

FoF 12 – Industrial technologies for advanced joining and assembly processes of multi-materials

- development of high-efficiency, cost-effective and flexible surfaces
- tailored surface structures (e.g. wear-resistant, corrosion-resistant)
- individually designed integration zones
- characterisation of bonding agents

References:

- [1] Hockauf, M., Meyer, L.W., Nickel, D., Alisch, G., Lampke, T., Wielage, B., Krüger, L. "Mechanical properties and corrosion behaviour of ultrafine-grained AA6082 produced by equal-channel angular pressing", *Journal of Materials Science* **2008** 23–24, p. 7409–7417 <http://dx.doi.org/10.1007/s10853-008-2724-9>
- [2] T. Lindner, C. Friederichs, B. Zillmann, K. Hockauf, B. Wielage, T. Lampke "Development of an integration zone for joining polymer-metal hybrid structures" *Proceeding Euro Hybrid and Structures* **2014**, *accepted for publication*.



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