

Veröffentlichungen *Publications*

- Almajid, A.A.; Friedrich, K.; Noll, A.; Gyurova, L.: Characterization of two Poly-Para-Phenylene-Copolymers (PPP) Used for Extrusion and Injection Molding, Part 2: Mechanical Performance. *Plastics, Rubber and Composites* 42,9 (2013), S. 401-406
- Almajid, A.A.; Friedrich, K.; Noll, A.; Gyurova, L.: Poly-Para-Phenylene-Copolymers (PPP) for Extrusion and Injection Molding, Part 1: Molecular and Rheological Differences. *Plastics, Rubber and Composites* 42,3 (2013), S. 123-128
- Arnold, M.; Broser, J.; Becker, D.; Rieber, G.; Mitschang, P.: Einfluss textiler Herstellungsparameter auf den maximalen Scherwinkel von Glasfasergeweben. *Technische Textilien*, Jahrgang 6/2013, Nr. 3, S. 94-96
- Arnold, M.; Broser, J.; Becker, D.; Rieber, G.; Mitschang, P.: Maximum shear angle prediction of glass fiber fabrics. *Technical Textiles*, Jahrgang 4/2013, S. 192-193
- Arnold, M.; Franz, H.; Bobertag, M.; Glück, J.; Wahl, M.; Mitschang, P.: Kapazitive Messtechnik zur RTM Prozessüberwachung. *Lightweight Design*, Jahrgang 1/2013, Nr. 1, S. 50-55
- Arnold, M.; Mitschang, P.: Effizienzsteigerung bei Harzinjektionsverfahren durch eine prozessoptimierte Textilauswahl. *VDI-Konferenz*, Düsseldorf, 22.-23. Mai 2013
- Arnold, M.; Mitschang, P.: Influence of the shearing of textiles on the in-plane permeability. *ICCM19*, Montreal, Kanada, 28. Juli - 2. August 2013
- Arnold, M.; Mitschang, P.: RTM Prozesssimulation. *AVK-Tagung*, Frankfurt, 19. Juni 2013
- Bayerl, T.; Brzeski, M.; Martinez-Tafalla, M.; Schledjewski, R.; Mitschang, P.: Thermal degradation analysis of short-time heated polymers. *Journal of Thermoplastic Composite Materials*, DOI: 10.1177/0892705713486122, 20. Mai 2013
- Bayerl, T.; Duhovic, M.; Mitschang, P.; Bhattacharyya, D.: The Heating of Polymer Composites by Electromagnetic Induction – a Review. *Composites Part A: Applied Science and Manufacturing*, available online 8 November 2013, ISSN 1359-835X, <http://dx.doi.org/10.1016/j.compositesa.2013.10.024>
- Becker, D.; Brzeski, M.; Linster, D.; Mitschang, P.: Preform compaction and deformation during through-the-thickness impregnation. *ICCM19*, Montreal, Kanada, 28. Juli - 2. August 2013
- Becker, D.; Grieser, T.; Arnold, M.; Mitschang, P.: Preform-LCM: Schlüsselemente zur Effizienzsteigerung. *Werkstoffe in der Fertigung*, Ausgabe 6/2013, S. 39-40
- Becker, D.; Mitschang, P.: Application-oriented permeability measurement for LCM-processes. *Interpore 2013*, Prag, Tschechien, 21.-24. Mai 2013
- Becker, D.; Mitschang, P.: Metrological consideration of flow-induced preform compaction during out-of-plane permeability measurement. *Composites Week@Leuven and Tex Comp-11*, Leuven, Belgien, 16.-20. September 2013
- Botelho, E.C.; Costa, M.L.; Braga, C.I.; Burkhart, T.; Lauke, B.: Viscoelastic Behavior of Multiwalled Carbon Nanotubes into Phenolic Resin. *Materials Research*, published online 26. März 2013, DOI: 10.1590/S1516-14392013005000045
- Breuer, U.P.; Schmeer, S.; Eberth, U.: Carbon and Metal Fibre Reinforced Airframe Structures – A New Approach to Composite Multifunctionality. *Deutscher Luft- und Raumfahrtkongress 2013*, Stuttgart, 10.-12. September 2013
- Brzeski, M.; Mitschang, P.: The tendency of thermoplastic composite to lose consolidation during re-melting. *ICCM19*, Montreal, Kanada, 28. Juli - 2. August 2013
- Caldichoury, I.; L'Eplattenier, P.; Duhovic, M.: LS-DYNA R7: Coupled multiphysics analysis involving electromagnetism (EM), incompressible CFD (ICFD) and solid mechanics thermal solver for conjugate heat transfer problem solving. *Proceedings, 9th European LS-DYNA® Users Conference*, Manchester, 2013, Electromagnetic (2)
- Chang, L.; Wang, H.; Ye, L.; Friedrich, K.: Influence of the Orientation of CNTs on the Tribological Performance of Epoxy Nanocomposite. *World Tribology Congress 2013*, Torino, Italien, 8.-13. September 2013
- Christmann, M.; Medina, L.; Mitschang, P.: Multimaterialbauweise in Nutzfahrzeugkabinen. *Innovationen und Potentiale im Leichtbau*, Technische Universität Kaiserslautern, 11. Juni 2013
- Christmann, M.; Medina, L.; Mitschang, P.: Processing of Fiber Reinforced Thermoplastic Composites at IVW. *Carbon Composites Südwest AG: Thermoplaste*, Kaiserslautern, 22. Mai 2013
- Christmann, M.; Mitschang, P.: Development of an on-line analysis method for the thermoplastic impregnation process. *ICCM19*, Montreal, Kanada, 28. Juli - 2. August 2013

- Didi, M.; Emrich, S.; Mitschang, P.; Kopnarski, M.: Characterization of Long-Term Durability of Induction Welded Aluminum/Carbon Fiber Reinforced Polymer-Joints. *Advanced Engineering Materials*, Volume 15, No. 9, S. 821-829, DOI: 10.1002/adem.201200288, September 2013
- Didi, M.; Hümbert, M.; Mitschang, P.: Induktives Schweißen von thermoplastischen Faser-Kunststoff-Verbunden und hybriden Metall/Faser-Kunststoff-Verbunden. *Werkstoffe in der Fertigung*, Jahrgang 4/2013, S. 22-24, ISSN 0939-2629/B 25800
- Duhovic, M.: Erweiterte 3D-Simulation des Induktionsschweißens von kohlenstofffaserverstärkten Verbundwerkstoffen (CFK). *Carbon Composites Magazin, CC Südwest* 2/2013, S. 61-62
- Duhovic, M.; Caldichoury, I.; L'Eplattenier, P.; Mitschang, P.; Maier, M.: Advances in Simulating the Joining of Composite Materials by Electromagnetic Induction. *Proceedings, 9th European LS-DYNA® Users Conference, Manchester, 2013, Electromagnetic (2)*
- Dzalto, J.; Mitschang, P.: Natural Aligned Fibers and Textiles for Structural Applications in the Building Sector. *EIHA, Wesseling*, 23. Mai 2013
- Evstatiev, M.; Simeonova, S.; Friedrich, K.; Pei, X.-Q.; Formanek, P.: MFC Structured Biodegradable Poly(L-lactide)/Poly(butylene adipate-co-terephthalate) Blends with Improved Mechanical and Barrier Properties. *J. MATER. SCI.* vol. 48, no. 18, (2013), S. 6312–6330
- Fejos, M.; Karger-Kocsis, J.; Grishchuk, S.: Effects of Fibre Content and Textile Structure on Dynamic-Mechanical and Shape-Memory Properties of ELO/Flax Biocomposites. *Journal of Reinforced Plastics and Composites*, 32(24) (2013), S. 1879-1886
- Florescu, G.; Wetzel, B.: Gleitlackssysteme verstärkt mit Kern-Schale Nanopartikel. 54. Tribologische Fachtagung 2013, Göttingen, 30. September - 2. Oktober 2013
- Friedrich, K.: Polymers for Low Temperature Tribology, in: *Encyclopedia of Tribology* (eds. Q. Jane Wang and Yip-Wah Chung), Section: Tribology of Polymers (section ed. N. Myshkin). 10.1007/978-0-387-92897-5_825©, Springer Science+Business Media, New York, USA, 2013, S. 2654-2661
- Friedrich, K.; Almajid, A.A.: Manufacturing Aspects of Advanced Polymer Composites for Automotive Applications. *APPL. COMP. MAT.* 20,2 (2013), S. 107-128
- Friedrich, K.; Noll, A.: Gleitelemente aus nanomodifizierten Verbundwerkstoffen. *KONSTRUKTION* 7/8 (2013), IW 14 - IW 16
- Friedrich, K.; Pei, X.-Q.; Almajid, A.A.: Festpartikel-Erosion von kohlenstofffaserverstärkten PEEK Verbundwerkstoffen und möglichen polymeren Schutzschichten. *Tribologie + Schmierungstechnik* 60,2 (2013), S. 5-12
- Friedrich, K.; Pei, X.-Q.; Almajid, A.A.: Specific Erosive Wear Rate of Neat Polymer Films and Various Polymer Composites. *J. REINF. PLASTICS AND COMP.* 32, 9 (2013), S. 631-643
- Grieser, T.; Azizi, S.; Mitschang P.: Influence of textile parameters on the manufacturing of continuously formed preform profiles. *Composites Week@Leuven and Tex Comp-11, Leuven, Belgien*, 16.-20. September 2013
- Grieser, T.; Mitschang P.: Production and analysis of CNT doped CFRPC laminates according to different manufacturing technologies. *Composites Week@Leuven and Tex Comp-11, Leuven, Belgien*, 16.-20. September 2013
- Grieser, T.; Mitschang, P.: Investigation of CNT filtering according to in-plane and out-of-plane LCM injection strategies. *ICCM19, Montreal, Kanada*, 28. Juli - 2. August 2013
- Grishchuk, S.; Bonyár, A.; Elsässer, J.; Karger-Kocsis, J.; Wetzel, B.: Toward reliable morphology assessment of thermosets via physical etching: Vinyl ester resin as example. *eXPRESS POLYMER LETTERS* 7 (2013), S. 407-415
- Grishchuk, S.; Schledjewski, R.: Mechanical Dispersion Methods for Carbon Nanobutes in Aerospace Composite Matrix Systems. In A. Paipetis and V. Kostopoulous (eds.), *Carbon Nanotube Enhanced Aerospace Composite Materials, Solid Mechanics and Its Applications* 188, DOI 10.1007/978-94-007-4246-8_4, Springer Science+Business Media Dordrecht 2013, S. 97-152
- Grishchuk, S.; Soroachynska, L.; Vorster, O.C.; Karger-Kocsis, J.: Structure, Thermal, and Mechanical Properties of DDM-Hardened Epoxy/Benzoxazine Hybrids: Effects of Epoxy Resin Functionality and ETBN Toughening. *Journal of Applied Polymer Science*, Vol. 127, Issue 6, S. 5082-5093

Veröffentlichungen *Publications*

- Gurka, M.: Adaptronik – Multifunktionale Werkstoffe. Studiengang MTS302 Adaptronik, AKAD Bildungsgesellschaft mbH, Stuttgart, 2013
- Gurka, M.; Giertzsch, H.; Pfaff, T.; Hermann, T.: Hochpräzises Bohren von CFK mit UKP-Laserstrahlung. CFK-Workshop 2013, Freudenstadt, 22.-24. Juli 2013
- Gurka, M.; Hübler, M.; Schmeer, S.; Breuer, U.: Load-initiated two-way effect of shape memory alloys in composite structures and a phenomenological modelling approach. Proceedings, ASME Conference on Smart Materials, Adaptive Structures and Intelligent Systems, Vol 1, (2013), S. 219-225
- Hassinger, I.: Multiple extrusion of nanocomposites and their mechanical properties. JEC Europe Composites Show and Conference 2013, Paris, Frankreich, 12.-14. März 2013
- Hassinger, I.; Burkhart, T.; Walter, R.: Optimizing the production of nanocomposites via extrusion techniques using nanoparticle containing dispersions. E-Proceedings ICCM 19, Montreal, Kanada, 28. Juli - 2. August 2013
- Heimbs, S.; Schmeer, S.; Blaurock, J.; Steeger, S.: Static and Dynamic Failure Behavior of Bolted Joints in Carbon Fibre Composites. Composites Part A, Vol. 47, 2013, S. 91-101
- Hildebrandt, K.; Mitschang, P.: Electrically Conductive Organic Sheets for Automotive and Aircraft Industries. JEC, Paris, Frankreich, 12.-14. März 2013
- Hildebrandt, K.; Mitschang, P.; Hebestreit, A.; Niemann, M.; Schuck, M.: CarboCar: Elektrisch leitfähige Organobleche stellen sich den Herausforderungen der Industrie. Inno.CNT Jahreskongress, Fellbach, 20.-21. Februar 2013
- Hildebrandt, K.; Schulte-Hubbert, F.; Mitschang, P.: Influence of textile parameters and laminate build-up on surface quality of thermoplastic fiber-reinforced composites. ICCM19, Montreal, Kanada, 28. Juli - 2. August 2013
- Holschuh, R.; Becker, D.; Dzalto, J.; Mitschang, P.: Load-related locally reinforced hybrid structures. JEC Magazin, Nr. 81, S. 64-68
- Holschuh, R.; Dzalto, J.; Mitschang, P.: Impact of the manufacturing process of locally load-related reinforced composites on the interface behavior. ICCM19, Montreal, Kanada, 28. Juli - 2. August 2013
- Hübler, M.: Aktive SMA-FKV-Hybrid-Verbunde für den aktorischen Einsatz. Halbjahrestreffen der VDI/VDE-Gesellschaft Mess- und Automatisierungstechnik FA 4.16 Unkonventionelle Aktorik, Kaiserslautern, 22. März 2013
- Hübler, M.; Gurka, M.; Breuer, U.: From attached SMA wires to integrated active elements – a small step? 19th International Conference on Composite Materials ICCM, Montreal, Kanada, 28. Juli - 2. August 2013
- Hübler, M.; Gurka, M.; Breuer, U.; Nisse, S.: Actuation of Shape Memory Alloy Wires with Two-Way-Effect and Challenges of Manufacturing Active SMA-FRP-Composites. Intelligent Materials, Kiel, 25.-27. September 2013
- Hübler, M.; Gurka, M.; Schmeer, S.; Breuer, U.: Performance range of SMA actuator wires and SMA-FRP structure in terms of manufacturing, modeling and actuation. Smart Mater. Struct. 22 (2013), doi:10.1088/0964-1726/22/9/094002
- Hübler, M.; Nisse, S.; Gurka, M.; Schmeer, S.; Breuer, U.P.: Smart Crash Management by Switching the Crash Behavior of Fiber Reinforced Plastic (FRP) Energy Absorbers with Shape Memory Alloy (SMA) Wires. Proceedings, ASME 2013 Conference on Smart Materials, Adaptive Structures and Intelligence Systems SMASIS 2013, Snowbird, Utah, USA, 16.-18. September 2013
- Hümbert, M.; Didi, M.; Mitschang, P.: Induction welding methods for thermoplastic composite materials - state-of-the-art, recent developments, future perspective. Automotive Composites, Köln, 2.-4. Dezember 2013
- Hümbert, M.; Didi, M.; Moser, L.; Mitschang, P.: Latest technologies in robot based joining methods for thermoplastic materials - State-of-the-art, recent developments, future perspective. JEC, Paris, Frankreich, 12.-14. März 2013
- Junaedi, H.; Almajid, A.A.; Friedrich, K.: Mechanical Properties and Microstructures of Exfoliated Graphite Nano Platelet Reinforced Thermoplastic Nanocomposites. Proceedings, 9th International Conference on Composite Science and Technology, Sorrento, Italien, 24.-26. April 2013

- Karger-Kocsis, J.; Grishchuk, S.; Sorochynska, L.; Rong, M.Z.: Curing, Gelling, Thermomechanical, and Thermal Decomposition Behaviors of Anhydride-Cured Epoxy (DGEBA)/Epoxydized Soybean Oil Composites. *Polymer Engineering and Science*, online published: 30. Mai 2013, DOI: 10.1002/pen.23605
- Keijzer, E.E.; Stokes, E.; Perremans, D.; Grishchuk, S.; Tjeerdsmma, B.; Heesbeen, C.; Lund, M.N.: Environmental quickscans as a decision supporting tool: Scanning the embodied energy of different fibre treatments in the development of biocomposite building products. *Proceedings, 2nd International Conference on Sustainable Intelligent Manufacturing, SIM 2013, 'Green Design, Materials and Manufacturing Processes'*, Lisbon, Portugal, 26.-29. Juni 2013, S. 113-118, uuid:9500bf8c-3f75-4023-a212-462e9f8f6f56
- Mack, J.; Mitschang, P.: Prepreg Lay-up Technology for Manufacturing of lattice structure fuselage sections. *ICCS17, Porto, Portugal, 18.-20. Juni 2013* und *ICCM19, Montreal, Kanada, 28. Juli - 2. August 2013*
- Magin, M.: FE-Analyse der Ermüdungsschädigung von FKV. *CCeV Ermüdung von Bauteilen aus Faserverbundwerkstoff (FVW)*, Augsburg, 14. Februar 2013
- Magin, M.: Hochleistungs-Faser-Kunststoff-Verbunde zur Metallsubstitution. *Kom-K-Tec Seminar Metallsubstitution, Kaiserslautern, 29. Oktober 2013*
- Marquart, M.; Wahl, M.; Emrich, S.; Zhang, G.; Sauer, B.; Kopnarski, M.; Wetzel, B.: Enhancing the lifetime of MoS₂-lubricated ball bearings. *Wear* 303 (2013), S. 169-177
- Mitschang P.: *Handbuch Faserverbundkunststoffe / Composites – Grundlagen-Verarbeitung-Anwendung*. Springer-Verlag, 4. Auflage, S. 513-525, ISBN 978-3-658-02754-4, Oktober 2013
- Mitschang, P.: Herausforderungen an die Verarbeitung von Composites für Hochleistungsanwendungen. *Eröffnung des Christian Doppler Labors für hocheffiziente Composite Verarbeitung an der Montanuniversität Leoben*, 13. September 2013
- Mitschang, P.: Induktionsschweißen von Faser-Kunststoff-Verbunden und Metall/Faser-Kunststoff-Verbunden. *4a TT13 „Leichtbau-Wettbewerb der Materialien, Schladming, Österreich, 26.-28. Februar 2013*
- Mitschang, P.; Becker, D.; Hildebrandt, K.; Mack, J.: Potenziale neuer Matrixpolymere für die FKV-Bauteilfertigung im Automobilbau. *CCeV Automotive Forum 2013, Dresden, 26.-27. Juni 2013*
- Mitschang, P.; Emrich, S.: Einfluss der Oberflächen auf geschweißte Metall/Faser-Kunststoff-Verbunde. *22. Leobener Kunststoffkolloquium, Leoben, Österreich, 14.-15. November 2013*
- Mitschang, P.; Hümbert, M.; Moser, L.: Susceptorless continuous induction welding of carbon fiber reinforced thermoplastics. *ICCM19, Montreal, Kanada, 28. Juli - 2. August 2013*
- Mitschang, P.; Rieber, G.; Hildebrandt, K.: Verarbeitung von CNTs bei Faser-Kunststoff-Verbunden. *Inno.CNT Jahreskongress, Fellbach, 20.-21. Februar 2013*
- Mitschang, P.; Schledjewski, R.; Schlarb, A.K.: *Molds for Continuous Fibre Reinforced Polymer Composites. Mold-Making Handbook, 3rd Edition, Carl-Hanser-Verlag, S. 200-240, ISBN 978-1-56990-446-6, Oktober 2013*
- Mitschang, P.; Velthuis, R.; Didi, M.: Induction Spot Welding of Metal/CFRPC Hybrid Joints. *Advanced Engineering Materials, Volume 15, No. 9, S. 804-813, DOI: 10.1002/adem.201200273, September 2013*
- Muhammed, A.K.; Mitschang, P.; Schledjewski, R.: Parametric study on processing parameters and resulting part quality through thermoplastic tape placement process. *Journal of Composite Materials, Jahrgang 4/2013, Nr. 47, S. 485-499*
- Noll, A.; Friedrich, K.; Burkhart, T.; Breuer U.: Effective multifunctionality of poly(p-phenylene sulfide) nanocomposites filled with different amounts of carbon nanotubes, graphite, and short carbon fibers. *Polymer Composites 2013, published online 5. März 2013, DOI: 10.1002/pc.22427*
- Pfeiffer, N.: Tailor-made graphite free epoxy nanocomposites. *Eurofiller-Conference, Bratislava, Slowakei, 25.-29. August 2013*
- Pfeiffer, N.; Burkhart, T.: Das tribologische Verhalten von maßgeschneiderten graphitfreien EP-Nanokompositen. *Tribologie + Schmierungstechnik, 60. Jahrgang, 2/2013, S. 18-22*
- Rieber, G.; Jiang, J.; Deter, C.; Mitschang, P.; Chen, N.: Influence of textile parameters on the in-plane permeability. *Composites Part A, Volume 52, S. 89-98, September 2013*

Veröffentlichungen *Publications*

- Schmeer, S.; Balle, F.; Hannemann, B.; Wagner, G.; Maier, M.; Eifler, D.: Experimental and computational analysis of ultrasonically multi-spot welded hybrid Al/CFRP-structures on component level. TMS (The Minerals, Metal & Materials Society) 2013, 142nd annual meeting and exhibition, San Antonio, Texas, USA, 3.-7. März 2013
- Schmeer, S.; Balle, F.; Didi, M.; Huxhold, S.; Wagner, G.; Mitschang, P.; Maier, M.: Experimental and Computational Analysis of Multi-Spot Welded Hybrid Al/CFRP-Structures on Component Level. *Advanced Engineering Materials*, Volume 15, No. 9, S. 868-873, DOI: 10.1002/adem.201300044, September 2013
- Schmeer, S.; Balle, F.; Didi, M.; Wagner, G.; Maier, M.; Mitschang, P.: Experimental and Numerical Characterization of Spot Welded Hybrid Al/CFRP-Joints on Coupon Level. *Advanced Engineering Materials*, Volume 15, No. 9, S. 853-860, DOI: 10.1002/adem.201300047, September 2013
- Sebastian, R.; Noll, A.; Zhang, G.; Burkhart, T.; Wetzel, B.: Friction and wear of PPS/CNT nanocomposites with formation of electrically isolating transfer films. JEC Europe Composites Show and Conference 2013, Paris, Frankreich, 12.-14. März 2013
- Sebastian, R.; Noll, A.; Zhang, G.; Burkhart, T.; Wetzel, B.: Friction and wear of PPS/CNT nanocomposites with formation of electrically isolating transfer films. *Tribology International*, vol. 64 (2013), S. 187-195
- Shen, X.-J.; Pei, X.-Q.; Fu, S.-Y.; Friedrich, K.: Significantly Modified Tribological Performance of Epoxy Composites at Low Graphene Oxide Content. *POLYMER* 54 (2013), S. 1234-1242
- Siengchin, S.; Pohl, T.; Medina, L.; Mitschang, P.: Structure and Mechanical Behaviour of Polylactide (PLA) Flax/Alumina Nanocomposites. *Journal of Reinforced Plastics and Composites*, Jahrgang 2013, Nr. 1, S. 23-33
- Sorochnyńska, L.; Almajid, A.A.; Friedrich, K.; Wetzel, B.: CNT-Graphen-Komposite: Mechanische Eigenschaften und elektrische Leitfähigkeit. Fachtagung „Graphen“, Erlangen, 27.-28. November 2013
- Sorochnyńska, L.; Motsch, N.; Magin, M.: Thermoplast-Duroplast Verbindungen – Einfluss der Funktionsschicht auf mechanische Eigenschaften. 3. DGM-Fachausschuss „Hybride Werkstoffe und Strukturen“, Kaiserslautern, 9. Oktober 2013
- Tabassum, M.; Ye, L.; Chang, L.; Friedrich, K.: Mode-I Fracture Behavior of a Shear Thickening Fluid as Adhesive Layer under Different Loading Rates. Proceedings, 13th International Conference on Fracture, Beijing, China, 16.-21. Juni 2013
- Tang, Y.; Ye, L.; Zhang, Z.; Friedrich, K.: Interlaminar Fracture Toughness and CAI Strength of Fibre-Reinforced Composites with Nanoparticles – A Review. *Composites Science and Technology* 86 (2013), S. 26-37
- Villegas, I.; Moser, L.; Yousefpour, A.; Bersee, H.; Mitschang, P.: Process and Performance Evaluation of Ultrasonic, Induction and resistance welding of advanced Thermoplastic Composites. *Journal of Thermoplastic Composite Materials*, Volume 26, No. 8, ISSN 0892-7057
- Walter, R.; Becker, T.; Gurka, M.; Wetzel, B.: Effiziente Herstellung und Charakterisierung von tribologisch modifizierten Folien. Tribologische Fachtagung 2013, Göttingen, 30. September - 2. Oktober 2013
- Wirjadi, O.; Godehardt, M.; Schladitz, K.; Wagner, B.; Rack, A.; Gurka, M.; Nisse, S.; Noll, A.: Detection of layered structures in fiber reinforced polymer employing synchrotron and laboratory X-ray CT. European Congress and Exhibition on Advanced Materials and Processes, EUROMAT 2013, Sevilla, Spanien, 8.-13. September 2013
- Zhang, G.; Burkhart, T.; Wetzel, B.: Tribological behavior of epoxy composites under diesel-lubricated conditions. *Wear* 307 (2013), S. 174-181
- Zhou, L.-Y.; Zhang, H.; Pei, X.-Q.; Friedrich, K.; Eger, C.; Zhang, Z.: Erosive Wear of Transparent Nanocomposite Coatings. *TRIBOL. INT.* 61 (2013), S. 62-69