

Veröffentlichungen *Publications*

- Alexopoulos, N.; Tapeinos, I.G.; Miaris, A.; Marioli-Riga, Z.; Mitschang, P.: A Methodology to Calculate Manufacturing Costs of Innovative Carbon Nanotube-Based Polymer Composites. Proceedings, 15th European Conference on Composite Materials, ECCM, Venedig, Italien, 24.-28. Juni 2012
- Almajid, A.A.; Friedrich, K.: Rolling Contact Fatigue of Various Unfilled and Fiber Reinforced Polymers. Proceedings, Int. Conf. Times of Polymers, TOP 2012, Ischia, Italien, Juni 2012. Published in: AIP Conf. Proceedings 1459 (2012), S. 303-305; doi: 10.1063/1.4738477
- Arnold, M.; Duhovic, M.; Cojutti, M.; Wahl, M.; Mitschang, P.: RTM Filling Simulation with PAM-RTM Based on Reliable Permeability Measurement. ESI DACH Anwenderforum, Fulda, 10.-11. Dezember 2012
- Arnold, M.; Rieber, G.; Broser, J.; Möbius, T.; Wahl, M.; Mitschang, P.: Permeability of sheared reinforced textiles. International Textile Conference, Dresden, 29.-30. November 2012
- Arnold, M.; Rieber, G.; Mitschang, P.: LCM process simulation based on reliable permeability measurement. ECCOMAS 2012, Wien, Österreich, 10.-14. September 2012
- Arnold, M.; Rieber, G.; Mitschang, P.: Permeabilität als Schlüsselparameter für kurze Zykluszeiten. Kunststoffe 3/2012, S. 45-48
- Arnold, M.; Rieber, G.; Mitschang, P.: Permeability as the Key Parameter for Short Cycle Times. Kunststoffe International 3/2012, S. 25-28
- Arnold, M.; Rieber, G.; Wahl, M.; Mitschang, P.: Comparison between the Numerical Simulation Program PAM-RTM and RTM-Measurements on a Flat Plate. Proceedings, FPCM11 Conference, Auckland, Neuseeland, 9.-12. Juli 2012, S. 145-154
- Bayerl, T.; Benedito Borrás, A.; Gallego, J.-I.; Galiana, B.; Mitschang, P.: Melting of Polymer-Polymer Composites by Particulate Heating Promoters and Electromagnetic Radiation. Synthetic Polymer-Polymer Composites, ISBN 978-156-990-5104, S. 39-64
- Bayerl, T.; Morgan, L.; Lowe, D.; Prestin, D.; Frias, C.; Hare, C.; Mallah, M.; Mitschang, P.: Novel Heating and Processing for Thermoplastic. Proceedings, Innovative Composites Summit, Paris, Frankreich, 27.-29. März 2012
- Bayerl, T.; Valchev, H.; Natter, E.; Mitschang, P.: Processing of Long-Polymer-Fiber-Reinforced Thermoplastic Pellets by Compression Molding. Proceedings, FPCM11 Conference, Auckland, Neuseeland, 9.-12. Juli 2012, S. 311-318
- Becker, D.; Arnold, M.; Grieser, T.; Rieber, G.; Mitschang, P.: Cutting Edge Developments for RTM: Preforming, Draping, Injection. IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Benedito, A.; Galindo, B.; Hare, C.; Bayerl, T.; Mitschang, P.: Selective Heating Applications for the Processing of Polymer-Polymer Materials. Proceedings, 15th European Conference on Composite Materials, ECCM, Venedig, Italien, 24.-28. Juni 2012
- Bittmann, B.; Hauptert, F.; Schlarb, A.K.: Preparation of TiO₂ Epoxy Nanocomposites by Ultrasonic Dispersion and Resulting Properties. Journal of Applied Polymer Science 124 (2012), S. 1906-1911
- Breuer, U.: Multifunctional Composites. Proceedings, EADS Composite Days 2012, Getafe, Spanien, 14.-15. November 2012
- Breuer, U.; Mitschang, P.: Thermoplastische Hochleistungsverbundwerkstoffe - Verfahren und Neuentwicklungen am IVW. Proceedings, Tooling für die CFK-Produktion, Workshop Airbus, Bremen, 12. Oktober 2012
- Breuer, U.: Composites in Modern Aircraft - Challenges and New Approaches. Proceedings, Internationale AVK-Tagung, Düsseldorf, 8.-9. Oktober 2012
- Brzeski, M.; Mitschang, P.: New Approach to Manufacture Thermoplastic Composites Using In-situ Impregnation Tape Placement Process. SAMPE Tech Conference, Charleston, USA, 22.-25. Oktober 2012
- Burkhart, T.; Priebe, M.: Cost Efficient Manufacturing for Large Series FRPC Production. Proceedings, IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Burkhart, T.; Zhang, G.; Pfeiffer, N.: Roles of monodispersed nanoparticles on the tribological behavior of epoxy composites. JEC 2012, Paris, Frankreich, 27.-29. März 2012
- Chang, L.; Friedrich, K.; Noll, A.; Ye, L.: On Transfer Film Efficiency during Sliding Friction and Wear of Epoxy Nanocomposites against Steel. ACUN-6, Melbourne, Australien, 14.-16. November 2012

- Chow, W.S.; Grishchuk, S.; Burkhart, T.; Karger-Kocsis, J.: Gelling and curing behaviors of benzoxazine/epoxy formulations containing 4,4-thiodiphenol accelerator. *Thermochimica Acta* 543, 2012, S. 172-177
- Christmann, M.; Didi, M.; Holschuh, R.; Mitschang, P.: Entwicklung von Leichtbauteilen in Multimaterialbauweise für die Nutzfahrzeugindustrie. Tagungsband, 2. CVT Symposium 2012, Kaiserslautern, 13.-15. März 2012, S. 210-218
- Christmann, M.; Holschuh, R.; Mitschang, P.: Großserientaugliche Herstellverfahren für faserverstärkte thermoplastische Bauteile in strukturellen Anwendungen. Fachtagung CCEv, Augsburg, 7. September 2012
- Christmann, M.; Mitschang, P.: Continuous Fiber Reinforced Thermoplastic Profiles. *Manufacturing Techniques of Polymer Matrix Composites (PMC)*, 2012, S. 209-249
- Christmann, M.; Mitschang, P.: Influence of Inhomogeneous Temperature Distributions on the Impregnation Speed of Continuous Fiber Reinforced Thermoplastics. Academic Summit Workshop, Kaiserslautern, 2.-3. Juli 2012
- Christmann, M.; Mitschang, P.: Innovative Temperature Distribution Influences the Impregnation Quality. *Proceedings, 15th European Conference on Composite Materials, ECCM*, Venedig, Italien, 24.-28. Juni 2012
- Christmann, M.; Young, K.Y.; Jung, G.; Kim, H.; Mitschang, P.: Cost Efficient Production of Composite Parts for Structural Applications in Car Body Manufacturing. *Materialien des Karosseriebaus 2012*, Bad Nauheim, 10.-11. Mai 2012
- Didi, M.; Mitschang, P.: Advanced Joining of Hybrid Structures by Inductive Spot Welding. *IVW Kolloquium*, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Duhovic, M.; Moser, L.; Mitschang, P.; Maier, M.; Caldichoury, I.; L'Eplattenier, P.: Simulating the Joining of Composite Materials by Electromagnetic Induction. *Proceedings, 12th International LS-DYNA® Users Conference, Detroit, USA, 2012, Electromagnetic (2)*
- Duhovic, M.; Fakirov, S.; Holschuh, R.; Mitschang, P.; Bhattacharyya, D.: Chapter 19: Micro- and Nanofibrillar Single Polymer Composites. In: Bhattacharyya, D. and Fakirov, S., Editors, *Synthetic Polymer-Polymer Composites*. Carl Hanser Verlag, München, 2012
- Englert, M.; Bittmann, B.; Hauptert, F.; Schlarb, A.K.: Scaling-up of the Dispersion Process of Nanoparticle-Agglomerates in Epoxy Resin with an Innovative Continuous Ultrasonic Flow-Through-Cell Dispersion System. *Polymer Engineering and Science* 52 (2012), S. 102-107
- Friedrich, K.; Almajid, A.A.; Chang, L.: *Modern Polymer Composites for Friction and Wear Applications*, (Ukraine). *Polymer Journal* 2 (2012), S. 108-119
- Friedrich, K.; Hoffmann, J.; Almajid, A.A.; Evstatiev, M.: Polylactide Based Bio-Resorbable Bone Nails: Improvements of Strength and Stiffness by Microfibrillar Reinforcement. In: D. Bhattacharyya, S. Fakirov (eds.): *Synthetic Polymer-Polymer Composites*, Hanser Publ., Cincinnati, USA, 2012, Chapter 18, S. 627-640, ISBN 978-1-56990-510-4
- Friedrich, K.; Knör, N.; Almajid, A.A.: Processing-Structure-Property Relationships of Thermoplastic Nano-Composites Used in Friction and Wear Applications (as Russian Translation), *MEKHANIKA KOMPOZITNYKH MATERIALOV* 48/2 (2012), S. 261-278
- Friedrich, K.; Knör, N.; Almajid, A.A.: Processing-Structure-Property Relationships of Thermoplastic Nano-Composites Used in Friction and Wear Applications. *Proceedings, XVII Int. Conf. on Mechanics of Composite Materials*, 28. Mai – 1. Juni 2012, Riga, Lettland, published in: *MECH. COMP. MAT.* 48/2 (2012), S. 179-192
- Friedrich, K.; Pei, X.: Solid Particle Erosion of Carbon Fiber Reinforced PEEK Composites and Corresponding Protection Methods. *Tribologie Fachtagung 2012*, Göttingen, 24.-26. September 2012
- Friedrich, K.; Pei, X.Q.; Almajid, A.A.: Solid Particle Erosion of Carbon Fiber Reinforced PEEK Composites and Corresponding Protection Methods. *Proceedings, 53. GfT Conference*, Göttingen, September 2012, Vol. 2, S. 39/1-39/13
- Grebel, K.: Cost-Effective Manufacturing of Composites by Direct Impregnation Technology. *IVW Kolloquium*, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Grieser, T.; Mitschang, P.: Institut für Verbundwerkstoffe entwickelt Preforminganlage für die großserientaugliche Herstellung vernähter FKV-Profile. *CCEv News*, 12/2012, S. 16-17

Veröffentlichungen Publications

- Grieser, T.; Rieber, G.; Mitschang, P.: Production of Continuously Formed High Performance Preforms for FRPC Profiles. Proceedings, 15th European Conference on Composite Materials, ECCM, Venedig, Italien, 24.-28. Juni 2012
- Grishchuk, S.; Castellà, N.; Apostolov, A.A.; Karger-Kocsis, J.: Structure and Properties of Vinyl Ester Resins Modified with Organophilic Synthetic Layered Silicates Bearing Non- and Co-reactive Intercalants. *Journal of Composite Materials* 46(8) (2012), S. 941-947
- Grishchuk, S.; Gryshchuk, O.; Weber, M.; Karger-Kocsis, J.: Structure and toughness of polyethersulfone (PESU)-modified anhydride-cured tetrafunctional epoxy resin: Effect of PESU molecular mass. *Journal of Applied Polymer Science* 123 (2012), S. 1193-1200
- Grishchuk, S.; Karger-Kocsis, J.: Modification of vinyl ester and vinyl ester-urethane resin-based bulk molding compounds (BMC) with acrylated epoxidised soybean and linseed oils. *Journal of Material Science* 47 (2012), S. 3391-3399
- Grishchuk, S.; Schledjewski, R.: Mechanical Dispersion Methods for Carbon Nanotubes in Aerospace Composite Matrix Systems. In A. Paipetis and V. Kostopoulos (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.; Schmitt, S.; Vorster, O.C.; Karger-Kocsis, J.: Structure and Properties of Amine-Hardened Epoxy/Benzoxazine Hybrids: Effect of Epoxy Resin Functionality. *Journal of Applied Polymer Science* 124 (2012), S. 2824-2837
- Grishchuk, S.; Sorochnytska, L.; Karger-Kocsis, J.: Effects of accelerator and components ratio on the curing process of benzoxazine/epoxy hybrids. VI Open Ukrainian conference of young scientists on polymer science VMS-2012, Kiev, Ukraine, 15.-18. Oktober 2012, book of abstracts, S. 134
- Grishchuk, S.; Sorochnytska, 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* (2012), published online: 21. Juni 2012, DOI: 10.1002/app.38123
- Gurka, M.: Shape Memory Alloys as Actuating Elements in Fiber Reinforced Structures – from Smart Materials to Components. Academic Summit Workshop, Institut für Verbundwerkstoffe GmbH, Kaiserslautern, 2.-3. Juli 2012
- Gurka, M.: Werkstoffanalytik an CFK zur Detektion von Schädigungen – Möglichkeiten und Limitierungen. CFK-Workshop 2012, ISFW – Institut für Strahlenwerkzeuge, Universität Stuttgart, 16. Juli 2012
- Gurka, M.; Hübler, M.: Smart Composite Shape Control. IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Gurka, M.; Hübler, M.; Breuer, U.: Smart Structures - vom Funktionswerkstoff zum einfach schaltbaren Faserverbundbauteil. 2. Commercial Vehicle Technology Symposium Kaiserslautern, 13.-15. März 2012
- Gurka, M.; Hübler, M.; Schmeer, S.; Breuer, U.: Load-initiated tow-way effect of shape memory alloys in composite structures and a phenomenological modelling approach. ASME 2012 Conference on Smart Materials, Adaptive Structures and Intelligent Systems SMASIS 2012, Stone Mountain, Georgia, USA, 19.-21. September 2012
- Gurka, M.; Hübler, M.; Schmeer, S.; Breuer, U.: Shape Memory Alloys as Actuating Elements in Fiber Reinforced Structures – from Smart Materials to Components. ACTUATOR 12 International Conference and Exhibition on New Actuators and Drive Systems, Bremen, 18.-20. Juni 2012
- Gurka, M.; Hübler, M.; Schmeer, S.; Breuer, U.: Switchable Fiber Reinforced Structures – from Smart Materials to Components. 15th European Conference on Composite Materials (ECCM 15), Venedig, Italien, 24.-28. Juni 2012
- Hassinger, I.; Burkhart, T.: Production of nanocomposites via extrusion techniques using nanoparticle containing dispersions and their mechanical properties. 15th European Conference on Composite Materials (ECCM 15), Venedig, Italien, 24.-28. Juni 2012
- Hassinger, I.: Mechanical and Optical Characterization of Thermoplastic Nanocomposites. Academic Summit Workshop, Institut für Verbundwerkstoffe GmbH, Kaiserslautern, 2.-3. Juli 2012

- Hassinger, I.; Burkhart, T.: Multiple extrusion and dilution of nanocomposites and their effect on the mechanical properties. *Journal of Thermoplastic Composite Materials* 25 (5), (2012), S. 573-590
- Hassinger, I.; Burkhart, T.: Rheological Investigation of Polyamide 6 TiO₂- and BaSO₄-Nanocomposites. *Journal of Applied Polymer Science*, published online: 14. August 2012, DOI: 10.1002/app.38412
- Helfrich, B.: Innovative Composite Bicycle Clamping Systems. Proceedings, IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Hildebrandt, K.; Mitschang, P.: Polymer and Composite Moulding Technologies for Automotive Applications. *Advanced materials in automotive engineering*, Woodhead Publishing Limited, 2012, ISBN 978-184-569-5613, S. 210-229
- Hildebrandt, K.; Rieber, G.; Mitschang, P.: Verarbeitung von CNT's bei Faser-Kunststoff-Verbunden. Proceedings, 15th European Conference on Composite Materials, ECCM, Venedig, Italien, 24.-28. Juni 2012
- Hildebrandt, K.; Schommer, D.; Mitschang, P.: Development of a Unit Cell Model to Simulate the Surface during the Thermoforming Process. Proceedings, 15th European Conference on Composite Materials, ECCM, Venedig, Italien, 24.-28. Juni 2012
- Himmel, N.: Stitched Preforms, NCF. In: Nicolais, Luigi, Borzacchiello, Assunta (Eds.), *Encyclopedia of Composites*, 2nd Edition, Hoboken, New Jersey, USA (John Wiley & Sons), 2012, ISBN (printed set) 978-0-470-12828-2
- Holschuh, R.; Becker, D.; Mitschang, P.: Cost competitiveness of hybrid structures based on thermoplastic in-situ tape-placement process. SAMPE Tech Conference, Charleston, USA, 22.-25. Oktober 2012
- Holschuh, R.; Becker, D.; Mitschang, P.: Verfahrenskombination für mehr Wirtschaftlichkeit des FKV-Einsatzes im Automobilbau durch effiziente Verfahrenskombination. *Lightweight Design*, 4/2012, S. 14-19
- Holschuh, R.; Duhovic, M.; Fakirov, S.; Bhattacharyya, D.; Mitschang, P.: Micro- and Nanofibrillar Single Polymer Composites. *Synthetic polymer-polymer composites*, 2012, ISBN 978-156-990-65-5104, S. 643-667
- Holschuh, R.; Mitschang, P.: Continuous Compression Molding Process for Production of Transport Infrastructures. CECOM, Krakau, Polen, 21.-23. November 2012
- Holschuh, R.; Mitschang, P.: Innovatives Fertigungskonzept zur Herstellung lokaler lastgerecht verstärkter FKV-Bauteile. *CCeV News*, 12/2012, S. 18-19
- Mack, J.; Schledjewski, R.: Filament winding process in thermoplastics. *Manufacturing Techniques of Polymer Matrix Composites (PMC)*, ISBN 978-857-09-0676, S. 182-208
- Magin, M.: Metallsubstitution mit Faser-Kunststoff-Verbunden - Berechnung und Konstruktion. Kom-K-Tec Seminar Metallsubstitution, Kaiserslautern, 14. Oktober 2012
- Magin, M.; Motsch, N.; Schmidt, H.; Heß, H.: Experimental characterization and unit cell modeling of structurally stitched NCF laminates. *Academic Summit 2012*, Kaiserslautern, 2.-3. Juli 2012
- Magin, M.; Motsch, N.; Schmidt, H.; Heß, H.: Structurally stitched NCF laminates. *FACC Technical Colloquium 2012*, Salzburg, Österreich, 5.-6. Juli 2012
- Maurer, D.; Khan, A.; Mitschang, P.; Schledjewski, R.: Simulation of the thermoplastic tape placement process. *Tagungsband, 4th EUCOMAS*, Hamburg, 7.-8. Februar 2012, CD-ROM
- Medina, L.: Natural Fiber Reinforced Composites – Standard Materials, Applications, and New Trends. *Academic Summit Workshop*, Institut für Verbundwerkstoffe GmbH, Kaiserslautern, 2.-3. Juli 2012
- Medina, L.; Mitschang, P.: Natural Fiber Reinforced Composites – Key Chances and Advanced Solutions. *IVW Kolloquium*, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Mitschang, P.: Manufacturing of Thermoplastic Fiber-Reinforced Plastic. *Encyclopedia of Composites*, 2nd Edition, 2012, ISBN 978-047-012-8282
- Mitschang, P.: Neue Entwicklungen bei der Verarbeitung von Faser-Kunststoff-Verbunden. *8. Composites in Automotive and Aerospace*, München, 25. Oktober 2012
- Mitschang, P.: Technology Transfer: From Research to Application. *FPCM-11, Industry Day*, Auckland, Neuseeland, 9.-12. Juli 2012

Veröffentlichungen *Publications*

- Mitschang, P.: Varioterme Werkzeugtemperierung verkürzt die Zykluszeiten in der Produktion. Maschinenmarkt, Oktober 2012, S. 7
- Mitschang, P.: Zyklusverkürzung bei der Verarbeitung von FKV durch den Einsatz variothermer Werkzeuge. CCEV, Augsburg, 22. November 2012
- Mitschang, P.; Glawe, M.; Kreutz, D.; Rieber, G.; Becker, D.: Influence of Textile Parameters on the Through-the-Thickness Permeability of Woven Textiles. Proceedings, FPCM11 Conference, Auckland, Neuseeland, 9.-12. Juli 2012, S. 37-45
- Mitschang, P.; Rieber, G.; Hildebrandt, K.: Verarbeitung von CNTs bei Faser-Kunststoff-Verbunden. Inno.CNT Jahrestagung, Bayreuth, 30. Januar - 1. Februar 2012
- Motsch, N.: Out-of-plane Strength and Fracture Toughness Improvement of Highly Loaded NCF Airframe Structures. IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Noll, A.: Effective Multifunctionality of Poly(p-Phenylene Sulphide) Nanocomposites Filled with Different Amounts of Carbon Nanotubes, Graphite and Short Carbon Fibers. Academic Summit Workshop, Institut für Verbundwerkstoffe GmbH, Kaiserslautern, 2.-3. Juli 2012
- Noll, A.: Effektive Multifunktionalität von monomodal, bimodal und multimodal mit Kohlenstoff-Nanoröhren, Graphit und kurzen Kohlenstoffasern gefülltem Polyphenylensulfid. IVW-Schriftenreihe Band 98, Prof. Dr.-Ing. Ulf Breuer (Hrsg.), Kaiserslautern, 2012, ISBN 978-3-934930-94-0, zugl. Diss. TU Kaiserslautern, FB Maschinenbau und Verfahrenstechnik, 2012
- Noll, A.; Burkhart, T.; Breuer, U.; Friedrich, K.: Electrical and Mechanical Properties of Short Carbon Fiber and Multi-Walled Carbon Nanotube Reinforced Poly(p-phenylene sulfide). JEC 2012, Paris, Frankreich, 27.-29. März 2012
- Noll, A.; Friedrich, K.: Mechanical, Electrical and Tribological Behavior of Multiple Filler Reinforced PPS-Nanocomposites. ACUN-6, Melbourne, Australien, 14.-16. November 2012
- 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. International Conference on Times of Polymers, TOP 2012, Ischia, Italien, Juni 2012.
- Published in: AIP Conference Proceedings 1459 (2012), S. 142-144; doi: 10.1063/1.4738424.
- Noll, A.; Walter, R.; Burkhart, T.: Herstellung und tribologische Eigenschaften elektrisch leitfähiger Tribowerkstoffe auf der Basis von Polyphenylensulfid. Tribologie Fachtagung 2012, Göttingen, 24.-26. September 2012
- Pei, X.-Q.; Friedrich, K.: Erosive Wear Properties of Unidirectional Carbon Fibers Reinforced PEEK Composites. TRIBOLOGY INT. 55 (2012), S. 135-140
- Pei, X.-Q.; Friedrich, K.: Sliding Wear Properties of PEEK, PBI and PPP. WEAR 274-275 (2012), S. 452-455
- Pfeiffer, N.; Burkhart, T.: Das tribologische Verhalten von maßgeschneiderten graphitfreien EP-Nanokompositen. Tribologie Fachtagung 2012, Göttingen, 24.-26. September 2012
- Rasheva, Z.: High Performance Tribo-Coatings for Combustion Engine Pistons. IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Rieber, G.; Jiang, J.; Deter, C.; Chen, N.; Mitschang, P.: Influence of Textile Parameters on the In-Plane Permeability of Woven Textiles. Proceedings, FPCM11 Conference, Auckland, Neuseeland, 9.-12. Juli 2012, S. 26-36
- Rieber, G.; Jiang, J.; Deter, C.; Kreutz, D.; Glawe, M.; Chen, N.; Mitschang, P.: Influence of Textile Parameters on the Permeability of Reinforcement Textiles. Proceedings, 15th European Conference on Composite Materials, ECCM, Venedig, Italien, 24.-28. Juni 2012
- Schmeer, S.; Voll, N.; Hannemann, B.; Breuer, U.: New Composite Hybrid Structures for Advanced Multifunctionality. IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM
- Schmeer, S.; Voll, N.; Maier, M.: Improved Mechanical Properties of Fiber-Reinforced Plastics. JEC Paris, Frankreich, 27.-29. März 2012
- Schuster, J.; Duhovic, M.; Bhattacharyya, D.: Chapter 1: Manufacturing and Processing of Polymer Composites. In: Bhattacharyya, D. and Fakirov, S., Editors, Synthetic Polymer Composites. Carl Hanser Verlag, München, 2012
- Sebastian, R.: Nano-Functionalized Composite Bearings for High-End Applications. IVW Kolloquium, Kaiserslautern, 6.-7. November 2012, CD-ROM