Veröffentlichungen Dr.-Ing. Nicole Motsch-Eichmann

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2. J. Krummenacker; U. Blass; N. Motsch-Eichmann; J. Hausmann, “Adaptive Personalized Ankle-Foot-Orthosis: 3D Printing and On-Site Carbon Fiber Reinforcement for Tailored Stiffness”, *IEEE Transactions on Neural Systems and Rehabilitation Engineering,* Volume 33, Pages 841-846, February 2025, https://doi.org/10.1109/TNSRE.2025.3542116
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4. C. Becker, J. Hausmann, J. Krummenacker, N. Motsch-Eichmann, “First Conclusions on Damage Behaviour of Recycled Carbon Staple Fibre Yarn Using X-ray and Acoustic Emission Techniques”, *Materials 2023,* 16, 4842. https://doi.org/10.3390/ma16134842
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Fachkonferenzen

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1. C. Becker, N. Motsch-Eichmann, J. Hausmann, “Design and Production Concept for an Aircraft Window Frame Made of rCF Tape”, SAMPE Europe Conference 2025, 06-07 October 2025, Amsterdam (NL)
2. J. Hüppauff, N. Motsch-Eichmann, J. Hausmann, “Design of Integrated Hydrogen Tanks in Small Aircraft”, SAMPE Europe Conference 2025, 06-07 October 2025, Amsterdam (NL)
3. N. Motsch-Eichmann, „Hydrogen Storage Tomorrow – More Efficient with Integrated Pressure Vessels”, IVW Colloquium 2025, September 29-30, Kaiserslautern
4. J.P. Hüppauff, K. Mehl, A. Hendlmeier, C. Queck, N. Motsch-Eichmann, J. Hausmann, „Integration von H_2-Drucktanks in Kleinflugzeugen“, Deutscher Luft- und Raumfahrtkongress 2025 (DLRK2025), 23. – 25. September 2025, Augsburg
5. N. Sindhe Narayana Rao, N. Motsch-Eichmann, T. Pfaff, U. Blass, U. Schmitt, J. Hausmann, „A Double-Wall CFPR Liquid Hydrogen Distribution System as a Structural Component in Aircraft Applications- CF-Hydro”, Deutscher Luft- und Raumfahrtkongress 2025 (DLRK2025), 23. – 25. September 2025, Augsburg
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7. N. Motsch-Eichmann, “Structural Integrity of Load Carrying H_2 Pressure Tanks for Small Aircraft”, 24th International Conference on Composite Materials (ICCM24) August 04-08, Baltimore Maryland (USA)
8. N. Motsch-Eichmann, R. Luengo Scotto, A. Tönjes, “CFRP Reinforcements of 3D Printed Hollow Aluminum Struts for Potentially Load Bearing Lightweight Pressure

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12. C. Becker, N. Motsch-Eichmann, J. Hausmann; „Charakterisierung des gutartigen transversalen Versagensverhaltens von unidirektionalem rCFRP", *DGM Verbundwerkstoffe - 24. Symposium Verbundwerkstoffe und Werkstoffverbunde*, 22. Mai 2024, Freiburg
13. N. Motsch-Eichmann, T. Pfaff1, J. Hausmann, "Load-bearing lightweight Hydrogen Tanks for optimal Use of Design Space", *ECCM21 – 21st European Conference on Composite Materials*, 02-05 July 2024, Nantes, France, https://doi.org/10.60691/yj56-np80
14. J. P. Hüppauff, R. Luengo Scotto, N. Motsch-Eichmann, " Development of an innovative thermoplastic Door-Surround-Structure for a Single-Aisle-Aircraft", *ECCM21 – 21st European Conference on Composite Materials*, 02-05 July 2024, Nantes, France, https://doi.org/10.60691/yj56-np80
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18. J. P. Hüppauff, N. Motsch-Eichmann, J. Hausmann, „Development of an integral thermoplastic aircraft door surround structure", *7th International Conference and Exhibition on Thermoplastic Composite Materials (ITHEC) 2024*, 09.-10.10.2024, Bremen
19. L. Wohlsen, J. Hein, N. Motsch-Eichmann „Development and Application of Large-scale Thermoplastic Integral Frames for Next Generation Aircraft

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53. J. Schlimbach, A. Nuhn, N. Motsch-Eichmann, T. Rief: “Automated Hybrid Composite Processing”, International Conference on Manufacturing of Advanced Composites (ICMAC), Edinburg, UK, 20.-22.10.2021, Digital Conference
54. Rief, T.; Motsch-Eichmann, N.; May, D.; Hausmann, J.: Development of a new method for manufacturing hollow fiber reinforced plastic structures for aeronautical applications using structural cfrp cores. International conference on manufacturing of advanced composites 2021 (ICMAC21), Hybrid: Edinburgh / Online, 20. – 22. October 2021
55. Schimmer, F.; Motsch-Eichmann, N.; Hausmann, J.: Experimental study on the impact dent depth relaxation of thermoplastic and thermoset composites, SAMPE EUROPE Conference and Exhibition 2021, 28.-30. September 2021, Baden, Switzerland, ISBN/EAN: 978-90-829101-3-1
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60. T. Rief, F. Rieger, H. Franz, V. Disandt, W. Gölzer, D. May, N. Motsch-Eichmann, J. Hausmann, „Next.Move-Structural FRP Cores for Aviation Applications“, 30 Jahre - IVW Kolloquium, Kaiserslautern, 8.- 9. September 2021
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