

List of publications of W. van Etten

1 Publications in international journals

- 1.1 J. van den Boorn and W. van Etten,
“Drift reduction in wideband DC amplifiers by ’adding the lacking part’”,
Electronics Letters, Vol. 6, no. 2, 22 January 1970, p. 45.
- 1.2 J. van den Boorn and W. van Etten,
“Feedback improves the stability of difference amplifiers”,
Electronic Engineering, Vol. 42, December 1970, pp. 48-51.
- 1.3 W. van Etten and J. van der Plaats,
“Alternatives in multiwire cables for digital transmission”,
Electronics Letters, Vol. 10, no. 23, 14 November 1974, pp. 477-478.
- 1.4 W. van Etten,
“An optimum linear receiver for multiple channel digital transmission systems”,
IEEE Trans. on Communications, Vol. COM 23, August 1975, pp. 828-834.
- 1.5 W. van Etten,
“Crosstalkless termination of multiwire cables”,
Electronics Letters, Vol. 11, no. 21, 16 October 1975, pp. 505-506.
- 1.6 W. van Etten,
“Maximum likelihood receiver for multiple channel transmission systems”,
IEEE Trans. on Communications, Vol. COM 24, February 1976, pp. 276-283.
- 1.7 W. van Etten,
“The joint optimization of transmitter and receiver in single pulse transmission”,
Archiv für Elektronik und Übertragungstechnik, Vol. 31, no. 3, März 1977, pp. 93-97.
- 1.8 W. van Etten,
“Equivalent baseband multiple channel scheme for carrier modulated systems”,
Archiv für Elektronik und Übertragungstechnik, Vol. 32, no. 3, März 1978, pp.111-113.
- 1.9 W. van Etten,
“Reply to a comment on ‘Crosstalkless termination of multiwire cables’”,
Electronics Letters, Vol. 14, no. 8, 13 April 1978, pp. 251-252.
- 1.10 W. van Etten and F. van Vugt,
“Maximum likelihood receivers for data sequences transmitted over nonlinear channels”,
Archiv für Elektronik und Übertragungstechnik, Vol. 34, no. 5, März 1980, pp.216-223.

- 1.11 W. van Etten and E. de Jong,
“Joint optimisation of transmitter and receiver for digital transmission over multiple channel systems”,
Proceedings of the IEE, part F, Vol. 128, no. 1, February 1981, pp. 28-32.
- 1.12 W. van Etten,
“The ergodicity of laser light in connection with optical fibre transmission”,
Optical and Quantum Electronics, Vol. 13, November 1981, pp. 519-521.
- 1.13 W. van Etten,
“Audiodistributie in het DIVAC ‘in-house’ systeem”, (in Dutch),
Tijdschrift van het NERG, Vol. 48, no. 5/6, 1983, pp. 185-188.
- 1.14 W. van Etten and P. van de Mortel,
“Pulse broadening in optical fibers due to modecoupling and material dispersion”,
Archiv für Elektronik und Übertragungstechnik, Vol. 37, no. 11/12, 1983, pp. 339-401.
- 1.15 W. van Etten, W. Lambo and P. Simons,
“Loss in multimode fiber connections with a gap”,
Applied Optics, Vol. 24, no. 7, 1 April 1985, pp. 970-976.
- 1.16 W. van Etten,
“Comment on ‘Performance of baseband digital data transmission in nonlinear channels with memory’”,
IEEE Trans. on Communications, Vol. COM 34, no. 5, May 1986, pp. 491-492.
- 1.17 F. Budé and W. van Etten,
“Attenuation and interference in multimode fiber connections”,
Applied Optics, Vol. 26, no. 7, 1 April 1987, pp. 1158-1161.
- 1.18 W. van Etten,
“Distance determination by means of accurate, periodic time interval measurement”,
IEEE Trans. on Instrumentation and Measurement, Vol. 37, no. 1, March 1988, pp. 155-157.
- 1.19 W. van Etten,
“Coupling of LED light into a single mode fiber”,
Journal of Optical Communications, Vol. 9, no. 3, 1988, pp. 100-101.
- 1.20 J. Siuzdak and W. van Etten,
“BER evaluation for phase and polarization diversity optical homodyne receivers using non coherent ASK and DPSK demodulation”,
IEEE/OSA Journal of Lightwave Technology, Vol. 7, no. 4, April 1989, pp. 584-599.

- 1.21 J. Siuzdak and W. van Etten,
“Heterodyne ASK multiport optical receivers using postdetection filtering”,
IEEE/OSA Journal of Lightwave Technology, Vol. 8, no. 1, January 1990, pp. 71-77.
- 1.22 W. van Etten,
“Coherent optical fibre communication”,
Tijdschrift van het NERG, Vol. 55, no. 3, 1990, pp. 89-97.
- 1.23 J. Siuzdak and W. van Etten,
“BER performance evaluation for CPFSK phase and polarization diversity coherent optical receivers”,
IEEE/OSA Journal of Lightwave Technology, Vol. 9, no. 11, November 1991, pp. 1583-1592.
- 1.24 W. van Etten,
“Optimum bit-by-bit receiver for data transmitted over nonlinear channels”,
Archiv für Elektronik und Übertragungstechnik, Vol. 47, no. 2, March 1993, pp. 85-90.
- 1.25 W. van Etten,
“Systeemaspecten van de optisch coherente CPFSK polarization-diversity transceiver”, (in Dutch),
Nederlands Tijdschrift voor Fotonica, Vol. 19, no. 6, 1993, pp. 9-12.
- 1.26 R. van der Vleuten, W. van Etten and H. van den Boom,
“Optimal controlled ALOHA for two way data communication in a cable television network”,
IEEE Transactions on Communications, Vol. 42, no. 7, July 1994, pp. 2453-2459.
- 1.27 P. van Bennekom, E. van der Put, W. van Etten and H. van den Boom,
“Digitally generated CPFSK IF test signals including phase noise”,
IEEE Photonics Technology Letters, Vol. 7, no. 7, July 1995, pp. 801-803.
- 1.28 W. van Etten,
“Fundamentals of wavelength division multiplex optical communication networks”,
Tijdschrift van het NERG, Vol. 61, no. 2, 1996, pp. 73-80.
- 1.29 E. van der Put, H. van den Boom and W. van Etten,
“Frequency spectra in an optical CPFSK heterodyne delay demodulating receiver using Manchester coding”,
Journal of Optical Communications, Vol. 17, no. 3, June 1996, pp. 82-88.
- 1.30 C. Lennartz, W. van Etten, T. van Osch and F. Huijskens,
“Laser spectra measured with the recirculating self heterodyne technique”,
Journal of Optical Communications, Vol. 17, no. 4, August 1996, pp. 138-146.

- 1.31 W. van Etten,
“Infrastructure for the electronic highway”,
Tijdschrift van het NERG, Vol. 61, no. 3, 1996, pp. 117-123.
- 1.32 H.L.M. Heideman, R.W. Brink and W. van Etten,
“De condensator-impedantie nader beschouwd”, (in Dutch),
Tijdschrift van het NERG, Vol. 64, no. 4, 1999, pp. 162-169.
- 1.33 D. Remondo, R. Srinivasan, V.F. Nicola, W. van Etten and H.E.P. Tattje,
“Adaptive Importance Sampling for Performance Evaluation and Parameter Optimization of Communication Systems”,
IEEE Transactions on Communications, Vol. 48, no. 4, 2000, pp. 557-565.
- 1.34 B. Tian, W. van Etten and W.A.M. Beuwer,
“Ultrafast All-Optical Shift Register and Its Perspective Application for Optical Fast Packet Switching”,
IEEE Journal of Selected Topics in Quantum Electronics, Vol. 8, no. 3, 2002, pp. 722-728.
- 1.35 F.B.J. Leferink, D.J. Groot Boerle, J. Lefebvre, J.C. Boudenot, G.H.L.M. Heideman and W. van Etten,
“Mesure in-situ de perturbations electromagnetique a l'aide d'une chambre vibrante intrinsiquement reverberante”,
Revue de l'Electricité et de l'Electronique, Vol. 1, 2002, pp. 87-93.
- 1.36 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“Performance Evaluation of an OOK Coherence Multiplex Receiver Based on 4x4 Phase Diversity Detection”,
Tijdschrift van het NERG, Vol. 67, no. 3, 2002, pp. 113-116.
- 1.37 H. Roelofs, R. Srinivasan and W. van Etten,
“Performance estimation of M -ary PSK in co-channel interference using fast simulation”,
IEE Proceedings-Communications, Vol. 150, no. 5, October 2003, pp. 335-340.
- 1.38 I. Radovanovic and W. van Etten,
“Ethernet Based Passive Optical Local Area Networks for Fiber-to-the-Desk Application”,
IEEE/OSA Journal of Lightwave Technology, Vol. 21, no. 11, 2003, pp. 2534-2545.
- 1.39 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“Balanced optical phase diversity receivers for coherence multiplexing”,
IEEE/OSA Journal of Lightwave Technology, Vol. 22, no. 11, 2004, pp. 2393-2408.
- 1.40 W. van Etten,
“Stabilization of coherence multiplex output by applying the phase diversity scheme”,
Journal of Optical Communications, Vol. 27, no. 5, 2006, pp. 282-286.

- 1.41 L. Zhuang, C.G.H. Roeloffzen, R.G. Heideman, A. Borreman, A. Meijerink and W. van Etten,
“Single-chip ring resonator-based 1x8 optical beam forming network in CMOS-compatible waveguide technology”,
IEEE Photonics Technology Letters, Vol. 19, no. 15, 2007, pp. 1130-1132.
- 1.42 A. Meijerink, R.O. Taniman, G.H.L.M. Heideman and W. van Etten,
“Coherence Multiplex System Topologies”,
IEEE Journal of Selected Topics in Quantum Electronics, Vol. 13, no. 5 part 2, 2007, pp. 1433-1445.
- 1.43 A. Meijerink, R.O. Taniman and W. van Etten,
“Coherence-Multiplexed Optical RF Feeder Networks”,
IEEE/OSA Journal of Lightwave Technology, Vol. 25, no. 11, 2007, pp. 3396-3406.
- 1.44 A. Meijerink, C.G.H. Roeloffzen, L. Zhuang, D.A.I. Marpaung, R.G. Heideman, A. Borreman and W. van Etten,
“Optical beam forming for phased-array antennas”,
Fotonica Magazine, Vol. 31, no. 4, 2007 pp. 5-9.
- 1.45 R. Roy, G. Manhoudt and W. van Etten,
“Optical router-based dynamically reconfigurable photonic access network”,
Journal of Optical Networking, Vol. 8, no. 1, 2009, pp. 51-76.
- 1.46 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
“Enhanced dynamic range in a directly modulated analog photonic link”
IEEE Photonics Technology Letters, Vol. 21, no. 24, 2009, pp. 810-812.
- 1.47 A. Meijerink, C.G.H. Roeloffzen, R. Meijerink, L. Zhuang, D.A.I. Marpaung, M.J. Bentum, M. Burla, J. Verpoorte, P. Jorna, A. Huizinga and W. van Etten,
“Novel ring resonator-based integrated photonic beamformer for broadband phased array receive antennas - part I: design and performance analysis”,
IEEE/OSA Journal of Lightwave Technology, Vol. 28, no. 1, 2010, pp. 3-18.
- 1.48 L. Zhuang, C.G.H. Roeloffzen, A. Meijerink, M. Burla, D.A.I. Marpaung, A. Leinse, M. Hoekman, R.G. Heideman and W. van Etten,
“Novel ring resonator-based integrated photonic beamformer for broadband phased array receive antennas - part II: experimental prototype”,
IEEE/OSA Journal of Lightwave Technology, Vol. 28, no. 1, 2010, pp. 19-31.

2 Books and book chapters

- 2.1 W. van Etten,
Synchronous digital transmission over multiple channel systems,
PhD Thesis, Eindhoven University of Technology, May 1976.
- 2.2 W. van Etten,
“Recente ontwikkelingen in de telecommunicatietechniek, met name op het gebied van glasvezels”, (in Dutch),
Jaarboek over 1984 bij de Grote Nederlandse Larousse Encyclopedie, pp. 266-267.
Utrecht: Oosthoek; Hasselt: Heideland Orbis.
- 2.3 W. van Etten and J. van der Plaats,
Fundamentals of Optical Fiber Communications,
London: Prentice Hall, 1991.
- 2.4 W. van Etten and W. Beuwer, editors,
Proceedings IEEE Workshop on “ATM over fibre and wireless networks”,
Enschede, Netherlands, May, 1996.
- 2.5 W. van Etten and H.E.P. Tattje, editors,
Proceedings IEEE Fifth Symposium on Communications and Vehicular Technology in the Benelux,
Enschede, Netherlands, 1997.
- 2.6 W. van Etten, editor,
Proceedings IEEE VTC99 Fall, Volumes 1-5,
Amsterdam, Netherlands, 1999.
- 2.7 W. van Etten and J. van der Plaats,
Principles of Optical Fiber Communications,
Enschede: Twente University Press, 2000.
- 2.8 W. van Etten,
Random Signals and Noise,
Wiley, August 2005.
- 2.9 W. van Etten,
“An optimum linear receiver for multiple channel digital transmission systems”.
In: *The Best of the Best*, John Wiley, 2007, ISBN 9780470112687, pp. 313-319.
- 2.10 W. van Etten,
“Maximum likelihood receiver for multiple channel transmission systems”.
In: *The Best of the Best*, John Wiley, 2007, ISBN 9780470112687, pp. 305-312.

3 Conference papers

- 3.1 W. van Etten and H. van den Boom,
“Fused biconical taper optical fibre couplers”,
Proceedings of the Sensors and Actuators Symposium, Nov. 1990, pp. 213-216; Deventer: Kluwer, 1990.
- 3.2 L.B. Soldano, M. Smit, A.H. de Vreede, J.W.M. van Uffelen, B.H. Verbeek, P. van Bennekom, W.H.C. de Krom and W. van Etten,
“New all passive 4x4 planar optical phase diversity network”,
Proceedings ECOC/IOOC 91, Paris, September 1991, Post deadline papers, pp. 96-99.
- 3.3 H. Tattje and W. van Etten,
“BER calculation of the optical coherent DPOLSK receiver based on Gaussian approximation of the pdf’s”,
Proceedings IEEE Third Symposium on Communications and Vehicular Technology in the Benelux, Eindhoven, 25-26 October 1995, pp.174-179.
- 3.4 D. Remondo, W. van Etten, V. Nicola and H. Tattje,
“Application of importance sampling to the performance evaluation of mobile communication systems”,
Proceedings IEEE Fourth Symposium on Communications and Vehicular Technology in the Benelux, Gent, Belgium, 7-8 October 1996, pp. 49-56.
- 3.5 H.P.A. van den Boom, W. van Etten, P.K. van Bennekom, F.M. Huijskens, L.J.P. Niessen and F.A.J. de Leyen,
“Polarization Diversity Transceiver for a Multi-access Optical Coherent Network”,
Proceedings of the 1996 IEEE/LEOS Symposium Benelux Chapter, Enschede, Netherlands, 1996, pp. 144-147.
- 3.6 H.P.A. van den Boom, G.D. Khoe and W. van Etten,
“A Full-duplex Single Laser Transceiver Using Subcarrier Multiplexing for an Optical Multi-carrier Network”,
Proceedings of the 1996 IEEE/LEOS Symposium Benelux Chapter, Enschede, Netherlands, 1996, pp. 160-163.
- 3.7 F.M. Huijskens, F.J.C. Quaedackers, H.P.A. van den Boom and W. van Etten,
“Long-term Stability of Fibre-chip Connection and Packaging and Fibre-array Upgrade”,
Proceedings of the 1996 IEEE/LEOS Symposium Benelux Chapter, Enschede, Netherlands, 1996, pp. 164-167.

- 3.8 E. Kersten, G.H.L.M. Heideman and W. van Etten,
“Coherence multiplexing using differential detection”,
Proceedings of the 1997 IEEE/LEOS Symposium Benelux Chapter, Eindhoven, Netherlands,
1997, pp. 165-168.
- 3.9 D. Remondo Bueno, J.M. Rijnders, W. van Etten and A.C. van Bochove,
“Analysis of the timing jitter induced power penalty of an optical gate used as OTDM channel demultiplexer”,
IEEE Fifth Symposium on Communications and Vehicular Technology in the Benelux, Enschede, Netherlands, 1997, pp. 137-142.
- 3.10 W.A.M. Beuwer and W. van Etten,
“Accurate measurement of laser spectra for use in coherence multiplexing systems”,
IEEE Fifth Symposium on Communications and Vehicular Technology in the Benelux, Enschede, Netherlands, 1997, pp. 149-155.
- 3.11 H.P.A. van den Boom, W. van Etten, F.M. Huijskens, G.D. Khoe and P.K. van Bennekom,
“Polarization diversity CPFSK transceiver for a multi-access optical coherent network”,
Int. Conf. on HPCN challenges in telecomp and telecom: Parallel simulation of complex systems and large-scale applications, 1998, pp. 135-136.
- 3.12 A.M. Beuwer, W. van Etten, E.V. Bos and H.J. Siebum,
“Preliminary measurement results of a prototype of a coherence multiplex system”,
Proceedings of the 1998 IEEE/LEOS Symposium Benelux Chapter, Gent, Belgium, 1998,
pp. 29-32.
- 3.13 D. Remondo Bueno, R. Srinivasan, V.F. Nicola, W. van Etten and H.E.P. Tattje,
“Performance Evaluation of Wavelength Division Multiplexing Networks Impaired by Crosstalk”,
IEEE Sixth Symposium on Vehicular Technology and Communications in the Benelux, Brussels, Belgium, 1998.
- 3.14 D. Remondo Bueno, R. Srinivasan, V.F. Nicola, W. van Etten and H.E.P. Tattje,
“Performance Evaluation and Parameter Optimization of Wavelength Division Multiplexing Networks with Importance Sampling Techniques”,
IEEE Global Telecommunications, Sydney, 1998.
- 3.15 D. Remondo Bueno, R. Srinivasan, V.F. Nicola, W. van Etten and H.E.P. Tattje,
“Impact of Crosstalk on the Performance of an optical Cross-Connect Considering Finite Extinction Ratio”,
International Conference on Applications of Photonic Technology, Ottawa, 1998.

- 3.16 W. van Etten,
“Infrastructure for public networks”,
Seminar Engineering Problems in Networking and Multi-Media Applications, Essen, Germany, 9-11 Dec.1998.
- 3.17 W. van Etten,
“Optical Multiplex methods”,
Seminar Engineering Problems in Networking and Multi-Media Applications, Essen, Germany, 9-11 Dec. 1998.
- 3.18 W. van Etten,
“Wavelength Division Multiplexing”,
Seminar Engineering Problems in Networking and Multi-Media Applications, Essen, Germany, 9-11 Dec. 1998.
- 3.19 B. Tian, W. van Etten and W. Beuwer,
“Two-lens coupling system for real laser beams”,
Poceedings 1999 Fourth Annual Symposium of the IEEE/LEOS Benelux Chapter, 15 November, 1999, Mons, Belgium, pp. 163-166.
- 3.20 B. Tian, W. van Etten and W.A.M. Beuwer,
“A Ggigabit All-optical Shift Register for Photonic Fast Packet Switches”,
OptiComm 2000, Dallas, USA, 2000, pp. 1-4.
- 3.21 B. Tian, W. van Etten and W.A.M. Beuwer,
“A Gigabit All-optical Shift Register and it's Perspective Application for Photonic Fast Packet Switches”,
Proceedings of the IEEE Global Communication Conference 2000, San Francisco, USA, 2000, pp. 1201-1204.
- 3.22 I. Radovanovic, W. van Etten and W.A.M. Beuwer,
“New passive Optical Network Architectures for fiber-to-desk application”,
Proceedings of the 2000 IEEE/LEOS Symposium Benelux Chapter, Delft, Netherlands, 2000, pp. 259-262.
- 3.23 B. Tian, W. van Etten and W.A.M. Beuwer,
“Performance, Improvement and Perspective Application of an All-optical Shift Register”,
Proceedings of the International Conference on Communication Technology ICCT 2000, Beijing, China, 2000, pp. 1554-1556.

- 3.24 F. Leferink, J.C. Boudenot and W. van Etten,
“Experimental Results Obtained in the Vibrating Intrinsic Reverberation Chamber”,
IEEE International Symposium on Electromagnetic Compatibility, Washington, USA, 2000,
pp. 639-644.
- 3.25 F.B.J. Leferink and W. van Etten,
“Optimal Utilization of a Reverberation Chamber”,
EMC Europe 2000, 4th European Symposium on Electromagnetic Compatibility, Brugge,
Belgium, 2000, pp. 201-206.
- 3.26 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“A Generalization of a Coherence Multiplex System”,
IEEE Symposium on Communications and Vehicular Technology, Leuven, Belgium, 2000,
pp. 6-13.
- 3.27 F.B.J. Leferink, D.J. Groot Boerle, F. Sogtoen, G.H.L.M. Heideman and W. van Etten,
“In-situ EMI Measurements using a Vibrating Intrinsic Reverberation Chamber”,
14th International Symposium and Technical Exhibition on Electromagnetic Compatibility,
Zurich, Switzerland, 2001, pp. 653-658.
- 3.28 B. Tian, W. van Etten and W.A.M. Beuwer,
“Improved Ultra Fast All-optical Shift Register and it’s Application for All-optical Fast
Packet Switch”,
Proceedings of WOCSDICE, Sarinia, Italie, 2001, pp. 93-94.
- 3.29 B. Tian, W. van Etten and W.A.M. Beuwer,
“An ultra-fast optical header replacement technology and its application for broadband opti-
cal packet switch”,
Proceedings of the 2001 IEEE/LEOS Symposium Benelux Chapter, Brussel, Belgium, 2001,
pp. 173-176.
- 3.30 J. Lefebvre, J.C. Boudenot, F.B.J. Leferink, D.J. Groot Boerle, W. van Etten and G.H.L.M.
Heideman,
“High field in-situ IME Measurements using a Vibrating Intrinsic Reverberation Chamber”,
European Test and Telemetry Conference, Marseille, France, 2001.
- 3.31 J. Thijs, J.C. Haartsen, R. Srinivasan and W. van Etten,
“Optimizing cell capacity for cellular systems”,
IEEE Symposium on Communications and Vehicular Technology, Delft, Netherlands, 2001,
pp. 30-35.

- 3.32 I. Radovanovic, W. van Etten and L. Bakker,
“Improvement in design of Mach-Zehnder en/decoder for implementing new orthogonal codes in OCDMA systems”,
IEEE Symposium on Communications and Vehicular Technology, Delft, Netherlands, 2001, pp. 234-236.
- 3.33 F.B.J. Leferink and W. van Etten,
“The Vibrating Intrinsic Reverberation Chamber”,
Thales Technology Conference, Paris, France, 2001.
- 3.34 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“Generalization and performance improvement of a coherence multiplexing system”,
Proceedings of the 22nd Symposium on Information and Communication Theory in the Benelux, Enschede, Netherlands, 2001, pp. 59-66.
- 3.35 F.B.J. Leferink and W. van Etten,
“Generating an EMC test field using a vibrating intrinsic Reveberation Chamber”,
IEEE Electromagnetic Compatibility Society Newsletter, 2001, pp. 19-25.
- 3.36 W. van Etten and A. Meijerink,
“Optical stabilization of coherence multiplex output signal by means of a phase diversity network”,
Proceedings of the 2001 Symposium of the IEEE/LEOS Benelux Chapter, Brussels, Belgium, Dec. 2001, pp. 149-152.
- 3.37 I. Radovanovic, W. van Etten and L. Bakker,
“Cascaded Mach-Zehnder encoder for spectrally encoded optical CDMA systems”,
Proceedings of the 2001 Symposium of the IEEE/LEOS Benelux Chapter, Brussels, Belgium, Dec. 2001, pp. 213-216.
- 3.38 G. Hilverda, F.B.J. Leferink, D.J. Groot Boerle and W. van Etten,
“Correlation between Simulated and Measured Radiated Electromagnetic Fields in Different Test Environments”,
International Symposium on EMC, Sorrento, Italy, 2002, pp. 625-630.
- 3.39 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“M-ary (D)PSK modulation in coherence multiplex systems”,
Proceedings of the 2002 Symposium of the IEEE/LEOS Benelux Chapter, Amsterdam, Netherlands, 2002, pp. 207-210.

- 3.40 B. Tian, W. van Etten and W.A.M. Beuwer,
“An ultra fast optical header processing technology based on Self Electro-optic Effect Devices and its application for optical fast packet switch”,
Proceedings International Topical Meeting on Photonics in Switching, Cheju Island, Korea, 2002, pp. 75-77.
- 3.41 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“BER Analysis of a DPSK Phase Diversity Receiver for Coherence Multiplexing”,
Proceedings of the 23rd Symposium on Information and Communication Theory in the Benelux, Louvain-la-Neuve, Belgium, 2002, pp. 269-276.
- 3.42 F.B.J. Leferink, Saverio Lerose, Michel Sauvageot and W. van Etten,
“The four key elements of EMC implementation in large organizations”,
International Symposium on EMC, Sorrento, Italy, 2002, pp. 619-624.
- 3.43 A. Meijerink, G.H.L.M. Heideman and W. van Etten,
“Performance Evaluation of an OOK Coherence Multiplex Receiver based on 4x4 Phase Diversity Detection”,
Proceedings of the XXVIIth URSI General Assembly, Maastricht, Netherlands, 2002, pp. 113-116.
- 3.44 I. Radovanovic, G.H.L.M. Heideman, H. Siasi, A. Meijerink and W. van Etten,
“Addressable Spectrally Encoded Optical CDMA System for Application in Access and Local Area Networks”,
Proceedings of the XXVIIth URSI General Assembly, Maastricht, Netherlands, 2002, pp. 1047-1051.
- 3.45 I. Radovanovic and W. van Etten,
“Performance comparison of the cascaded MZI based OCDMA system using multimode and singlemode fibers”,
Proceedings of the 2002 Symposium of the IEEE/LEOS Benelux Chapter, Amsterdam, Netherlands, 2002, pp. 238-241.
- 3.46 I. Radovanovic and W. van Etten,
“Dispersion Penalties in Optical Access and Local Area Networks based on MM Fibers”,
IEEE Symposium on Communications and Vehicular Technology, Louvain-la-Neuve, Belgium, 2002, pp. 65-72.
- 3.47 I. Radovanovic and W. van Etten,
“New Ethernet Based Optically Transparent Network for Fiber-to-the-Desk Application”,
Proceedings 5th International Conference on Transparent Optical Networks, Warsaw, Poland, 2003, Vol. 3, pp. 189-192.

- 3.48 F.B.J. Leferink and W. van Etten,
“Estimation of printed circuit board ground plane net partial inductance via noise voltage measurements”,
IEEE International Symposium on Electromagnetic Compatibility, 2003, pp. 242-247.
- 3.49 F.B.J. Leferink, G. Hilverda, D.G. Boerle and W. van Etten,
“Radiated electromagnetic fields of actual devices measured in different test environments”,
IEEE International Symposium on Electromagnetic Compatibility, 2003, pp. 558-563.
- 3.50 I. Radovanovic, W. van Etten, R.O. Taniman and R. Kleinkiskamp,
“Novel Ethernet Based Optical Local Area Networks for Computer Interconnection”,
Proceedings 28th Conference on Local Computer Networks LCN 2003, Bonn/Köningswinter, Germany, 20-24 October 2003, pp.168-177.
- 3.51 R. Taniman, A. Meijerink, W. van Etten and J. Haartsen,
“Indoor RF signal distribution using a coherence multiplexed/subcarrier multiplexed optical transmission system”,
Proceedings of the 10th Symposium on Communications and Vehicular Technology in the Benelux SCVT 2003, Eindhoven, Netherlands, November 13, 2003. (on CD Rom)
- 3.52 A. Meijerink, N. Niëns, G. Heideman and W. van Etten,
“Chromatic fiber dispersion in single-mode coherence multiplex systems and its impact on digital transmission”,
Proceedings of the 10th Symposium on Communications and Vehicular Technology in the Benelux SCVT 2003, Eindhoven, Netherlands, November 13, 2003. (on CD Rom)
- 3.53 A. Meijerink, R.O. Taniman, G.H.L.M. Heideman and W. van Etten,
“Comparison of three coherence multiplex system topologies”,
Proceedings IEEE/LEOS Benelux Chapter Annual Symposium 2003, University of Twente, Enschede, November 20-21, 2003, pp. 141-144.
- 3.54 I. Radovanovic and W. van Etten,
”Optically transparent 10 gigabit Ethernet networks for fiber-to-the-desk application”,
Proceedings of 6th IEEE International Conference on Transparent Optical Networks (ICTON 2004), Wroclaw, Poland, July 2004, Vol. 2, pp. 29-32.
- 3.55 F.B.J. Leferink and W. van Etten,
”Reduction of Radiated Electromagnetic Fields by removing Power Planes”,
Proceedings of IEEE International Symposium on EMC, Santa Clara, CA, USA, August 9-13, 2004, pp. 226-230.

- 3.56 F.B.J. Leferink, H. Bergsma, A. Ferreira and W. van Etten,
“High Performance EMI Filter for Frequency Converters”,
Proceedings of EMC Europe 2004, Eindhoven, The Netherlands, September 9-13, 2004, pp.
630-632.
- 3.57 F.B.J. Leferink and W. van Etten,
“The Beneficial Effect of Removing Power Planes on the Radiated Emission of Printed Circuit Boards”,
Proceedings of EMC Europe 2004, Eindhoven, The Netherlands, September 9-13, 2004, pp.
367-371.
- 3.58 W.-J. van der Wurff, L. Duerink, H. Schurer, F.B.J. Leferink and W. van Etten,
“Interference of WLAN and Bluetooth in EM-Hostile Environments”,
Proceedings of EMC Europe 2004, Eindhoven, The Netherlands, September 9-13, 2004, pp.
234-239.
- 3.59 W.-J. van der Wurff, L. Duerink, H. Schurer, F.B.J. Leferink and W. van Etten,
“Wireless LAN and Bluetooth in Highly Reflecting Environments”,
Proceedings of EMC Europe 2004, Eindhoven, The Netherlands, September 9-13, 2004, pp.
256-261.
- 3.60 D. Zhao, J. van Duijn, F.B.J. Leferink and W. van Etten,
“EMI Synthesis and Preventive Methods for PWM Driven DC Motors”,
Proceedings of EMC Europe 2004, Eindhoven, The Netherlands, September 9-13, 2004, pp.
821-826.
- 3.61 R.A.H. Maassen, W. van Etten, C.G.H. Roeloffzen and R. Srinivasan,
“Influence of polarization mode dispersion on RF signals generated by heterodyning two optical waves”
Proceedings of 11th Symposium on Communications and Vehicular Technology in the Benelux (SCVT 2004), Gent, Belgium, November 9, 2004, (on CD: ISBN 90-809010-1-6).
- 3.62 R.J. Blokpoel, A. Meijerink and W. van Etten,
“Traffic control in coherence-multiplexed networks”,
Proceedings of the 12th Symposium on Communications and Vehicular Technology in the Benelux, Enschede, University of Twente, the Netherlands, 3 November 2005.
- 3.63 L. Zhuang, C.G.H. Roeloffzen and W. van Etten,
“Continuously tunable optical delay line”,
Proceedings of the 12th Symposium on Communications and Vehicular Technology in the Benelux, Enschede, University of Twente, the Netherlands, 3 November 2005.

- 3.64 C.G.H. Roeloffzen, L. Zhuang, R.G. Heideman, A. Borreman and W. van Etten,
"Ring resonator-based Tunable Optical Delay Line in LPCVD Waveguide Technology",
Proceedings of the 10th Annual Symposium IEEE/LEOS Benelux, 1-2 Dec. 2005, Mons,
Belgium, pp. 79-82.
- 3.65 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
"A novel modulation scheme for noise reduction in analog optical fiber links",
Proceedings of the 10th Annual Symposium IEEE/LEOS Benelux, 1-2 Dec. 2005, Mons,
Belgium, pp. 113-116.
- 3.66 F.B.J. Leferink and W. van Etten,
"Power tracks instead of planes to reduce radiated electromagnetic fields",
Proceedings of 17th International Zurich Symposium on Electromagnetic Compatibility, 27
Febr.-3 March 2006, Singapore, pp. 371-374.
- 3.67 F.B.J. Leferink, H. Bergsma and W. van Etten,
"Shielding Effectiveness Measurements using a Reverberation Chamber",
Proceedings of 17th International Zurich Symposium on Electromagnetic Compatibility, 27
Febr.-3 March 2006, Singapore, pp. 505-508.
- 3.68 L. Zhuang, C.G.H. Roeloffzen and W. van Etten,
"Ring resonator-based continuously tunable optical delay line",
Proceedings of the URSI Benelux Meeting, 12 May 2006, Eindhoven, the Netherlands, p.
23.
- 3.69 A. Meijerink, R.O. Taniman and W. van Etten,
"A coherence multiplexed optical RF feeder network",
Proceedings of the URSI Benelux 2006, 12 May 2006, Eindhoven, the Netherlands, p.15.
- 3.70 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
"A novel modulation scheme for noise reduction in analog fiber optic links"
Proceedings of the URSI Benelux Meeting 2006, 12 May 2006, Eindhoven, The Netherlands,
p. 13.
- 3.71 R. Roy, G. Manhoudt, C.G.H. Roeloffzen and W. van Etten,
"Control and management scheme in a DWDM EPON",
Proceedings of 8th International Conference on Transparent Optical Networks ICTON 2006,
18-22 June 2006, Nottingham, England, pp. 151-154.

- 3.72 L. Zhuang, C.G.H. Roeloffzen, R.G. Heideman, A. Borreman, A. Meijerink and W. van Etten,
“Single-chip optical beam forming network in LPCVD waveguide technology based on optical ring resonators”,
Proceedings of the International Topical Meeting on Microwave Photonics (MWP’2006),
3-6 Oct. 2006, Grenoble, France, Paper F1.4.
- 3.73 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
“Dynamic Range Enhancement in Analog Optical Links with a Balanced Modulation and Detection Scheme”,
Proceedings of the International Topical Meeting on Microwave Photonics (MWP’2006),
3-6 Oct. 2006, Grenoble, France.
- 3.74 A. Meijerink, C.G.H. Roeloffzen, L. Zhuang, D.A.I. Marpaung, R.G. Heideman, A. Borreman and W. van Etten,
“Phased Array Antenna Steering Using a Ring Resonator-Based Optical Beam Forming Network”,
Proceedings of the 13th Annual Symposium of the IEEE/CVT Benelux Chapter, 23 Nov. 2006, Liège, Belgium, pp. 7-12.
- 3.75 L. Zhuang, C.G.H. Roeloffzen, R.G. Heideman, A. Borreman, A. Meijerink and W. van Etten,
“Ring resonator-based single-chip 1x8 optical beam forming network in LPCVD waveguide technology”,
11th Annual Symposium IEEE/LEOS Benelux, 30 Nov.-1 Dec. 2006, Eindhoven, the Netherlands, pp. 45-48.
- 3.76 R. Roy, C.G.H. Roeloffzen and W. van Etten,
“Switched DWDM Ethernet passive optical networks”,
11th Annual Symposium IEEE/LEOS Benelux, 30 Nov.-1 Dec. 2006, Eindhoven, the Netherlands, pp. 169-172.
- 3.77 A. Meijerink, C.G.H. Roeloffzen, L. Zhuang, D.A.I. Marpaung, A. Borreman, R.G. Heideman and W. van Etten,
“Optische bundelvormer voor breedbandige phased array antennes”, (in Dutch),
Fotonica Evenement 2007, 3 Apr 2007, The Hague, The Netherlands, pp. 7.20-7.20.

- 3.78 R.G. Heideman, D.H. Geuzebroek, A. Leinse, A. Melloni, F. Morichetti, C.G.H. Roeloffzen, A. Meijerink, L. Zhuang, W. van Etten, E.J. Klein and A. Driesssen, "Low loss, high contrast optical waveguides based on CMOS compatible LPCVD processing", *Proceedings European Conference on Integrated Optics (ECIO)*, 27-28 April 2007, Copenhagen, Denmark. WB0-42. Technical University of Denmark.
- 3.79 R. Roy, G. Manhoudt and W. van Etten, "Performance characterization of a multi-wavelength Photonic Access Network with a use case scenario", *Proceedings of the 12-th European Conference on Networks and Optical Communications*, 19-21 June, 2007, Stockholm, Sweden.
- 3.80 R. Roy, G. Manhoudt and W. van Etten, "Bandwidth re-distribution techniques for extended EPON based multi-wavelength networks", *Proceedings 9th IEEE International Conference on Transparent Optical Networks, ICTON 2007*, 1-5 July 2007, Rome, Italy, pp. 80-83.
- 3.81 R. Roy and W. van Etten, "Design of a survivable multi-wavelength photonic access network", *Second IEEE International Conference on Access Networks*, 22-24 August 2007, Ottawa, Canada, pp. 1-6.
- 3.82 L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, J. Peña Hevilla, W. van Etten, R.G. Heideman, A. Leinse and M. Hoekman, "Phased array receive antenna steering system using a ring resonator-based optical beam forming network and filter-based optical SSB-SC modulation", *Proceedings of the International Topical Meeting on Microwave Photonics (MWP'2007)*, 3-5 Oct. 2007, Victoria, BC Canada, pp. 88-91.
- 3.83 L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, R.G. Heideman, M. Hoekman, A. Borreman, D.H. Geuzebroek, A. and Leinse and W. van Etten, "Experimental prototype of a novel ring resonator-based optical beamformer system", *Proceedings of the LEOS Annual Meeting*, 21-25 Oct. 2007, Lake Buena Vista, Florida, USA, pp. 112-113.
- 3.84 R. Meijerink, A. Meijerink, D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten, "Performance study of a ring resonator-based optical beam forming system for phased array receive antennas", *Proceedings of the 14th Symposium on Communications and Vehicular Technology in the Benelux*, 15 Nov. 2007, Delft, the Netherlands, pp. 1-5.

- 3.85 L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, R.G. Heideman, M. Hoekman, A. Borreman, A. Leinse and W. van Etten,
"Novel ring resonator-based optical beamformer system and experimental results",
12th Annual Symposium IEEE/LEOS Benelux, 17-18 Dec. 2007, Brussels, Belgium, pp. 239-242.
- 3.86 R. Roy and W. van Etten,
"Provision of metro Ethernet services using a reconfigurable photonic access network",
12th Annual Symposium IEEE/LEOS Benelux, 17-18 Dec. 2007, Brussels, Belgium, pp. 135-138.
- 3.87 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
"Characterization of a Balanced Modulation and Detection Analog Optical Link",
12th Annual Symposium IEEE/LEOS Benelux, 17-18 Dec. 2007, Brussels, Belgium, pp. 255-258.
- 3.88 R.J. Blokpoel, A. Meijerink, L. Zhuang, C.G.H. Roeloffzen and W. van Etten,
"Staggered delay tuning algorithms for ring resonators in optical beam forming networks",
12th Annual Symposium IEEE/LEOS Benelux, 17-18 Dec. 2007, Brussels, Belgium, pp. 243-246.
- 3.89 H. Schippers, J. Verpoorte, P. Jorna, A. Hulzinga, A. Meijerink, C.G.H. Roeloffzen, L. Zhuang, D.A.I. Marpaung, W. van Etten, R.G. Heideman, A. Leinse, A. Borreman, M. Hoekman and M. Wintels,
"Broadband conformal phased array with optical beam forming for airborne satellite communication",
Proceedings of IEEE Aerospace Conference 2008, 1-8 Mar. 2008, Montana, USA, pp. 1-17.
IEEE
- 3.90 A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, L. Zhuang, W. van Etten, A. Leinse, M. Hoekman and R.G. Heideman,
"RF photonics technology for phased array antenna applications",
Fotonica Evenement 2008, 2 April 2008, Nieuwegein, Netherlands.
- 3.91 J.W. van 't Klooster, C.G.H. Roeloffzen, A. Meijerink, L. Zhuang, D.A.I. Marpaung, W. van Etten, R.G. Heideman, A. Leinse, H. Schippers, J. Verpoorte and M. Wintels,
"Design of a ring resonator-based optical beam forming network for phased array receive antennas",
Proceedings of 30th ESA Antenna Workshop on Antennas for Earth Observation, Science, Telecommunication and Navigation Space Missions, 27-30 May 2008, ESA/ESTEC, Noordwijk, the Netherlands, pp. 403-406.

- 3.92 H. Schippers, J. Verpoorte, P. Jorna, A. Hulzinga, A. Meijerink, C.G.H. Roeloffzen, L. Zhuang, D.A.I. Marpaung, W. van Etten, R.G. Heideman, A. Leinse, A. Borreman, M. Hoekman and M. Wintels,
"Dual-frequency phased array antennas with optical beamforming for airborne satellite communication",
30th ESA Antenna Workshop on Antennas for Earth Observation, 27-30 May 2008, Noordwijk, The Netherlands, pp. 419-422.
- 3.93 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
"A broadband high dynamic range analog photonic link using push-pull directly-modulated semiconductor lasers",
Proceedings of 2008 IEEE MTT-S International Microwave Symposium, 15-20 June 2008, Atlanta, Georgia, U.S.A., pp. 507-510.
- 3.94 R. Teune, R. Roy and W. van Etten,
"Demonstration of IP based control and management for a reconfigurable photonic access network",
10th IEEE International Conference on Transparent Optical Networks, ICTON 2008, 22-26 June 2008, Athens, Greece, pp. 145-148.
- 3.95 R. Roy and W. van Etten,
"Case for Dynamic Reconfigurability in Access Networks",
3th International Conference on Access Networks, 15-17 October, 2008, Las Vegas, USA.
- 3.96 R. Roy, G. Manhoudt and W. van Etten,
"Service delivery aspects in a reconfigurable photonic access network",
13th European Conference on Networks, Optical Communications, Optical Cabling and Infrastructure, 1-4 July 2008, Krems, Austria.
- 3.97 C.G.H. Roeloffzen, A. Meijerink, L. Zhuang, R.G. Heideman, A. Leinse, M. Hoekman and W. van Etten,
"Integrated photonic beamformer employing continuously tunable ring resonator-based delays in cmos-compatible lpcvd waveguide technology",
SPIE APOC Asia-Pacific Optical Communications, 26-30 Oct. 2008, Hangzhou, China.
- 3.98 L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, R.G. Heideman, M. Hoekman, A. Leinse and W. van Etten,
"Novel ring resonator-based optical beamformer for broadband phased array receive antennas",
21st Annual Meeting of the IEEE Lasers & Electro-Optics Society, 9-13 Nov. 2008, Newport Beach, USA, pp. 20-21.

- 3.99 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
“Enhancement of multi-octave dynamic range in a push-pull modulated analog photonic link”,
IEEE/LEOS Benelux Symposium, 27-28 Nov 2008, Enschede, Netherlands, pp. 15-18.
- 3.100 L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, R.G. Heideman, M. Hoekman, A. Leinse and W. van Etten,
“Broadband phased array antenna steering by means of coherent signal combining in an integrated ring resonator-based optical beamformer”,
IEEE/LEOS Benelux Symposium, 27-28 Nov 2008, Enschede, Netherlands, pp. 71-74.
- 3.101 R.B. Timens, D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
“Design and simulation of an integrated optical ring-resonator based frequency discriminator for analog optical links”,
IEEE/LEOS Benelux Symposium, 27-28 Nov 2008, Enschede, Netherlands, pp. 95-98.
- 3.102 H. Schippers, J. Verpoorte, P. Jorna, A. Hulzinga, L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, W. van Etten, R.G. Heideman and M. Wintels,
“Broadband optical beam forming for airborne phased array antenna”,
IEEE Aerospace Conference 2009, 7-14 Mar 2009, Big Sky, Montana, U.S.A, pp. 1-19.
- 3.103 M.R.H. Khan, M. Burla, C.G.H. Roeloffzen, D.A.I. Marpaung and W. van Etten,
“Analysis of phase noise and cnr degradation of externally generated lo signal in lnb for ku-band dvb-s systems by heterodyning two lasers”,
International Union of Radio Science Benelux Forum 2009, 8 June 2009, Delft, The Netherlands.
- 3.104 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
“Performance comparison of two analog photonic links employing a pair of directly modulated lasers and a balanced photodetector”,
IEEE LEOS Annual Meeting Conference Proceedings, 4-8 October 2009, Antalya, Turkey, pp. 587-588.
- 3.105 M. Burla, A. Garcia-Garcia, L. Zhuang, A. Meijerink, C.G.H. Roeloffzen, D.A.I. Marpaung, M.R.H. Khan and W. van Etten,
“Optical phase synchronization in coherent optical beamformers for phased array receive antennas”,
IEEE LEOS Annual Meeting Conference Proceedings, 4-8 October 2009, Belek-Antalya, Turkey, pp. 693-694.

- 3.106 L. Zhuang, M. Burla, C.G.H. Roeloffzen, A. Meijerink, D.A.I. Marpaung, M.R.H. Khan, W. van Etten, A. Leinse, A. Hoekman and R.G. Heideman,
“RF-to-RF characterization of a phased array receive antenna steering system using a novel ring resonator-based integrated photonic beamformer”,
IEEE International Topical Meeting on Microwave Photonics, 14-16 October 2009, Valencia, Spain, pp. 1-4.
- 3.107 D.A.I. Marpaung, C.G.H. Roeloffzen and W. van Etten,
“Push-pull modulated analog photonic link with enhanced sfdr”,
2009 IEEE International Topical Meeting on Microwave Photonics, 14-16 October 2009, Valencia, Spain.
- 3.108 M.R.H. Khan, M. Burla, C.G.H. Roeloffzen, D.A.I. Marpaung and W. van Etten,
“Phase noise analysis of an rf local oscillator signal generated by optical heterodyning of two lasers”,
14th Annual Symposium of the IEEE Photonics Benelux Chapter, 5-6 Nov 2009, Brussels, Belgium, pp. 161-164.
- 3.109 R. Roy, G. Manhoudt and W. van Etten,
“Link Aggregation in a Multi-Wavelength Reconfigurable Photonic Access Network”,
Proceedings of the OSA Access Networks and In-house Communications Meeting, 21-24 June, 2010, Karlsruhe, Germany.
- 3.110 M. Burla, C.G.H. Roeloffzen, D.A.I. Marpaung, M.R.H. Khan and W. van Etten,
“A novel design procedure for minimum rf phase error in optical ring resonator-based integrated optical beamformers for phased array antennas”,
Annual Symposium of the IEEE Photonics Benelux Chapter 2010, 18-19 November 2010, Delft, the Netherlands, pp. 245-248.
- 3.111 M. Burla, E. Lavabre, C.G.H. Roeloffzen, D.A.I. Marpaung, L. Zhuang, M.R.H. Khan and W. van Etten,
“Automatic transmission parameters measurement and radiation pattern simulation for an RF photonic integrated beamformer”,
Annual Symposium of the IEEE Photonics Benelux Chapter 2011, 1-2 December 2011, Ghent, Belgium, pp. 137-140.

4 Special lectures

4.1 W. van Etten,

Weg van de snelweg? (in Dutch),

Inaugural lecture, University of Twente, Netherlands, 20 April, 1995.

4.2 W. van Etten,

Bouwen in de woestijn (In Dutch),

Farewell lecture, University of Twente, Netherlands, 2 November, 2007.

5 University reports

- 5.1 W. van Etten,
De Discrete Fourier Transform; achtergronden en gebruik van de Fast Fourier Transform,
(in Dutch)
Technische Hogeschool Eindhoven, november 1971.
- 5.2 W. van Etten and E. de Jong,
Optimum tapped delay line for the equalization of multiple channel systems,
University of Eindhoven, TH report 78 E 83, April 1978. ISBN 90 6144 083 1.
- 5.3 W. van Etten,
The theory of nonlinear discrete time systems and its application to the equalization of non linear digital communication channels,
University of Eindhoven, TH report 79 E 102, November 1979. ISBN 90 6144 102 1.
- 5.4 W. van Etten and T. Lammers,
Transmission of FM modulated audio signals in the 87.5 - 108 MHz broadcast band over a fiber optic system,
University of Eindhoven, TH report 80 E 108, April 1980. ISBN 90 6144 108 0.
- 5.5 M. Grotens and W. van Etten,
Laser linewidth measurement in the presence of RIN and using the self heterodyne method,
University of Eindhoven, EUT report 92 E 263, januari 1992. ISBN 90 6144 262 1.
- 5.6 H. van den Boom, W. van Etten, W. de Krom, P. van Bennekom, F. Huijskens and L. Niessen,
An optical ASK and FSK phase diversity transmission ,
University of Eindhoven, EUT report 92 E 268, december 1992. ISBN 90 6144 268 0.
- 5.7 D. Remondo Bueno, W. van Etten, V. Nicola and H. Tattje,
Application of importance sampling to the performance evaluation of mobile communication systems,
University of Twente, CTIT Technical Report series, No. 96-41, ISSN 1381-3625.