

7. LITERATURVERZEICHNIS

- [1] D. A. Mann, *Plasma Modifizierung von Kunststoffoberflächen zur Haftfestigkeitssteigerung von Metallschichten*, IPA-IAO Forschung und Praxis, Band 189, Springer-Verlag Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1994.
- [2] P. Munzert, *Entwicklung von PVD-Beschichtungsprozessen für die Entspiegelung von transparenten Thermoplasten*, Dissertation an der Martin-Luther-Universität Halle-Wittenberg, 2004.
- [3] H. Wilfried, K. K. - Heinz, G. Kreul, *Europäische Patentanmeldung - EP 0769371A2-Metallisierte Polyolefinfolie*, 1996.
- [4] P. Crimman, *Grenzflächenmodifizierung und -Analyse im Polypropylen-Kupfer-Verbund*, Dissertation an der Martin-Luther-Universität Halle-Wittenberg, 2003.
- [5] K. Heymann et al., *Kunststoff-Metallisierung Handbuch für Theorie und Praxis*, Eugen G. Leuze Verlag D-7968 Saulgauwürtte, 1991.
- [6] C. Bischof, *Mat.-Wiss. und Werkstofftech.*, 24, 33-412, 1993.
- [7] C. Bischof, A. Bauer, W. Possart, R. Kapelle, R. D. Schulze, *Acta Polymerica*, 40, Nr. 3, 1989.
- [8] E. Dayss, *Grenzflächenanalyse am Polymer-Metall-Verbund*, Dissertation an der Martin-Luther-Universität Halle-Wittenberg, 1998.
- [9] M. R. Wertheimer, A. C. Fozza, A. Holländer, *Nuclear instruments and Methods in Physics Research B* 151, 65-75, 1999.
- [10] L.-H. Lee, *J. Adhesion*, Vol. 46 (1-4), p. 15-38, 1994.
- [11] K. L. Mittal, *Adhesion measurements of films and coatings*, VSP Utrecht, The Netherlands, p.1-13, 1995.
- [12] A. A. Volinsky, N. R. Moody, W. W. Gerberich, *Acta Materialia*, 50, p. 441-466, 2002.
- [13] R. A. Haefer, *Oberflächen- und Dünnschicht-Technologie*, Werkstoff-Forschung und Technik 5, Springer Verlag, p.19-21, 1987.
- [14] D. M. Mattox, *Interface formation and the adhesion of the deposited thin films*, Albuquerque, New Mexico, USA: Sandia Corporation Monograph R65 852, p. 1-20, 1965.
- [15] K. L. Mittal, A. Pizzi, *Adhesion Promotion Techniques. Technological Applications*, Marcel Dekker, Inc. New York Basel, p. 3, 1999.
- [16] H. Sauer, *Untersuchung zur Haftung von Metallschichten auf Kunststoffen*, Dissertation an der Universitäts-Gesamthochschule-Siegen, 1999.
- [17] K. L. Mittal, A. Pizzi, *Adhesion Promotion Techniques Technological Applications*, Marcel Dekker Inc. New York-Basel, p. 1-25, 1999.
- [18] K. Grundke, H. -J. Jacobasch, F. Simon, S. Schneider, Ed. K. L. Mittal, *Polymer Surface modifications relevance to Adhesion*, VSP Utrecht, The Netherlands, p. 431-454, 1995.
- [19] J. Schultz, M. Nardin, *Adhesion Promotion Technique Technological applications (Ed. By K. L. Mittal, A. Pizzi)*, Marcel Dekker, Inc., New York, p. 1-27, 1999.
- [20] M. Menningen, „*Untersuchungen zur Haftfesten Metallisierung kohlenstoffaserversärkter Kunststoffe*“, Dissertation an der Universität-Gesamthochschule-Siegen, 1995.
- [21] H. Meyer, *Galvanotechnik*, Nr. 1, p.67-86, 1995.
- [22] A. K. Chakraborty, H. T. Davis, M. Tirell., *J. Polym. Sci. A Polym. Chem.*, 28, 3185, 1990.
- [23] R. W. Burger, L. J. Gerenser, *Metallized Plastics 3: Fundamental and Applied Aspects*, Ed. By K. L. Mittal, Plenum Press, New York, 1992.
- [24] U. Shultz, P. Munzert, N. Kaiser, *Surface and coatings technology*, 142-144, 507-511, 2001.

- [25] J. F. Friedrich, W. E. S. Unger, A. Lippitz, R. Giebler, I. Koprinarov, S. Weidmer, G. Kühn, *Polymer surface modification: Relevance to Adhesion*-Vol. 2, 137-171, Ed. K. L. Mittal, 2000.
- [26] Y. Travaly, P. Bertrand, G. M. Rigranse, *J. Adhesion*, Vol. 66, 339-355, 1998.
- [27] J. Friedrich, I. Loeschke, J. Gähde, *Acta polymerica*, 37, Nr. 11-12, 1986.
- [28] J. Friedrich, H. Wittrich, J. Gähde, *Acta Polymerica*, 31, Heft 1, 1980.
- [29] G. Leibl, *Galvanotechnik*, 79, Nr. 9, 2883-2888, 1988.
- [30] K. Konstandinis, B. Thakkar, A. Chakraborty, L. W. Potts, R. Tannenbaum, M. Tirell, J. F. Evans, *Langmuir*, 8, 1307-1317, 1992.
- [31] I. Koprinarov, „*Beiträge von metallisierten plasmamodifizierten Polymeroberflächen*“, Dissertation an der Universität Potsdam, 1998.
- [32] J. Holubka, R. A. Dickie, J. C. Cassata, *J. Adhes. Sci. Technology*, 6, 243, 1992.
- [33] L. D. Site, C. F. Abrams, A. Alavi, K. Kremer, *Physical Revue Letters*, Vol. 89, Number 15, 2002.
- [34] D. Satas, *Coatings Technology Handbook*, Marcel Decker, Inc. New York–Basel-Hong Kong, 217, 1991.
- [35] DIN EN 24624.
- [36] M. Griepentrag, *Galvanotechnik*, 2, 308-321, 2003.
- [37] R. H. Ludwig, *Plasmapolymerisation- ein Verfahren zur Erzeugung dünner Schichten*, Dissertation an der Rheinisch-Westfälischen Technischen Hochschule Aachen, 1989.
- [38] A. C. F. -Cripps, *Nanoindentation*, Springer Verlag, New Xork-Berlin-Heidelberg, 2003.
- [39] B. J. Briscoe, L. Flori, E. Pelillo, *J. Phys. D- Appl. Phys.* 31, 2395-2405, 1998.
- [40] J. L. Bucaille, S. Stauss, P. Schwaller, J. Michler, *Thin Solid Films*, 447-448, 239-245, 2004.
- [41] B. Jacoby, A. Wiens, M. v. Gradowski, R. Ohr, B. Petereit, H. Hilgers, *Vakuum in Forschung und Praxis*, 15, Nr. 5, 253-258, 2003.
- [42] DIN 53496
- [43] A. Brunold, F. Kleinert, R. Schnabel, S. Marinow, *Metalloberfläche*, 51, p. 37-42, 1997.
- [44] S. Hild, „*Die Veränderung der Oberflächeneigenschaften von Polypropylen durch Coronabehandlung*“, Dissertation an der Technischen Universität Claustahl, 1993.
- [45] S. Kröpke, A. Holländer, *Mat.-Wiss. und Werkstofftech.*, 32, 781-784, 2001
- [46] J. Friedrich, I. Loeschke, J. Gähde, *Acta Polymerica*, 37, 11(13), 687-695, 1986.
- [47] E. M. Liston, L. Martinu, M. R. Wertheimer, *Plasma surface modification of polymers*, K.L. Mittal (Eds.), M. Strobel, C. Lyons, p. 3-39, 1994.
- [48] R. Hippler, S. Pfau, M. Schmidt, K. H. Schoenbach (Eds.), *Low Temperature Plasma Physics Fundamental Aspects and Applications*, Wiley-VCH, 2000.
- [49] A. Kruse, K. D. Vissing, A. Baalman, M. Hennecke, *Kunststoffe*, 83, 7, 522-526, 1993.
- [50] A. Holländer, J. E. K.-Sapieha, M. R. Wertheimer, *Journal of Pol. sci: Part A: Pol. chemistry*, Vol. 33, 2013- 2025, 1995.
- [51] A. C. Fozza, J. Roch, J. E. K.-Sapieha, A. Kruse, A. Holländer, M. R. Wertheimer, *Nuclear Instruments and Methods in Physics Research B 131*, 205-210, 1997.
- [52] M. Collaud, P. Groening, S. Mowak, L. Schlapbach, *Pol. Surface Modification: Relevance to Adhesion*, p. 87-99, K. L. Mittal (Ed.), VSP, 1995.
- [53] M. C. Coen, R. Lehman, P. Groening, L. Schlapbach, *Applied Surface Science*, 207, p. 276-286, 2003.
- [54] A. C. Fozza, J. E. K. -Sapieha, M. R. Wertheimer, *Plasmas and Polymers*, Vol. 4, No. 2-3, 183-206, 1999.
- [55] V. Skurat, *Nuclear Instruments and Methods in Physics Research B*, 208, p. 27-34, 2003..
- [56] Hölländer et al., *Journal of Pol. Science*, A33, p. 2013-2025, 1995.

- [57] G. F. Tjandraatmadja, L. S. Burn, M. C. Jollands, *Polymer degradation and stability*, 78, 435-448, 2002.
- [58] A. Rivaton, *Polym. degr. and stability*, 49, 163-179, 1995.
- [59] O. Chiantore, L. Trossareli, M. Lazzari, *Polymer*, 41, 1757-1668, 2000.
- [60] F. Katzenberg, *Fortschritt-Berichte VDI*, Reihe 5, Nr. 537, s. 9, 1999.
- [61] H. Yasuda, *Plasma Polymerization*, Academic Press, New York, 1985.
- [62] H. Biederman, Y. Osada, *Plasma Technology 3 -Plasmapolymerization processes*, Elsevier Amsterdam-London-New York-Tokyo, 1992.
- [63] N. Inagaki, *Plasma surface modification and plasma polymerization*, Technomic publishing co., Inc. Lancaster- Basel, p. 153-158, 1996.
- [64] S. Tamulevicius, *Vacuum*, 51, 2, 127-139, 1998.
- [65] C.-M. Chan, *Polymer Surface Modification and Characterization*, Hanser Publischer, Munich-Vienna-New York, p. 5-8, 1994.
- [66] P. Wittenbeck, *Oberflächenbehandlung von kunststoffen am Beispiel der Plasmabehandlung von Polypropylen*, Dissertation an der Universität Bayreuth, 1994.
- [67] S. L. Fleger, J. W. Heckman, Jr, K. L. Klomparens, *Elektronenmikroskopie Grundlagen Methoden Anwendungen*, Spektrum Akademischer Verlag Heidelberg Berlin- Oxford, 1996.
- [68] S. Mähl, „Grundlegende Untersuchung zur Charakterisierung plasmamodifizierter Polyolefinoberflächen mittels Röntgen-Photoelektronenspektroskopie“, Dissertation an der Universität Osnabrück, 1997.
- [69] Praktikum Versuchanleitung XPS an der Universität Illmenau, 2003.
- [70] M. Grasserbauer, H. J. Dudek, M. F. Ebel, *Angewandte Oberflächenanalyse mit SIMS, AES, XPS*, Springer Verlag Berlin-Heidelberg-New York-Tokyo, p. 258-260, 1985.
- [71] G. Beamson, D. Briggs, *High resolution XPS of Organic Polymers The Scienta ESCA 300 Database*, John Wiley & Sons, 1992.
- [72] www.cmat.uni-halle.de/equipment/esem.html
- [73] H. Chedron, M. -J. Brekner, F. Osan, *Die Angewandte Makromolekulare Chemie*, 223, p. 121-133, 1994.
- [74] J. Forsyth, J. M. Perena, R. Benavente, E. Perez, I. tritto, L. Boggioni, H. – Herbert Brintzinger, *Macromol. Chem. Phys.*, 202, p.614-620, 2001.
- [75] T. Rische, A. J. Waddon, L. C. Dickinson, W. J. Mac Knight, *Macromolecules*, 31, p. 1871-1874, 1998.
- [76] Z. Geretovsky, B. Hopp, I. Bertoti, I. W. Boyd, *Applied Surface Science*, 186, p. 85-90, 2002.
- [77] E. Dayss, G. Leps, J. Meinhardt, *Surface and coatings technology*, 116-119, p. 986-990 1999.
- [78] E. M. Liston, L. Martinu, M. R. Wertheimer, Plasma surface modification of polymers for improved adhesion: a critical review, *J. Adhesion Sci. and Technology*, 7, p. 1091-1127, 1993.
- [79] G. Franz, *Oberflächen-Technologie mit Niederdruckplasmen Beschichten und Strukturieren in der Mikromechanik*, p. 229-231, 1994.
- [80] P. K. Wu, T. M. Lu, *Metallisierte Angewandte Aspekte der Plastik 7*, Ed. K. L. Mittal, VSP, 215, 2001.
- [81] C. Ahn, S. Kim, H. Chao, S. Murugesan, G. Beaucage, *Mat. Res. Soc. Symp. Proc. Vol. 729*, p. 131-133, 2002.
- [82] J. F. Friedrich et al., *Surface and Coatings Technology*, 116-119, p. 772-782, 1999.
- [83] B.-L. Johansson, A. Larsson, A. Ocklind, A. Öhrlund, *Journal of Applied Polymer Science*, Vol .86, 2618-2625, 2002.
- [84] C. Sidel, H. Kopf, B. Gotsmann, T. Vieth, H. Fuchs, K. Reihls, *Applied Surface Science*, 150, p. 19-33, 1999.

- [85] J. F. Friedrich, W. E. S. Unger, A. Lippitz, R. Giebler, I. Koprinarov, St. Wieder, G. Kühn, *Polymer Surface Modification: relevance to adhesion*, Vol. 2, p. 137-171, Ed. K. L. Mittal, VSP, 2000.
- [86] D. Rats, *Thin Solid Films*, 340, p. 33-39, 1999.
- [87] S. Dahl et al., *Thin Solid Films*, 355-356, p. 290-294, 1999.
- [88] A. Bergeronet et al., *Journal of Vacuum Science and Technology*, A 16, p. 3227-, 1998.
- [89] R. Willecke, F. Faupel, *Macromolecules*, 30, p. 567-573, 1997.
- [90] F. Faupel, R. Willecke, A. Thran, M. Keine, C. v. Bechtolsheim, T. Strunkus, *Defect and Diffusion Forum*, Vol. 143-147, p. 887-902, 1997.
- [91] T. Strunkus, M. Keine, R. Willecke, A. Thran, C. v. Bechtolsheim, F. Faupel, *Materials and Corrosion*, 49, p. 180-188, 1998.
- [92] U. Schulz, N. Kaiser, *Laser Opto - Optische Schichten*, 31(2), p. 48-54, 1999.
- [93] K. Rieß, *Plasmamodifizierung von Polyethylen*, Dissertation an der Martin-Luther Universität Halle-Wittenberg, 2001.
- [94] A. Bergon, J. E. K. Sapieha, L. Martinu, *Journal of Vacuum Science and Technology A*, 16(6), p. 3227-3234, 1998.
- [95] C. C. Lee, J. C. Hsu, C. C. Jaing, *Thin Solid Films*, 295, p. 122-124, 1997.
- [96] P. Schissel, C. Kennedy, R. Goggin, *Journal of Adhesion Science and Technology*, Vol. 9, No. 4, p. 413-424, 1995.
- [97] H. Chedron, M. J. Brekner, F. Osan, *Angew. Macromol. Chemie*, 223, p. 121-133, 1994.
- [98] E. Lugschneider, K. Bobzin, M. Maes, A. Krämer, *Thin Solid Films*, 459, p. 313-317, 2004.
- [99] E. Lugschneider, K. Bobzin, M. Möller, *Thin Solid Films*, 355-356, p. 367-373, 1999.
- [100] M. V. Swain, J. Mencik, *Thin solid films*, 253, p. 204-211, 1994.
- [101] A. J. Whitehead, T. F. Page, *Thin solid films*, 220, p. 277-283, 1992.
- [102] P. A. Steinmann, Y. Tardy, H. E. Hintermann, *Thin solid films*, 154, p. 333-349, 1987.
- [103] V. D. Jardet, W. C. Oliver, *Mat. Res. Soc. Symp. Proc.*, 594, p. 251-256, 2000.
- [104] K.-P. Müller, *Praktische Oberflächentechnik Vorbehandeln-Beschichten-Prüfen*, 2 Auflage, Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, Braunschweig/Wiesbaden, 1996.
- [105] N. S. Allen, M. Edge, *Fundamentals of Polymer Degradation and Stabilisation*, Elsevier Applied Science, London-New York, 1992.
- [106] A. Rivaton et al., *Polym. Degr. and Stability*, 49, p. 163-179, 1995.
- [107] A. Ram, O. Zilber, S. Kenig, *Pol. Eng. Science*, 25, p. 535-540, 1985.
- [108] G. F. Tjandraatmadja, L. S. Burn, M. C. Jollands, *Pol. Degr. Stab.*, 78, p. 435-448, 2002.
- [109] H. Domininghaus, *Die Kunststoffe und ihre Eigenschaften*, Springer-Verlag, Berlin,-Heidelber, 1998.
- [110] K. K. Okudaira et al., *J. Electr. Spectr. And Rel. Phenom.*, 88-91, p. 913-917, 1998.
- [111] J. Friedrich, I. Loeschke, H. Frommelt, H. -D. Reiner, H. Zimmermann, P. Lutgen, *Pol. Degr. And Stability*, 31, p. 97-114, 1991.
- [112] W. D. Nix, *Mat. Sci. and Eng.*, A 234-236, p. 37-44, 1997.
- [113] A. A. Volinsky, N. R. Moody, W. W. Gerberich, *Acta Materialia*, 50, p. 441-466, 2002.
- [114] J.-L. Bucaille, S. Stauss, P. Schwaller, J. Michler, *Thin Solid films*, 447-448, p. 239-245, 2004.
- [115] B. J. Briscoe, L. Fiori, E. Pelillo, *J. Phys. D: Appl. Phys.*, 31, p. 2395-2405, 1998.
- [116] K. J. V. Vilet, A. Gouldstone, *Surface Engineering*, Vol. 17(2), p. 140-145, 2001.
- [117] B. Jacoby, A. Wienss, M. V. Gradowski, R. Ohr, B. Peterreit, H. Hilgers, *Vakuum in Forschung und Praxis*, 15 (5), p. 253-258, 2003.
- [118] G. V. Lubarsky, M. R. Davidson, R. H. Bradley, *Surface Science*, 558, p. 134-144, 2004.

- [119] C. M. Lepienski, G. M. Pharr, Y. J. Park, T. R. Watkins, A. Misra, X. Zhang, *Thin Solid Films*, 447-448, p. 251-257, 2004.
- [120] T. Ohmura, s. Matsuoka, K. Tanaka, T. Yoshida, *Thin solid films*, 385, p. 198-204, 2001.
- [121] M. T. Laugier, *Thin Solid Films*, 117, p. 243-249, 1984.
- [122] P. A. Steinmann, Y. Tardy, H. E. Hintermann, *14th international Conference on Metallurgical Coatings*, San Diego, CA, USA, March 23-27, 1987.
- [123] J. Mencik, D. Munz, E. Quadnt, E. R. Weppelmann, M. V. Swain, *J. Mater. Res.*, Vol. 12(9), p. 2475-2484, 1997.
- [124] K. C. Maner, M. R. Begley, M. Utz, *Mat. Res. Soc. Symp. Proc.*, Vol. 778, U5.4.1-U5.4.5, 2003.
- [125] E. T. Lilleodden, J. A. Zimmerman, S. M. Folies, W. D. Nix, *Mat. Res. Soc. Symp. Proc.*, Vol. 673, P1.3.1- P1.3.6, 2001.
- [126] D. B. Marschall, A. G. Evans, *J. Appl. Phys.*, 56(10), 2632-2638, 1984.
- [127] M. R. Elizade, J. M. Sancez, J. M. Martinez-Esnaola, D. Pantuso, T. Scherban, B. Sun, G. Xu, *Acta Materialia*, 51, p. 4295-4305, 2003.
- [128] M. Lane, R. H. Dauskardt, A. Vainchtein, H. Gao, *J. Mater. Res.*, Vol .15(12), p. 2758-2769, 2000.
- [129] F. J. B. Calleja, S. Fakirov, *Microhardness of Polymers*, Cambridge University press, Cambridge, UK, p. 31-41, 2000.
- [130] P. J. Burnett, D. S. Rickerby, *Paper presented at the 14th International Conference on Metallurgical Coatings*, San Diego, CA, USA, March 23-27, 1987.
- [131] F. Faupel, R. Willecke, A. Thran, C.v. Bechtolsheim, M. Kiene, T. Strunkus, *Mittal Festschrift*, pp. 747-761, W. J. V. Ooij, H. R. Anderson, Jr. (Eds.), VSP, 1998.
- [132] V. Zaporajtchenko, T. Strunkus, J. Erichsen, F. Faupel, *Macromolecules*, Vol. 34(5), p. 1125-1127, 2001.
- [133] G. Cardenas T., M. Gozalez G., H. Carbacho, *Polymer Bulletin*, 41, p. 333-339, 1998.
- [134] Y. Traveley, L. Zhang, Y. Zhao, R. Pffefer, K. Uhrich, F. Cosandey, E. Garfunkel, T. E. Madey, *J. Mater. Res.*, Vol. 14(9), p. 3673-3683, 1999.
- [135] T. T. Tsong, *Progress in Surface Science*, 67, p. 235-248, 2001.
- [136] S. Iwamori, T. Miyashita, S. Fukuda, S. Nozaki, K. Sudoh, N. Fukuda, *Metallized Plastics 5&6: Fundamental and Applied Aspects*, p. 389-407, K.L. Mittal (Ed.), VSP, 1998.
- [137] C. v. Bechtolsheim, V. Zaporajtchenko, F. Faupel, *Applied Surface Science*, 151, p. 119-128, 1999.
- [138] J. Faupel, C. Fuhse, A. Meschede, C. Herweg, H. U. Krebs, S. Vitta, *Appl. Phys. A*, 79, p.1233-1235, 2004.
- [139] M. Kiene, T. Strunkus, F. Faupel, *Metallized Plastics 5&6: Fundamental and Applied Aspects*, p. 211-229, K.L. Mittal (Ed.), VSP, 1998.
- [140] M.-A. Yanaka, Y. Kato, Y. Tsukahara, N. Takeda, *Thin Solid Films*, 355-356, p. 337-342, 1999.
- [141] Y. M. Lian, K. W. Leu, S. L. Liao, W. H. Tsai, *Surface and Coatings Technology*, 71, p. 142-150, 1995.
- [142] A. Bergeron, J. E. K.-Sapieha, L. Martinu, *J. Vac. Sci. Technol. A*, 16(6), p. 3227-3234, 1998.
- [143] J. E. K.-Sapieha, D. Poitras, L. Martinu, N. L. S. Yamasaki, C. W. Lantman, *J. Vac. Sci. Technol. A*, 15(3), p. 985-991, 1997.
- [144] A. S. da Silva Sobrino, N. Schühler, J. E. K. -Sapieha, M. R. Werthmeier, M. Andrews, S. C. Gujrathi, *J. Vac. Sci. Technol. A*, 16(4), p. 2021-2029, 1998.
- [145] C.-C. Lee, J.-C. Hsu, C. -C. Jaing, *Thin Solid Films*, 295, p. 122-124, 1997.
- [146] A. Grüngier, Ph. R. von Rohr, *Thin Solid Films*, 459, p. 308-312, 2004.

- [147] E. Lugschneider, K. Bobzin, M. Maes, A. Krämer, *Thin Solid Films*, 459, p. 313-317, 2004.
- [148] H. Chatham, *Surface and Coatings Technology*, 78, p.1-9, 1996.
- [149] M. Benmalek, H. M. Dunlop, *Surface and Coatings Technology*, 76-77, p. 821-826, 1995.
- [150] P. Schissel, C. Kennedy, R. Goggin, *J. Adhesion Sci. Technol.*, Vol. 9(4), p. 413-424, 1995.
- [151] S. Vallon, R. Brenot, A. Hofrichter, B. drevillon, A. Gheorghiu, C. Senemand, J. E. K.-Sapieha, L. Martinu, E. P.-Epaillard, *J. Adhesion Sci. Technol.*, Vol. 10(12), p. 1313-1332, 1996.
- [152] S. Vallon, A. Hofrichter, L. Guyot, B. Drevillon, J. E. K.-Sapieha, L. Martinu, F. P.-Epaillard, *J. Adhesion Sci Technol.*, Vol 10(12), p. 1287-1311, 1996.
- [153] S. K. Kon, J. S. Cho, K. H. Kim, S. Han, Y. W. Beag, *J. Adhesion Sci. Technol.*, Vol. 16(2), p. 129-142, 2002.
- [154] V. A. Belyi, V. A. Smurgov, A. I. Sviridyonok, *Adhesion and Adsorption of Polymers*, L.-H. Lee (Ed.), Pol. Sci. and Techn., Vol. 12, plenum Presss, New York-London, 1981.
- [155] Y. Travalay, P. Bertrand, G.-M. Rignanese, X. Gonze, *J. Adhesion*, Vol. 66, p. 339-3555, 1998.
- [156] D. M. Brewis, D. Brigs, *Polymer*, Vol .22(7), 1981.
- [157] J. Yip, K. Chan, K. M. Sin, *Mat. Res. Innov.*, 6, p. 44-50, 2002.
- [158] I. Novak, I. Chodak, *Die Angewandte Makromolekulare Chemie*, 260 (Nr. 4568), p. 47-51, 1998.
- [159] N. V. Bhat, D. J. Upahdyay, *Journal of Applied Pol. Science*, Vol. 86, p. 925-936, 2002.
- [160] D. J. Wilson, R. C. Pond, R.L. Williams, *Interface Science*, 8, p. 389-3999, 2000.
- [161] F. P.-Epaillard, J. -C. Brosse, T. Father, *Macromol. Chem. Phys.*, 200, p. 989-996, 1999.
- [162] M. Collaud, S. Nowak, O. M. Küttel, L. Schlapbach, *J. Adhesion Sci. Technol.*, Vol. 8(4), p. 435-453, VSP, 1994.
- [163] F. P.-Epaillard, B. Chevet, J.-C. Brosse, *J. Adhesion Sci. Technol.*, Vol. 8(4), p. 455-468, 1994.
- [164] K.-W. Lee, T. J. McCarthy, *Macromolecules*, 21, p. 309-313, 1988.
- [165] M. Murahara, *Pol. Surface Modification: Relevance to Adhesion*, . 223-229, K. L. Mittal (Ed.), VSP, 1995.
- [166] R. D. Boyd, A. M. Kenwright, J. P. S. Badyal, D. Briggs, *Macromolecules*, 30, p. 5429-5436, 1997.
- [167] E. Couto, I. H. Tan, N. Demarquette, J. C. Caraschi, A. Leao, *Pol. Eng. and Sci.*, Vol. 42(4), 2002.
- [168] F. P.- Epaillard, M. Aouinti, *Plasmas and Polymers*, Vol. 7(1), 2002.
- [169] N.-Y. Cui, N. M. D. Brown, *Applied Surface Science*, 189, p. 31-38, 2002.
- [170] E. Massines, G. Gouda, N. Gherardi, M. Duran, E. Croquesel, *Plasmas and polymers*, 6, Nos. ½, 2001.
- [171] G. Tao, A. Ging, J. Lu, H.-J. Sue, D. E. Bergbreiter, *Macromolecules*, 31, p. 7672-7679, 2001.
- [172] F. A.-Khonsari, M. Tatoulian, N. Shahidzadeh, M. Chehimi, J. Amoroux, D. Leonard, P. Bertrand, *Mittal Festschrift*, p. 329-353, W. J. V. Oooij, H. R. Anderson, Jr. (Eds), VSP, 1998.
- [173] Y. Qiu, C. Zhnag, Y. J. Hwang, B. L. Bures, M. McCord, *J. Adh. Sci. Technol.*, Vol. 16(1), p. 99-107, 2002.
- [174] T. Nishino, T. Kojima, J. Nakao, K. Nakamae, *Metallized Plastics7: Fundamental and Applied Aspects*, p. 37-48, Ed. K. L. Mittal, VSP, 2001.
- [175] G. Xue, Y. Lu, G. Shi, *Polymer*, Vol. 35(12), 1994.

- [176] T. Gross, A. Lippitz, W. E. S. Unger, J. F. Friedrich, C. Wöll, *Polymer*, Vol. 35(25), 1994.
- [177] S. Süzer, A. Argun, O. Vatansever, O. Aral, *Journal of Applied Pol. Sci.*, Vol.74, p. 1846-1850, 1999.
- [178] R. M. France, R. D. Short, *Langmuir*, 14, p. 4827-4835, 1998.
- [179] O. D. Greenwood, R. D. Boyd, J. Hopkins, J. P. S. Badyal, *J. Adhesion Sci. Technol.*, Vol. 9(3), p. 311-326, 1995.
- [180] H. Schönherr, Z. Hruska, G. J. Vansco, *Macromolecules*, 31, p. 3679-3685, 1998.
- [181] J. Frank, F. Simon, F.-J. Schmitt, *Phys. Chem. Chem. Phys.*, 1, p. 3865-3869, 1999.
- [182] K. Yamada, J. Kimura, M. Hirata, *Journal of Applied Polymer Science*, Vol. 87, p. 2244-2252, 2003.
- [183] W. Michaeli, R. Dahlmann, *Journal of Pol. Eng.*, Vol. 21(2-3), p. 195- 208, 2001.
- [184] W.C. Oliver, G.M. Pharr. *J. Mater. Res.*, Vol 7(6), p.1564-1583,1992.
- [185] A. Namkanisorn, A. Ghatak, M. K. Chaudhury, D. H. Berry, *J. Adhesion Sci. Technol.*, Vol. 15 (14), p. 1725-1745, 2001.
- [186] Q. Yao, J.Qu, *J. of El. Packaging*, Vol. 202, p. 124-127, 2002.
- [187] G. Leps, *Vorlesung - Oberflächencharakterisierung internes Lehrmaterial*, Merseburg, 2001.
- [188] *Surface Analysis-The Principal Techniques*, Ed. by J. C. Vickerman, Electron Spectroscopy for Chemical Analysis-from D. Rather, D. G. Castner, p. 44-45, 1997.
- [189] C. H. Hamann, W. Vielstich, *Elektrodenprozesse, angewandte Elektrochemie*, Weinheim Verlag Chemie, 1981.
- [190] H. Meinhard, Dissertation an der Martin-Luther-Universität Halle-Wittenberg, *Rheologische Untersuchung zu Härteeindruckexperimenten im Nanometerbereich*, 1999.
- [191] B. Lassen, C.-G. Gölander, A. Johansson, H. Elwing, *Clinical Materials*, 11, p. 99-103, 1992.
- [192] P. Munzert, U. Schulz, N. Kaiser, *Surface and coatings technology*, 173-174, p. 1048-1052, 2003.
- [193] G. Beamson, D. Briggs, *High Resolution XPS of Organic Polymers The Scienta ESCA 300 Database*, John Wiley & Sons, England, pp. 110-111, 1992.
- [194] R. Rochotzki, Dissertation an der Technischen Universität Chemnitz-Zwickau, " *Ellipsometrische Untersuchungen an Plasmapolymere und plasmamodifizierte Polymeroberflächen*", 1996.
- [195] G. Kill, D. H. Hunter, N. S. McIntyre, *Journal of Polymer Science: Part A: Polymer chemistry*, Vol. 34, pp. 2299-2310, 1996.