

CORNET Call for Proposals: international Collective Research
--- Partner Profile ---

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| Organisation: | Laboratory for Material and Joining Technology (University of Paderborn) |
| Website address: | www.lwf.upb.de |
| Organisation typology: | <input type="checkbox"/> SME Association <input type="checkbox"/> Cluster <input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify) |
| Sector/field of specialisation: | Joining technologies for lightweight design |
| Expertise offered: | <ul style="list-style-type: none"> - Mechanical Joining <ul style="list-style-type: none"> • Multi-material design for high-performance materials • Analysis and optimisation of hybrid joining processes • Development and improvement of processes, elements, fastener and tools/equipment • Development and optimisation of functional elements - Adhesive Bonding <ul style="list-style-type: none"> • Qualification and dimensioning of adhesive bondings • Development of optimised adhesive bonding processes • Adhesive production processes - Thermal Joining <ul style="list-style-type: none"> • Similar material combinations • Dissimilar material combinations • Advanced analysis of processes and joints - Testing and Characteristics <ul style="list-style-type: none"> • Mechanic-technological testing • Metallography • Non-destructive testing - Numerical Simulation <ul style="list-style-type: none"> • Simulation of joining and manufacturing processes • Joint and structure design • Method development and development of material cards - Certified education and training |

Contact person:

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