

Workshop "CopperAM for Industry"  
September 12–13, 2022 | Fraunhofer IWS Dresden

**PROGRAM\***

**Monday, September 12**

(C.E.T.)

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| 12:00–13:00 | Welcome Desk & Fingerfood  |
| 13:00–13:30 | Opening & Introduction<br><i>Frank Brückner   Fraunhofer IWS</i>   |
| 13:30–13:55 | Achievements and Challenges in Copper AM - an OEM's perspective<br><i>Jens Karnapp   EOS GmbH</i>                  |
| 13:55–14:20 | Manufacturing and utilization of pure copper open porous structures<br><i>Robert Otto   Siemens AG</i>             |
| 14:20–14:45 | Copper applications in the accelerator industry<br><i>Andris Ratkus   Riga Technical University</i>                |
| 14:45–15:20 | Coffee break   |
| 15:20–15:45 | Cu and Cu-alloy manufacturing by Fused Filament Fabrication<br><i>Aljoscha Roch   AM Extrusion GmbH</i>            |
| 15:45–16:10 | Using a bi-modal particle size distribution for Binder Jetting of copper<br><i>Moritz Greifzu   Fraunhofer IWS</i> |
| 16:10–16:35 | Topic: Binder Jetting, title tbd<br><i>Lorenzo Marchetti   Digital Metal</i>                                       |
| 16:35–17:00 | Wire electron beam additive manufacturing of copper<br><i>Bernd Baufeld   pro-beam GmbH &amp; Co. KGaA</i>         |
| 17:00–19:00 | Time for hotel check-in  |
| 19:00–22:00 | Social Event @ Fraunhofer Campus   |

**Tuesday, September 13**

(C.E.T.)

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| 08:30–09:00 | Welcome Desk   |
| 09:00–09:25 | Algorithmic Programming – a novel approach for Additive Manufacturing Designs<br><i>Josefine Lissner   Hyperganic Group GmbH</i> |
| 09:25–09:50 | Additive Manufacturing of Pure Copper with Green Laser Light<br><i>Michael Thielmann   TRUMPF SE + Co. KG</i>                    |
| 09:50–10:40 | Lab Tour @ Fraunhofer IWS  |
| 10:40–11:00 | Coffee break   |
| 11:00–11:25 | LPBF of pure copper and copper alloys using a green laser source<br><i>Samira Gruber   Fraunhofer IWS</i>                        |
| 11:25–11:50 | Multi material processing for tooling applications<br><i>Mirko Riede   Fraunhofer IWS</i>  |
| 11:50–12:15 | Laser Direct Metal Deposition of Copper Based Materials<br><i>Sandro Mehner   Fraunhofer USA</i>                                 |
| 12:15–12:30 | Closing remarks  |
| 12:30–13:30 | Networking & Lunch   |