

**CORNET Call for Proposals: International Collective Research**

**— Organisation profile —**

Organisation:	Institut fuer Verbundwerkstoffe
Website address:	<a href="https://www.ivw.uni-kl.de/en/home">https://www.ivw.uni-kl.de/en/home</a>
Organisation typology:	<input type="checkbox"/> SME Association <input type="checkbox"/> University <input checked="" type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify)
Sector:	<input checked="" type="checkbox"/> Materials <input checked="" type="checkbox"/> Process Engineering, Energy Technology and Environment <input type="checkbox"/> Business Management and Organisation <input checked="" type="checkbox"/> Construction and Production <input checked="" type="checkbox"/> Chemistry, Textile, Food, Health and Medical <input type="checkbox"/> Measurement and Information
Field of specialisation:	<i>IVW researches fundamentals for future applications of composite materials (mobility, energy, climate and environment, production technology, health care). New materials, construction methods and manufacturing processes are investigated and tailor-made for the respective requirements. The focus is on the entire process chain, from basic materials to characterization and simulation, from construction methods and production technology to component testing and recycling.</i>
Expertise offered:	<i>IVW carries out research on composite materials covering the full range of their applications. Research activities cover the developmental value-added chain from scientific fundamentals to the manufacturing of prototypes in an industry-oriented environment. Expertise in:</i> <ul style="list-style-type: none"> <li>- Design of Composite Structures</li> <li>- Crash &amp; Energy Absorption</li> <li>- Fatigue &amp; Life Time Prediction</li> <li>- Impregnation &amp; Preform Technologies</li> <li>- Press &amp; Joining Technologies</li> <li>- Process Simulation</li> <li>- Roving &amp; Tape Processing</li> <li>- Tailored &amp; Smart Composites</li> <li>- Tailored Thermosets &amp; Biomaterials</li> <li>- Tribology</li> <li>- Material Analytics</li> </ul>
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