

**Prof JV RETIEF Pr. Eng.**  
*Curriculum Vitae*

**CONTACT INFORMATION**

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**ACADEMIC QUALIFICATIONS**

<b>BScEng (Civil) <i>cum laude</i></b>	University of Pretoria	1962
<b>DIC (Nuclear Power)</b>	Imperial College, London	1967
<b>MPhil (Civil Engineering)</b>	London University	1967
<b>Civil Engineer</b>	Stanford University	1971
<b>DSc(Eng)</b>	University of Pretoria	1978
<b>DEng</b>	Stellenbosch University	2015

**PROFESSIONAL AFFILIATIONS**

**Professional Engineer** (Reg. No. 691504) – Engineering Council of South Africa  
**Fellow** – South African Institute of Civil Engineering

**PROFESSIONAL APPOINTMENTS**

2001 – present	<b>Emeritus Professor (Part-time)</b> , Stellenbosch University
1990 – 2001	<b>Professor in Civil Engineering</b> , Stellenbosch University
1991 – 2002	<b>Director: Institute for Structural Engineering</b> , SU
1996 – 1997	<b>Chairman: Department of Civil Engineering</b> , SU
1983 – 1990	<b>Manager: Department of Nuclear Engineering</b> , AEC
1978 – 1983	<b>Head: Division of Reactor Engineering</b> , AEC
1964 – 1978	<b>Scientist / Principal Scientist</b> , AEC
1963 - 1964	<b>Engineer</b> , Department of Water Affairs

**RESEARCH INTERESTS**

- Risk and reliability in civil engineering
- Structural reliability
- Development and calibration of structural design standards and codes of practice

**ACADEMIC ACTIVITIES**

<u>Study leader/co-leader</u>	<u>Masters</u>	<u>PhD/DEng</u>
Completed	9	13
Present candidates	-	-

## RESEARCH AND PROFESSIONAL ACTIVITIES

**SABS TC98 Basis of structural design and actions:** Member,  
**SC2 Basis of design:** Member, retired Chairperson.

**SAICE Wk Gp Loading Code:** Member of main committee, several sub-committees, including leader of subcommittee on *Basis of structural design*.

**WG on revision of SABS 10100 Part 1 The structural use of concrete:** Member.

**WG on Part 3 The design of water retaining structures:** Member

**ISO TC98 Basis for the design of structures:** South African specialist delegate

**Centre for Development of Steel Structures (CDSS):** Co-founder and team member

**Advanced Performance of Concrete Structures (APERCS):** Team member

**WRC Project Implementation of a SANS for Water Retaining Structures:** Team member

## PUBLICATIONS

**Papers over last decade:** Author and co-author of some 70 odd publications in national and international conferences and journals.

### LIST OF PUBLICATIONS

1. GOLIGER AM, RETIEF JV, KRUGER AC. Review of climatic input data for wind load design in accordance with SANS 10160-3. *Journal of the South African Institute of Civil Engineering*. Vol xx No x, Dec 2017
2. KRUGER AC, RETIEF JV, GOLIGER AM, Development of an updated fundamental basic wind speed map for SANS 10160-3 *Journal of the South African Institute of Civil Engineering*. Vol xx No x, Dec 2017
3. McLEOD CH, VILJOEN C, RETIEF JV. *Determining model uncertainty associated with concrete crack models for members in tension*. 15<sup>th</sup> International Probabilistic Workshop, Dresden, Germany 29-29 Sept 2017.
4. McLEOD CH, VILJOEN C, RETIEF JV. *Determining model uncertainty associated with concrete crack models for members in flexure*. 15<sup>th</sup> International Probabilistic Workshop, Dresden, Germany 29-29 Sept 2017.
5. RETIEF JV, HOLICKÝ M, VILJOEN C. *International practice and standardisation of the basis of structural design*. 12<sup>th</sup> International Conference on Structural Safety and Reliability. Vienna 6-10 Aug 2017.
6. BOTHA J, RETIEF JV, VILJOEN C. *Hierarchical Bayesian wind load models for reliability assessment and calibration of standards*. 12<sup>th</sup> International Conference on Structural Safety and Reliability. Vienna 6-10 Aug 2017.
7. CLOETE GC, RETIEF JV, VILJOEN C. *A rational quantitative approach to dam safety risk reduction*. Civil Engineering and Environmental Systems, 2016, V33, No 2, 85-105.

8. VILJOEN C, RETIEF JV, SYKORA M. *Assessment of Alternative Shear Resistance Models for Reinforced Concrete Sections*. fib Symposium: Performance based approaches for concrete structures., Cape Town, 21-23 November 2016.
9. PHOON KK, RETIEF JV, CHING J, DITHINDE M, SCHWECKENDIEK T, WANG Y, ZANG LM. Some observations on ISO2394:2015 Annex D (Reliability of Geotechnical Structures) Structural Safety 62 (2016) 24–33
10. VD KLASHORST E, VILJOEN C, RETIEF JV. Reliability based design for vibration control of light steel floor structures. 6<sup>th</sup> SEMC 6-9 Sept 2016, cape Town.
11. HOLICKÝ M, RETIEF JV, VILJOEN C. *Partial Factors for Wind Actions Considering Hidden Safety due to Time Invariant Components* . 6<sup>th</sup> SEMC 6-9 Sept 2016, Cape Town.
12. BOTHA J, RETIEF JV, VILJOEN C. *Application of Monte Carlo method for the reliability treatment of wind load variables using Bayesian hierarchical models* 6<sup>th</sup> SEMC 6-9 Sept 2016, Cape Town.
13. McLEOD C, VILJOEN C, RETIEF JV. *Quantification of model uncertainty of EN1992 crack width prediction model* 6<sup>th</sup> SEMC 6-9 Sept 2016, Cape Town.
14. RETIEF JV. *Harmonization of structural standards on the reliability basis of design*. XIII<sup>th</sup> International Conference on Metal Structures. Zielona Gora, Poland. 14-17 June 2016.
15. Botha J, Retief JV, Viljoen C (2015). *Variability of time independent wind load components*. Accepted for 12th International Conference on Applications of Statistics and Probability in Civil Engineering, ICASP12 Vancouver, Canada, July 12-15, 2015.
16. Holicky M, Retief JV, Diamantidis D, Viljoen C (2015). On standardisation of the reliability basis of structural design. *12th International Conference on Applications of Statistics and Probability in Civil Engineering, Vancouver, Canada, July 12-15, 2015*.
17. Holicky M, Retief JV, Sykora M, (2015). *Assessment of model uncertainty for structural resistance*. Probabilistic Engineering Mechanics 45(2016)188–197.
18. Phoon KK, Retief JV, Ching J, Schwekendiek, Wang Y, Zhang Y (2015). Some Observations on ISO 2394:2015 Annex D (Reliability of Geotechnical Structures). Submitted to Structural Safety, Elsevier.
19. Phoon KK, Retief JV (Editors) (2016). *Reliability of Geotechnical Structures in ISO 2394*. Taylor and Francis Group, ISBN: 978-1-1380-2911-8.
20. Barnardo-Viljoen C, Mensah KK, Retief JV, Wium JA, Van Zijl GPAG (2014). *Background to the Draft SA National Standard for the Design of Water Retaining Structures*. Concrete/Beton.
21. Botha J, Retief JV, Holický M, Barnardo-Viljoen C (2014). *Development of probabilistic wind load model for South Africa*. In Vento 2014 XIII, 22-25 June 2014, Genova, Italy..
22. Dithinde M, Retief JV (2014). Resistance model uncertainty factors for ultimate limit state design of pile foundations. *Journal of the South African Institute of Civil Engineering*. Vol 56, No 2 August 2014 pp 37-42.
23. KRUGER AC, RETIEF JV, GOLIGER AM, LARSEN XG. *Optimal application of climate data to the development of design wind speeds*. American Meteorological Society Annual Meeting, Atlanta Ga, USA; Feb 2014.

24. RETIEF JV, DIAMANTIDIS D, VILJOEN C, VAN DER KLASHORST E. *Application of risk based infrastructure design concepts to provision for climate change*. American Meteorological Society Annual Meeting, Atlanta Ga, USA; Feb 2014.
25. DITHINDE M, RETIEF JV. *Reliability index of pile foundations designed to SANS 10160-5*. Zhang et al (ed), *Geotechnical Safety and Risk IV*, Hong Kong, Dec 2013. ISBN 978-1-138-00163-3.
26. MENSAH KK, BARNARDO-VILJOEN C, RETIEF JV. *A comparison of the variable strut inclination and alternative stirrup design methods*. 5<sup>th</sup> International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, CRC Press, Sept 2013: 1531-1536.
27. RETIEF JV, BARNARDO-VILJOEN C, HOLICKY M. *Probabilistic models for design of structures against wind loads*. 5<sup>th</sup> International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, CRC Press, Sept 2013: 651-656.
28. HOLICKY M, SYKORA M, BARNARDO-VILJOEN C, MENSAH KK, RETIEF JV. *Model uncertainties in reliability analysis of reinforced concrete structures*. 5<sup>th</sup> International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, CRC Press, Sept 2013: 2065-2070.
29. MCLEOD CH, RETIEF JV, WIUM JA. *Reliability of EN1992 crack model applied to South African water retaining structures*. 5<sup>th</sup> International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, CRC Press, Sept 2013 2013: 1549-1554.
30. KRUGER AC, RETIEF JV, GOLIGER AM. Strong winds in South Africa: I Application of estimation methods. *Journal of the South African Institute of Civil Engineering*. Vol 55 No 2, Aug 2013, pp 29-45.
31. KRUGER AC, RETIEF JV, GOLIGER AM. Strong winds in South Africa: II Mapping of updated statistics. *Journal of the South African Institute of Civil Engineering*. Vol 55 No 2, Aug 2013, pp 46-58.
32. KRUGER A, GOLIGER AM, RETIEF JV. *Directional analysis of extreme winds under mixed climate conditions*. EACWE 2013, Cambridge, UK, July 2013.
33. GOLIGER AM, KRUGER A, RETIEF JV. *Representivity of wind measurements for design wind speed estimations*. EACWE 2013, Cambridge, UK, July 2013.
34. BARNARDO-VILJOEN C, VAN DER KLASHORST E, RETIEF JV, DIAMANTIDIS D. *Extreme actions and climate change: Experience gained in South Africa and Germany*. Proceedings 11<sup>th</sup> International Conference on Structural Safety and Reliability, New York, USA, CRC Press, June 2013.
35. MENSAH KK, RETIEF JV, BARNARDO-VILJOEN C. *Reliability based application of Eurocode 2's Variable Strut Inclination Method for Shear*. Proceedings 11<sup>th</sup> International Conference on Structural Safety and Reliability, New York, USA, CRC Press, June 2013.
36. DITHINDE M, RETIEF JV. Pile design practice in southern Africa: I Resistance statistics. *Journal of the South African Institute of Civil Engineering*. Vol 55, No 1, April 2013, .

37. RETIEF JV, DITHINDE M. Pile design practice in southern Africa: II Implicit reliability of existing practice. *Journal of the South African Institute of Civil Engineering*. Vol 55, No 1, April 2013.
38. GOLIGER A, ZURANSKI J, GIZEJOWSKI M, GACZEK M, RETIEF J, KRUGER A, DUNAISKI P, FISZER S, CWIK M (2013). *Comparative study between Poland and South Africa: Wind climates, the related damage and implications of adopting the Eurocode for wind action on buildings*. Archives of Civil Engineering, LIX, 1, 2013, pp 51 – 95.
39. MENSAH KK, RETIEF JV, BARNARDO-VILJOEN C. *Review of the reliability basis of structural design and its application to structural concrete in South Africa*. International Conference on Advances in Cement and Concrete Technology in Africa (ACTA), Johannesburg, South Africa, Jan 2013: 859-866.
40. KRUGER AC, GOLIGER AM, RETIEF JV, SEKELE S. Clustering of extreme winds in the mixed climate of South Africa. *Wind and Structures* 2012; 15(2) : 87-109.
41. RETIEF JV, WIUM JA. Principles and application of Structural Design Code development in South Africa. *Structural Engineering International* 2012; 22(2) : 182-189.
42. MCLEOD C, WIUM JA, RETIEF JV. Investigation of reliability model for cracking in South African reinforced concrete water retaining structures. 10th International Probabilistic Workshop, Stuttgart, Germany, IGS 2012: 141-155.
43. RETIEF JV, DUNAISKI PE. The new South African Loading Code SANS 10160. *Concrete Beton* 2011; 127 : 8-14.
44. DITHINDE M, PHOON KK, DE WET M, RETIEF JV. Characterization of model uncertainty in the static pile design formula. *ASCE Journal of Geotechnical and Geo-environmental Engineering*, Vol 137, No 1, Jan 2011, pp 70-85.
45. DITHINDE M, DE WET M, RETIEF JV. Mitigation of geotechnical uncertainties through a reliability-based design frame work. *BIE Journal of Engineering and Applied Sciences* 2011; 2(1) : 42-48.
46. KRUGER AC, GOLIGER AM, RETIEF JV. Integration and implications of strong-wind producing mechanisms in South Africa. ICWE 13, Amsterdam, Netherlands, July 10-15, 2011.
47. KRUGER AC, RETIEF JV, GOLIGER AM. An updated description of the strong-wind climate of South Africa. ICWE 13, Amsterdam, Netherlands, July 10-15, 2011.
48. HOLICKY M, RETIEF JV. Theoretical basis of the target reliability. Accepted for 9<sup>th</sup> International Probabilistic Workshop, Braunschweig, 17-18 November 2011.
49. RETIEF JV, BARNARDO C, DITHINDE M. Reliability basis for adopting Eurocodes as South African standards. ICASP 11, Zurich, 1-4 August 2011.
50. HOLICKY M, RETIEF JV, WIUM JA. Partial factors for selected reinforced concrete members: Background to a revision of SANS 10100-1. *Journal of the South African Institution of Civil Engineering* 2010; 52(1) : 36-44.
51. KRUGER AC, GOLIGER AM, RETIEF JV, SEKELE S. Strong wind climatic zones in South Africa. *Wind and Structures* 2010; 13(1) : 37-55.
52. DUNAISKI PE, RETIEF JV, BARNARDO C. *Harmonization of South African Standards for Structural Design to International Practice*. 9th Pacific Structural Steel Conference (PSSC 2010), Beijing International Convention Center, Beijing, China, China Architecture and Building Press 2010: 14-21.

53. DYMOND JS, RETIEF JV. *Towards a reliability based development program for SHCC design procedures*. International Conference on Advances in Cement-Based Materials, STIAS, Stellenbosch, South Africa, CRC Press 2010: 297-306.
54. HOLICKY M, RETIEF JV. *Probabilistic basis of present codes of practice*. 4th International Conference on Structural Engineering, Mechanics and Computation (SEMC 2010), University of Cape Town, South Africa, CRC Press 2010: 397-402.
55. JACOBSON M, RETIEF JV, DUNAISKI PE. *Assessment of robustness in the design of steel structures*. 4th International Conference on Structural Engineering, Mechanics and Computation (SEMC 2010), University of Cape Town, South Africa, CRC Press 2010: 639-642.
56. MARENGWA J, RETIEF JV. *Risk based maintenance planning for flood protection walls*. 31st International Conference on Coastal Engineering, Convention Centre Hamburg, Hamburg, Germany, World Scientific 2009: 4315-4327.
57. MENSAH KK, RETIEF JV, BARNARDO C. *Structural reliability and the basis of design for concrete structures*. 4th International Conference on Structural Engineering, Mechanics and Computation (SEMC 2010), Social Sciences Complex, University of Cape Town, Cape Town, South Africa, CRC Press 2010: 1047-1050.
58. RETIEF JV, HOLICKY M. *Review of the ISO 2394 reliability basis of structural design*. 4th International Conference on Structural Engineering, Mechanics and Computation (SEMC 2010), Social Sciences Complex, University of Cape Town, Cape Town, South Africa, CRC Press 2010: 1043-1046.
59. RETIEF JV, WIUM JA. *Principles for development of Standards for structural design*. Codes in Structural Engineering: Joint IABSE-FIB Conference Dubrovnik 2010, Hotel Croatia in Cavtat, Dubrovnik, Croatia (local name: Hrvatska), SECON-CSSE 2010: 181-188.
60. MARENGWA J, RETIEF JV. *Risk management of concrete flood protection walls by application of Bayesian networks*. 7th International Probabilistic Workshop, TNO Nederland, Delft, Netherlands, TU Delft 2009: 359-383.
61. RETIEF JV, HOLICKY M, WIUM JA. *Probabilistic design for cracking of concrete structures*. 7th International Probabilistic Workshop, TNO Nederland, Delft, Netherlands, TU Delft 2009: 87-98.
62. RETIEF JV, MARENGWA J. *Risk based maintenance planning for flood protection walls*. 31st International Conference on Coastal Engineering - ICCE, Congress Centre Hamburg, Hamburg, Germany, World Scientific Publishing Co. Pte. Ltd. 2009: 4315-4327.
63. DAY PW, RETIEF JV. Provisions for geotechnical design in SANS 10160. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 189-203.
64. DYMOND JS, RETIEF JV, DUNAISKI PE. Reliability assessment of crane induced actions. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 233-250.
65. GOLIGER AM, RETIEF JV, DUNAISKI PE, KRUGER A. Revised wind-loading design procedures for SANS 10160. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 149-166.
66. GOLIGER AM, RETIEF JV, DUNAISKI PE. Review of codification of wind-loading for structural design. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 129-148.

67. HOLICKY M, RETIEF JV, DUNAISKI PE. The reliability basis of Eurocode. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 85-103.
68. RETIEF JV, DUNAISKI PE, DAY PW. An overview of the revision of the South African Loading Code SANS 10160. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 1-24.
69. RETIEF JV, DUNAISKI PE, HOLICKY M. Review of Eurocode from the perspective of the revision of SANS 10160. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 57-83.
70. RETIEF JV, DUNAISKI PE. Review of provisions for General Actions in SANS 10160. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 105-128.
71. RETIEF JV, DUNAISKI PE. The limit states basis of structural design for SANS 10160-1. In *Background to SANS 10160 - Basis of Structural Design and Actions for Buildings and Industrial Structures*, Sun Media, Stellenbosch, South Africa, 2009: 25-55.
72. AM Goliger & JV Retief. Severe wind phenomena in southern Africa and the related damage. *J Wind Engineering and Industrial Aerodynamics*, 2007; 95 : 1065-1078.
73. Holický M, Retief JV & Dunaiski PE. The reliability basis of design for structural resistance. The 3<sup>rd</sup> International Conference on Structural Engineering, Mechanics and Computation (SEMC 2007), University of Cape Town, Cape Town South Africa, Millpress 2007: 1735-1740.
74. JV Retief, PE Dunaiski, JS Dymond & JA Wium. *Considerations to establish a basis for structural concrete design for application in the development of an African Concrete Code*. African Concrete Code Symposium 2006, Stellenbosch, 29-30 November 2006.
75. Dithinde M, Phoon KK, De Wet M & Retief JV. *Analysis of uncertainties in analytical pile design methods in South Africa*. New Generation Design Codes for Geotechnical Engineering Practice. National Taiwan University of Science and Technology, Taipei, Taiwan, World Scientific 2006: 1-11.
76. Dunaiski PE, Retief JV & Goliger AM. *Proposed new South African loading code SANS 10160*. Steel 50 Conference, Sandton Convention Centre, Johannesburg, South Africa, SA Institute of Steel Construction 2006: 1-11.
77. Dymond JS, Dunaiski PE, Retief JV & De Lange JH. *The future of crane support structure design in the South African context*. Steel 50 Conference, Sandton Convention Centre, Johannesburg, South Africa, SA Institute of Steel Construction 2006: 1-12.
78. JV Retief & PE Dunaiski. Structural design standards in the context of decisions in civil engineering. 2<sup>nd</sup> IFED Forum, April 26-29, 2006 – Lake Louise, Canada.
79. JV Retief, PE Dunaiski & JA Wium. *South African structural design standards development*. The First African Concrete Code Symposium. Tripoli, Lybia. 28 – 29 November 2005.
80. M Holický & J V Retief. *Reliability Assessment of Alternative Load Combination Schemes for Structural Design*. Journal SAICE, Vol. 25, No 1, pp 15 – 20, 2005.
81. J.V. Retief & P.J. de Villiers. *Reliability Model for Imposed Loads on Inaccessible Roofs of Light Industrial Steel Buildings*. Australian Structural Engineering Conference 2005, Newcastle, 11 – 14 September 2005

82. J.S. Warren, J.V. Retief & P.E. Dunaiski. *Reliability models of overhead traveling crane loading for code calibration*. 9<sup>th</sup> International Conference on Structural Safety and Reliability (ICOSSAR 2005), Rome, 19 – 23 June 2005.
83. AM Goliger & JV Retief. *Severe wind phenomena in Southern Africa, and the related damage* The Fourth European-African Conference on Wind Engineering, Prague, 11 – 15 July 2005.
84. UA Huber, JV Retief & JA Wium. *Structural concrete shear resistance*. Conference: Developing concrete to serve practical needs. 13-14 October 2004, Midrand, South Africa. Pp 113-125.
85. JA Wium & JV Retief. *The South African loading code and detailing of reinforced concrete elements for seismic loading*. Conference: Developing concrete to serve practical needs. 13-14 October 2004, Midrand, South Africa. Pp 127-138
86. AM Goliger, JV Retief & H-J Niemann. *Development process and components of a wind disaster model for South Africa*. Proceedings 2<sup>nd</sup> SEMC, Cape Town, SA. 5 – 7 July 2004, pp 843-849. A Zingoni (Ed). Progress in Structural Engineering, Mechanics and Computation. © 2004 Taylor and Francis, London.
87. JS Warren, PE Dunaiski & JV Retief. *A comparison between crane induced load effects from SABS and Eurocode*. Proceedings 2<sup>nd</sup> SEMC, Cape Town, SA. 5 – 7 July 2004, pp 887-883. A Zingoni (Ed). Progress in Structural Engineering, Mechanics and Computation. © 2004 Taylor and Francis, London.
88. JV Retief & GM Ker-Fox. *Application of reliability based limit state theory to contingency management*. ACEC 2004, Cape Town.
89. AM Goliger, JV Retief & H-J Niemann. *Wind damage / disaster model, Part 1: Generic algorithm*. 11<sup>th</sup> International Conference on Wind Engineering, Lubbock, Texas, 2 – 5 June 2003.
90. AM Goliger, JV Retief & H-J Niemann. *Wind damage / disaster model, Part 2: Application*. 11<sup>th</sup> International Conference on Wind Engineering, Lubbock, Texas, 2 – 5 June 2003.
91. A Bester & JV Retief. *A methodology for the development of a cost calculation decision support system for civil engineering*. SAICE 25<sup>th</sup> Annual Symposium on Computers in Engineering, University of Stellenbosch, September 2003
92. AM Goliger, BF Adam & JV Retief. *Proposed characterisation of South African thunderstorms: generic footprints and rate of occurrence*. AWAS '02 The Second International Symposium on Advances in Wind and Structures. 21 - 23 August 2002, Pusan, Korea.
93. JV Retief, G Maritz, TR ter Haar, WW Brand & A Muhimua-Joao. *Structural concrete reliability models for design code assessment*. Concrete for the 21<sup>st</sup> Century, 13 - 14 March 2002. Eskom Convention Centre, Midrand, Gauteng.
94. TR ter Haar & JV Retief. *Resistance factors for structural concrete design codes as derived from loading code calibration*. Concrete for the 21<sup>st</sup> Century, 13 - 14 March 2002. Eskom Convention Centre, Midrand, Gauteng.
95. TR ter Haar & JV Retief. *A Methodology for Structural Code Calibration*. International Conference: Safety, Risk and Reliability, Malta, March 21-23 2001.
96. JV Retief & GM Ker-Fox. *Application of Limit State Theory to Tender Adjudication*. International Conference: Safety, Risk and Reliability, Malta, March 21-23 2001.



97. AM Goliger & JV Retief. *Development of zones of strong wind events in South Africa*. WISSE J *et al* (Ed). Third European & African Conference on Wind Engineering. Eindhoven, The Netherlands, July 2 - 6 2001.
98. TR ter Haar, JV Retief & Kemp AR. *Calibration of Load Factors for the South African Loading Code*. Zingoni A (Ed) Proceedings International Conference SEMC 2001, Cape Town, 2 - 4 April 2001 Elsevier.
99. JV Retief, PE Dunaiski & PJ de Villiers. *An Evaluation of Imposed loads for Application to Codified Structural design*. Zingoni A (Ed) Proceedings International Conference SEMC 2001, Cape Town, 2 - 4 April 2001 Elsevier.
100. AM Goliger & JV Retief. *Background to Wind Damage model for Disaster Management in South Africa*. Zingoni A (Ed) Proceedings of the International Conference SEMC 2001, Cape Town, 2 - 4 April 2001 Elsevier.
101. JV Retief, GM Ker-Fox & A Bester. Project risk management with information technology support. SAICE 21st Annual Symposium on Computers in Engineering, University of Stellenbosch, 30 September 1999.
102. TR ter Haar, JV Retief & PE Dunaiski: Towards a more rational approach of the serviceability limit states design of industrial steel buildings. Paper 283. Second World Conference on Steel in Construction. 11-13 May 1998. San Sebastian, Spain
103. JV Retief. Structural codes of practice and development - a risk perspective. Proceedings: Structural Steel Developing Africa. Johannesburg (1996)
104. JV Retief. The reliability of ACI and BS methods of deflection design of reinforced concrete members. Paper 582. 21st Conference on Our World in Concrete and Structures. Singapore (1996)