

# 8<sup>th</sup> ULT Symposium

14-15 May 2024, Löbau

Effective and sustainable production  
with intelligent air technology

30<sup>1994</sup>  
2024



## Program

### Tuesday, 14 May 2024

From 10 a.m. Reception with small snack

- |            |   |  |
|------------|---|--|
| 10:45 a.m. | Opening   | ULT  |
| 11:00 a.m. | Integration of industrial extraction technology into the laser ablation process | Werner Knöppel,<br>Clean - Lasersysteme GmbH |
| 11:30 a.m. | Energy-efficient solutions in air technology                                    | Patrick Cheever,<br>Ziehl Abegg SE           |

12:00 p.m. Lunch break

- |           |  |   |
|-----------|--|---|
| 1:30 p.m. | Lithium batteries and next-generation materials - what requirements are essential? | Dr.-Ing. Mareike Partsch,<br>Fraunhofer IKTS    |
| 2:00 p.m. | Use of air technologies in the battery production chain                            | Dr. Sarah Michaelis,<br>VDMA Batterieproduktion |

2:30 p.m. Coffee break

- |           |  |  |
|-----------|--|--|
| 3:00 p.m. | Innovations for Transformation                                       | Prof. Dr.-Ing. Welf-Guntram Drossel,<br>Fraunhofer IWU |
| 3:30 p.m. | OPC UA for filter systems: the new companion specification OPC 40740 | Benjamin Wirth,<br>ULT                                 |

from 4:30 p.m. Company tour

from 6:00 p.m. Anniversary celebration 30 years ULT

### Wednesday, 15 May 2024

- |            |  |   |
|------------|--|---|
| 10:00 a.m. | Opening with video message   | Michael Kretschmer,<br>Prime Minister of the Free State of Saxony |
| 10:15 a.m. | Importance of gas purification and air flow for LPBF processes                             | Markus Wolf,<br>ZoneLab GmbH                                      |
| 10:45 a.m. | Capturing, separation and analysis of particle emissions during high-rate laser processing | Dr. Jörg Schille,<br>Hochschule Mittweida                         |
| 11:15 a.m. | Industrial laser processes and the treatment of ablation residues                          | Dr. Jan Flohre,<br>4Jet Technologies GmbH                         |

11:45 p.m. Lunch break

- |            |  |   |
|------------|--|---|
| 12:45 p.m. | Disposal of laser dusts - theory and practice                                      | Marissa Schlunski   |
| 1:15 p.m.  | Trace metal emissions from welding and laser processes and ways to reduce exposure | Dipl.-Ing. Ralf Heidenreich,<br>ILK Institut für Luft- und Kältetechnik |

1:45 p.m. Event conclusion