLT. Vice President Prof. Dr. Ing. Christoph Leyens, who also heads the Fraunhofer Institute for Material and Beam Technology IWS and the Institute for Material Science at the Technical University of Dresden, is a member of the board.

Prof. Dr. Andrés Fabián Lasagni is now a Scientific Society for Laser Technology member.
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