

Literaturverzeichnis

- [1] C.K. Kao and G. Hockham, IEE Proc., No. 113, 1966, pp. 1151-1154
- [2] ---, „**Nachrichtentechnik**“, Lingen Verlag Köln, 1991, pp. 143-144
- [3] I. Hayashi, M.B. Panish, P.W. Foy, and S. Sumski, „**Junction Lasers which Operate Continuously at Room Temperature**“, Applied Physics Letters, Vol. 17, No. 3, february 1970, pp. 109-111
- [4] R. Diehl, „**Photonik**“, Spektrum der Wissenschaft, No. 7, 1996, pp. 102-113
- [5] U. Bauernfeind, „**Glasfasertechnologie im LAN-Backborn-Bereich Quantensprung durch Lichtwellenleiter**“, Net, No. 47, 1993, pp. 161-162
- [6] W. Weippert, „**The evolution of the access network in Germany**“, IEEE Computer Magazin, 1994, pp. 50-55
- [7] W. Bludau, „**Lichtwellenleiter in Sensorik und optischer Nachrichtentechnik**“, Springer-Verlag Berlin, 1998, ISBN 3-540-63848-2
- [8] S.E. Miller, „**Integrated optics: An introduction.**“, Bell Syst. Tech. Journal, Vol. 8, No. 7, pp. 2059-2069, USA, 1969,
- [9] O. Mitomi, K. Kasaya, Y. Tohmori, Y. Suzaki, H. Fukano, Y. Sakai, M. Okamoto, and S. Matsumoto, „**Optical Spot-Size Converters for Low-Loss Coupling Between Fibers and Optoelectronic Semiconductor Devices**“, IEEE Journal of Lightwave Technology, Vol. 14, No. 7, pp. 1714-1720, 1996
- [10] J. Stulemeijer, A.F. Bakker, I. Moerman, F.H. Groen, and M.K. Smit, „**InP-based spotsizer converter for integration with switching devices**“, IEEE Photonics Technology Letters, Vol. 11, No. 1, pp. 81-83, 1999
- [11] O. Mitomi, K. Kasaya, and H. Miyazawa, „**Design of a Single-Mode Tapered Waveguide for Low-Loss Chip-to-Fiber Coupling**“, IEEE Journal of Quantum Electronics, Vol. 30, No. 8, pp. 1787-1793, 1994
- [12] R. Zengerle, O. Leminger, W. Weiershausen, K. Faltin, and B. Hübner, „**Laterally Tapered InP-InGaAsP Waveguides for Low-Loss Chip-to-Fiber Butt Coupling: A Comparison of Different Configurations**“, IEEE Photonics Technology Letters, Vol. 7, No. 5, pp. 532-534, 1995

- [13] K. Yoshino, T. Takeshita, I. Kotaka, S. Kondo, Y. Noguchy, R. Iga, and K. Wakita, **„Compact and Stable Electroabsorption Optical Modulator Modules“**, IEEE Journal of Lightwave Technology, Vol. 17, pp. 1700-1707, 1999
- [14] N. Mineo, K. Yamada, K. Nakamura, S. Sakai, T. Ushikubo, **„60-GHz Band Electroabsorption Modulator Module“**, Optical Fiber Communication Conference, Techn. digest, Vol. 2, pp. 287-288, Washington, USA, 1998
- [15] L.G. Cohen, and M.V. Schneider, **„Microlenses for Coupling Junction Lasers to Optical Fibers“**, Applied Optics, Vol. 13, No. 1, pp. 89-94, 1974
- [16] M. Maeda, I. Ikushima, K. Nagano, M. Tanaka, H. Nakashima, and R. Itoh, **„Hybrid laser-to-fiber coupler with a cylindrical lens“**, Applied Optics, Vol. 16. No. 7, pp. 1966-1970, 1977
- [17] I. Moerman, P.P. Van Dale, and P.M. Demeester, **„A review on fabrication technologies for the monolithic integration of tapers with III-V semiconductor devices“**, IEEE J. Select. Topics Quantum Electronics, Vol. 5, pp. 1308-1320, 1996
- [18] J.D. Love, **„Spot Size, Adiabaticity and diffraction in Tapered Fibers“**, Electronics Letters, Vol. 23, No. 19, pp. 883-884, 1987
- [19] R.P. Kenny, T.A. Birks, and K.P. Oakley, **„Control of Optical fiber Taper Shape“**, Electronics Letters, Vol. 27, No. 18, pp.1654-1656, 1991
- [20] T.A. Birks, and Y.W. Li, **„The Shape of Fiber Tapers“**, IEEE Journal of Lightwave Technology, Vol. 10, No. 4. pp. 432-438, 1992
- [21] J. Nishimura and K. Morishita, **„Mode-field expansion and reduction in dispersive fibers by local heat treatments“**, IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 5, 1999
- [22] O. Latry, K. Ketata, and R. Debré, **„Optimization of the coupling between a tapered fibre and a p-i-n photodiode“**, Journal of Physics D: Applied Physics, Vol. 28, pp. 1562-1572, 1995
- [23] M.L. Dakks, and B. Kim, **„Simple Self-Centring Technique for Mounting Microsphere Coupling Lens on a Fibre“**, Electronics Letters, Vol. 16, No. 12, pp. 463-464, 1980
- [24] P.D. Bear, **„Microlenses for coupling single-mode fibers to single-mode thin-film waveguides“**, Applied Optics, Vol. 19, No. 17, pp. 2906-2909, 1980

- [25] Y. Murakami, J.-I. Yamada, J.-I. Sakai, and T. Kimura, „**Microlens Tipped on a Single-Mode Fibre End for InGaAsO Laser Coupling Improvement**“, Electronics Letters, Vol. 16, No. 9, pp. 321-322, 1980
- [26] C.A. Edwards, H.M. Presby, and C. Dragone, „**Ideal Microlenses for Laser to Fiber Coupling**“, IEEE Journal of Lightwave technology, Vol. 11, No. 2 pp. 252-257, 1993
- [27] C.W. Barnard, and J.W.Y. Lit, „**Single-mode fiber microlens with controllable spot size**“, Applied Optics, Vol. 30, No. 15, pp. 1958-1962, 1991
- [28] L. Yuan, A. Qui, „**Analysis of a single-mode fiber with taper lens end**“, Journal of Optical Society of America, Vol. 9, No. 6, pp. 950-952, 1992
- [29] S.K. Mondal, S. Gangopadhyay, and S. Sarkar, „**Analysis of an upside down taper lens end from a single-mode step-index fiber**“, Applied Optics, Vol. 37, No. 6, pp. 1006-1009, 1998
- [30] K. Kuwahara, M. Sasaki, and N. Tokoyo, „**Efficient coupling from semiconductor lasers into single-mode fibers with tapered hemispherical ends**“, Applied Optics, Vol. 19, No. 15, pp. 2578-2583, 1980
- [31] K. Shiraishi, A. Ogura, and K. Matsuura, „**Spotsize contraction in standard single-mode fibers by use of a GI-fiber-tip with a high focusing parameter**“, IEEE Photonics Technology Letters, Vol. 10, pp. 1757-1759, 1998
- [32] K. Kasaya, O. Mitomi, M. Naganuma, Y. Kondo, and Y. Nogouchi, „**A Simple Laterally Tapered Waveguide for Low-Loss Coupling to Single-Mode Fibers**“, IEEE Photonics Technology Letters, Vol. 5, No. 3, pp. 345-347, 1993
- [33] T. Brenner, M. Bachmann, and H. Melchior, „**Vertically tapered InGaAsP/InP waveguides for highly efficient coupling to flat-end single-mode fibers**“, Applied Physics Letters, Vol. 65, No. 7, pp. 798-800, 1994
- [34] J. Buus, W.J. Steward, J. Haes, J. Willems, and R.G. Baets, „**Spot Size Expansion for Laser-to-Fiber Coupling Using an Integrated Multimode Coupler**“, IEEE Journal of Lightwave Technology, Vol. 11, No. 4, pp. 582-588, 1993
- [35] K.J. Ebeling, „**Integrierte Optoelektronik**“, Springer-Verlag Berlin, ISBN 3-540-51300-0, Berlin, 1989
- [36] W. Hellmich, and P.P. Deimel, „**Optimal AR-Coating for Optical Waveguide Devices**“, IEEE Journal of Lightwave Technology, Vol. 10, No. 4, 1992

- [37] R.J. Deri, and E. Kapon, „**Low-Loss III-V Semiconductor Optical Waveguides**“, IEEE Journal of Quantum Electronics, Vol. 27, No. 3, pp. 626-640, 1991
- [38] G.-J. Li, and P.-L. Liu, „**Numerical analysis of microdisk lasers with rough boundaries**“, IEEE Journal of Quantum Electronics, Vol. 33, No. 5, pp. 791-795, 1997
- [39] R.G. Hunsperger, „**Integrated Optics: Theory and Technology**“, Springer-Verlag New York, ISBN 0-387-53305-2, Newark, 1991
- [40] W.J. Steward , and J.D. Love, „**Design limitation on tapers and couplers in single mode fibres**“, Proceedings of ECOC '85, pp. 559-562, Genoa, Italy, 1985
- [41] J.D. Love, and W.M. Henry, „**Quantifying loss minimisation in single-mode fibre tapers**“, Electronics Letters, Vol. 22, pp. 912-914, 1986
- [42] E.-G. Neumann, „**Single-Mode-Fibers**“, Springer Series in Optical Sciences, Springer-Verlag, S. 304-306, 1988
- [43] A. Gerrard, and J.M. Burch, „**Introduction to Matrix Methods in Optics**“, Wiley, Toronto, 1975
- [44] H. Lakner, B. Bollig, P. Volmich, Q. Liu, F. Scheffer, A. Lindner, and W. Prost, „**High Resolution STEM Z-Contrast Imaging and XRD: Two New Approaches for the Characterization of GaInP/GaAs Heterostructures**“, Proceedings of the Royal Microscopical Society Conference, Editors A.G. Callis, A.E. Staton-Bevon, and J.L. Hutchinson, Bristol, April 1993, ISBN 0-7503-0290-9, pp. 497-502
- [45] M. Köhler, „**Ätzverfahren für die Mikrotechnik**“, Wiley-VCH, Weinheim, ISBN 3-527-28869-4, 1998
- [46] K.L. Conway, A.G. Dentai, and J.C. Campbell, „**Etch rates for two material selective etches in the InGaAsP/InP system**“, J. Appl. Phys., Vol. 53, No. 3 March 1982, pp. 1836-1838
- [47] K. Furuya, L.A. Coldren, B.I. Miller, and J.A. Rentschler, „**Crystallographic facets chemically etched in GaInAsP/inP for integrated optics**“, Electron. Lett., No. 17, 1981, pp. 582-583
- [48] P. Buchmann, A.J.N. Houghton, „**Optical Y-Junctions and S-Bends formed by preferentially etched single-mode rib waveguides in InP**“, Electron. Lett., No. 18, September 1982, pp. 850-852

- [49] S.B. Phatak, and G. Kelner, „**Material-Selective Chemical Etching in the System InGaAsP/InP**“, J. Electrochem. Soc.: Solid-State Science and Technology, Vol. 126, No. 2, February 1979, pp. 287-292
- [50] S. Adachi, Y. Noguchi, and H. Kawaguchi, „**Chemical Etching of InGaAsP/InP DH Wafer**“, J. Electrochem. Soc.: Solid-State Science and Technology, Vol. 129, No. 5, May 1982, pp. 1053-1062
- [51] S. Adachi, and H. Kawaguchi, „**InGaAsP-InP planar-stripe lasers fabricated by wet chemical etching**“, J. Appl. Phys., Vol 52, No. 5, May 1981, pp. 3176-3178
- [52] T.L. Koch, P.J. Corvini, and W.T. Tsang, „**Anisotropically etched deep gratings for InP/InGaAsP optical devices**“, J. Appl. Phys., Vol. 62, No. 8, October 1987, pp. 3461-3463
- [53] S.E.H. Turlea, and P.D. Greene, „**LPE Growth on Structured (100) InP Substrates and their Fabrication by Preferential Etching**“, J. Cryst. Growth, No. 58, 1982, pp. 409-416
- [54] S. Uekusa and K. Oigawa, „**Preferential Etching of InP for Submicron Fabrication with HCl/H₃PO₄ Solution**“, J. Electrochem. Soc.: Solid-State Science and Technology, Vol. 132, No. 3, March 1985, pp. 671-673
- [55] F. Ying, W.H. Juan, and S.W. Pang, „**Etching of high aspect ratio microcavity structures in InP**“, J. Vac. Sci. Technol. B, Vol. 15, No. 3, June 1997, pp. 665-669
- [56] G.C. DeSalvo, W.F. Tseng, and J. Comas, „**Etch rates and Selectivities of Citric Acid/Hydrogen Peroxide on GaAs, Al_{0.3}Ga_{0.7}As, In_{0.2}Ga_{0.8}As, In_{0.53}Ga_{0.47}As, In_{0.52}Al_{0.48}As, and InP**“, J. Electrochem. Soc., Vol. 139, No. 3, March 1992, pp. 831-838
- [57] S. Adachi, „**Chemical Etching of InP and InGaAsP/InP**“, J. Electrochem. Soc., Vol. 129, No. 3, March 1982, pp. 609-613
- [58] I.E. Vermeir, W.P. Gomes, and P. Van Daele, „**Some Fundamental Aspects of Profile Etching at InP Surfaces**“, J. Electrochem. Soc., Vol. 142, No. 9, September 1995, pp. 3226-3231

- [59] K. Ikossi-Anastasiou, S.C. Binari, G. Kelner, J.B. Boos, C.S. Kyono, J. Mittereder, and G.L. Griffin, „**Wet Chemical Etching with Lactic Acid Solutions for InP-Based Semiconductor Devices**“, J. Electrochem. Soc., Vol. 142, No. 10 October 1995, pp. 3558-3564
- [60] M. Tong, K. Nummila, A.A. Ketterson, and I. Adesida, „**Selective Wet Etching Characteristics of Lattice-Matched InGaAs/InAlAs/InAlAs/InP**“, J. Electrochem. Soc., Vol. 139, No. 10, October 1992, pp. L91-L93
- [61] A. Mouton, C.S. Sundararaman, H. Lafontaine, S. Poulin, and J.F. Currie, „**Etching of InP by H₃PO₄, H₂O₂ Solutions**“, Jap. J. Appl. Phys., Vol. 29, No. 10, October 1990, pp. 1912-1913
- [62] S. Adaci, H. Kawagucji, and G. Iwane, „**InGaAsP/InP Planar-Stripe Lasers with Chemically Etched Mirrors**“, J. Electrochem. Soc., Vol. 129, No. 4, pp. 883-886, 1982,
- [63] W. Prost, „**Technologie der III/V-Halbleiter**“, Springer-Verlag Berlin, ISBN 3-540-62804-5, 1997
- [64] S. Morasca, G. Magnetti, F. Schiattone, G. Schiavini, A. Stano, and C. De Bernardi, „**High efficiency coupling between semiconductor waveguides and single-mode optical fibers**“, SPIE Vol. 1794 Integrated Optical Circuits II, 1992, pp. 179-184
- [65] D.L. Kendall, „**Vertical etching of silicon at very high aspect ratios**“, Annual review of material science, Vol. 9, pp. 373-403, 1979
- [66] A.E. Siegmann, M.W. Sasnett, and T.F. Johnston, „**Choice of Clip Levels for Beam Width Measurements Using Knife-Edge Techniques**“, IEEE Journal of Quantum Electronics, Vol. 27, No. 4, pp. 1098-1104, 1991
- [67] T.F. Johnston, M.W. Sasnett, and L.W. Austin, „**Measurement of „Standard“ Beam Diameters**“, Proceedings of the Workshop Laser Beam Characterization, Madrid, Spain, pp. 1-11, 1993
- [68] C. Gerthsen, H.O. Kneser, H. Vogel, „**Physik**“, Springer-Verlag Berlin, ISBN 3-540-51196-2, Berlin, 1989

- [69] W.B. Joyce, and B.C. DeLoach, „**Alignment of Gaussian beams**“, Applied Optics, Vol. 23, No. 23, pp. 4187-4196, 1984
- [70] M. Kawachi, and T. Edahiro, „**Microlens Formation on VAD Single-Mode Fibre Ends**“, Electronics Letters, Vol. 18, pp. 71-72, 1982
- [71] K. Morishita, and K. Aso, „**Fiber loop polarizers using a fused taper coupler**“, IEEE Journal of Lightwave Technology, Vol. 12, No. 4, pp. 634-637, 1994
- [72] T.A. Birks, P.St.J. Russell, and D.O. Culverhouse, „**The acousto-optic effect in single-mode fiber tapers and couplers**“, Journal of Lightwave Technology, Vol. 14, No. 11, pp. 2519-2529, 1996
- [73] K.A. Milstein, and E.A. Pogorelov, „**Frequency characteristics of optical travelling-wave modulators built on tapered coupler**“, Proceedings of the Mathematical Methods in electromagnetic Theory Conference 1998, Vol. 2, pp. 917-919, New York, USA, 1998
- [74] R.G. Walker, „**Simple and Accurate Loss Measurement Technique for Semiconductor Optical Waveguides**“, Electronics Letters, Vol. 21, No. 13, pp. 581-583, 1985
- [75] T. Ido, S. Tanaka, M. Suzuki, M. Koizumi, H. Sano, and H. Inoue, „**Ultra-high-speed multiple-quantum-well electro-absorption optical modulators with integrated waveguides**“, Journal of Lightwave Technology, Vol. 14, No. 9, pp. 2026-2034, 1996
- [76] K. Yamada, H. Muray, J. Nakamura, Y. Matsui, and I. Ogawa, „**Low polarization dependent ($< 0,3\text{dB}$) in an EA-modulator using a polyimide-buried high-mesa ritch Structure with an InGaAsO bulk absorption layer**“, Electronics Letters, Vol. 31, No. 3, pp. 237-238, 1995
- [77] H. G. Unger, „**Optische Nachrichtentechnik, Teil 1: Optische Wellenleiter**“, Hüthig Buch Verlag Heidelberg, 1990
- [78] S. Ungar, „**Fibre Optics: Theory and Applications**“, John Wiley & Sons, New York, ISBN 0-471-92758-9, 1990
- [79] F. Heismann, D. A. Fishman, and D. L. Wilson, „**Automatic compensation of first order polarization mode dispersion in a 10 Gb/s transmission system**“, 24th European Conference on Optical Communication, Technical digest, Vol. 1, pp. 529-530, Madrid, Spain, 1998

- [80] D. Penninckx, and F. Bruyere, „**Impact of the statistics of second-order polarization-mode dispersion on system performance**“, OFC '98, Technical Digest, pp. 340-342, Washington, USA, 1998
- [81] H. Keang-Po, L. Chinlon, „**Performance analysis of optical transmission system with polarization-mode dispersion and forward error correction**“, IEEE Photonics Technology Letters, Vol. 9, No. 9, pp. 1288-1290, 1997
- [82] R. F. Harrington, „**Time-harmonic electromagnetic fields**“, Mc Graw-Hill, p. 116, New York, USA, 1961
- [83] R. E. Collin, „**Foundations for microwave engineering**“, Mc Graw-Hill, p. 173, New York, USA, 1966
- [84] D. Marcuse, „**Mode Conversion in optical Fibers with Monotonically Increasing Core Radius**“, IEEE Journal of Lightwave Technology, Vol. 5, No. 1, pp. 125-133, 1987
- [85] M. Börner, R. Müller, R. Schiek, G. Trommer, „**Elemente der integrierten Optik**“, Teubner-Verlag, ISBN 3-519-06130-9, Stuttgart, 1990
- [86] Q. Liu „**Characterization of GaInP/GaAs heterostructures by means of x-ray diffractometry and photoluminescence**“, Dissertation, Gerhard-Mercator-Universität-Duisburg, Shaker Verlag 1995.
- [87] M. Haase, W. Prost, P. Velling, Q. Liu, F. J. Tegude, „*HRXRD for the analysis of ultra thin centre-symmetric strained RTD-heterostructures*“, Thin Solid Films, No. 319, pp. 25-28, 1998.
- [88] User Guide, „**Rocking curve Analysis by Dynamical Simulation, RADS**“, Bede Scientific Instruments LTD., Durham, United Kindom, 1998.
- [89] Datenblatt High-Speed Photo-Detektor, Firma Newport, Typ PD-10ir <http://www.newport.com/Photonics>, 1999
- [90] H. Hultsch, „**Optische Telekommunikationssysteme**“, Damm-Verlag Gelsenkirchen, 1996

Eigene Veröffentlichungen

- [E1] R. Buß, T. Alder, W. Brockerde, and D. Jäger, **“8x8 GaAsP LED arrays fully integrated with 64 channel Si-driver circuits”** Applications of Photonic Technology 2, eds. G.A. Lampropulus and R.A. Lessard, pp. 333-338, 1998
- [E2] A. Stöhr, T. Alder, R. Buß, R. Heinzelmann, and D. Jäger, **„Electroabsorption modulators for broadband fiber electro-optic field-sensors“**, Applications of Photonic Technology 2, eds. G.A. Lampropulus and R.A. Lessard, pp. 871-876, 1998
- [E3] A. Stöhr, T. Alder, R. Buß, R. Heinzelmann, and D. Jäger, **“EMC measurements using electrooptic waveguide modulators“**, Int. Topical Meeting on Microwave Photonics MWP’96, Conf. Proceedings, Techn. Digest, pp. 177-180, 1996, Kyoto, Japan
- [E4] A. Stöhr, T. Alder, T. Becks, M. Groß, W. Heinrich, R. Heinzelmann, D. Kalinowski, M. Schmidt, and D. Jäger, **“Optically Powered Integrated Optical E-Field Sensor“**, 12th Int. Conf. On Optical Fiber Sensors, Conf.Proceedings, pp. 261-264, Oktober 1997, Williamsburg, Virginia, USA
- [E5] R. Buß, T. Alder, M. Groß, R. Heinzelmann, M. Meininger, and D. Jäger, **“Micro Photovoltaic Cell Array for Energy Transmission into the Human Eye“**, EPVSEC 14, Conf. Proceedings, pp. 1165-1167, 1997, Barcelona, Spain
- [E6] A. Stöhr, T. Alder, M. Groß, R. Heinzelmann, D. Kalinowski, M. Schmidt, and D. Jäger, **„Integrated Optical E-Field Sensors using TW EA-Modulators“**, Int. Topical Workshop on Contemporary Photonic Technologies, CPT ’98, Jan. 12-14, 1998, Tokyo, Japan
- [E7] A. Stöhr, T. Alder, M. Groß, R. Heinzelmann, D. Kalinowski, M. Schmidt, and D. Jäger, **“Optically Powered Remote Optical Field Sensor System Using an Electroabsorption-Modulator“**, 1998 MTT-S Int. Microwave Symposium, pp. 1225-1228, June 7-12, 1998, Baltimore, Maryland, USA
- [E8] M. Groß, T. Alder, R. Buß, R. Heinzelmann, D. Kalinowski, and D. Jäger, **“Artificial Vision: AN Application for Short Distance Free Space Optical**

- Interconnection“**, Optics in Computing (OC'98), pp. 240-242, June 17-20, 1998, Brugge, Belgique
- [E9] T. Alder, R. Heinzelmann, S. Leonhard, A. Stöhr, and D. Jäger, **“Fiber-Chip-Coupling based on InP-V-Groove-Technology“**, LEOS '98, 11th Annual Meeting, Conf. Proceedings, vol. 1, pp.40-41, Orlando, Florida, USA, Dec. 1-4 1998
- [E10] T. Alder, R. Heinzelmann, S. Leonhard, A. Stöhr, and D. Jäger, **“Faser-Wellenleiter-Kopplung auf der Basis von InP-V-Gruben und faseroptischen Modenfeld-Transformatoren“**, ITG/VDE-Workshop zu “Photonische Integration und Aufbautechnik”, Vortrag-No. 22, 5. Mai 1999, HHI, Berlin
- [E11] M. Schmidt, T. Alder, R. Heinzelmann, D. Kalinowski, A. Stöhr, and D. Jäger, **“Integrated Broadband Fiber Optical E-Field-Sensor for EMC-Applications“**, LEOS '99, 12th Annual Meeting, Conf. Proceedings, Vol. 1, pp.383-384, San Francisco, California, USA, Nov. 8-11, 1999
- [E12] A. Stöhr, T. Alder, R. Heinzelmann, and D. Jäger, **“Electroabsorption Transceiver (EAT) for fiber-wireless networks“**, 2000 International topical workshop on contemporary photonic technologies (CPT'2000), Tokyo, Japan
- [E13] T. Alder, A. Stöhr, R. Heinzelmann, and D. Jäger, **“High-Efficient Fiber-to-Chip Coupling Using Low-Loss Tapered Single-Mode Fiber“**, IEEE Photonics Technology Letters, Vol. 12, No. 8, pp. 1016-1018, 2000
- [E14] T. Alder, A. Stöhr, R. Heinzelmann, and D. Jäger, **“Improved Fiber-Chip-Coupling using Low Loss Tapered Fibers“**, ICAPT 2000, Quebec, Canada
- [E15] T. Alder, R. Heinzelmann, D. Kalinowski, M. Schmidt, A. Stöhr, and D. Jäger, **“EMV-Sensor: Abschlußbericht Teilvorhaben OE“**, BMBF, Bonn, 2000