

RW Chapman Medal Institution of Engineers, Australia for the most important contribution to the science and/or practice of structural engineering, 1988

Professional Affiliations

Honorary Fellow, The Institution of Engineers, Australia
Chartered Professional Engineer
Member, British Masonry Society
Fellow, The Masonry Society, USA

National & International Standards Committees

Chairman Masonry Structures Code Committee and several of its sub-committees, Standards Australia

International Committees (Corresponding Member) ISO Masonry Code Committee
ACI/TMS/ASCE Masonry Code Committee (USA)
RILEM Masonry Tests Methods Committee

Board Experience

2002 – 2006 CRC for Coal in Sustainable Development

2003 – 2005 CRC for Integrated Engineering Asset Management

2005 – 2006 CRC for Construction Innovation

2004 – 2006
Ampcontrol) ResTech (jointly owned R&D Company between the University &

2005 Hunter Medical Research Institute

2005
(TUNRA) The University of Newcastle Research Associates

2006 - present Newcastle University Sport (NUsport)

2006 - present Hunter Water Corporation

Career Summary

2006 – present Emeritus Professor

2005 – 2006 Deputy Vice-Chancellor (Research), The University of Newcastle

2002 – 2005 Pro Vice-Chancellor, Faculty of Engineering & Built Environment, (and Dean of Engineering), The University of Newcastle

1997 – 2001 Dean, Faculty of Engineering, The University of Newcastle

1992 – 1996 Head, Department of Civil, Surveying and Environmental Engineering,
The University of Newcastle

1996	Assistant Dean (Industrial and Professional Liaison, Faculty of Engineering)
1992 – Present	Think Brick Australia Professor in Structural Clay Brickwork, The University of Newcastle
1971 – 1991	Lecturer/Senior Lecturer/Associate Professor, Department of Civil Engineering & Surveying, The University of Newcastle
1987	Visiting Professor, The University of Calgary, Canada
1979	Visiting Academic, The University of Edinburgh, Scotland
1970	Structural Engineer, Wollacott, Hale, Corlett and Jumikus, Consulting Engineers, North Sydney
1969	Instructor in Civil Engineering, Cambrian College of Applied Arts and Technology, Sudbury, Ontario, Canada
1967 – 1969	Construction Engineer, VK Mason Construction, Toronto, Ontario, Canada
1965 – 1967	Structural Engineer, Quigan, Gam and Sellick, Consulting Engineers, Newcastle
1963 – 1965	Design Engineer, The Hunter District Water Board, Newcastle
1959 – 1963	Cadet Engineer, The Hunter District Water Board, Newcastle

Teaching Experience

Various undergraduate courses in Civil/Structural Engineering from 1971. Supervision of a large number of undergraduate final year projects (typically 5 per year) and 9 PhD and 4 Masters students.

Publications

Contributions to Monographs

“Masonry Code of Practice”, Published by The Association of Consulting Structural Engineers of New South Wales, 1984, 205 pp, (principal Author of two of seven Chapters).

“New Analysis Techniques for Structural Masonry”, S C Anand, (Ed), ASCE Special Publication, New York, 1985, (principal Author of one of seven Chapters).

“Newcastle Earthquake Study”, The Institution of Engineers, Australia, 1990, 155 pp, (author of one of ten Chapters).

“Australian Masonry Manual”, Deakin University Press, 1991, (one of three Authors).

“Masonry in Buildings (SAA Masonry Code) – Commentary”, AS3700, Supp 1 – 1991, Standards Association, (co–author of several Chapters).

“Proceedings of Fifth Australasian Masonry Conference”, Gladstone, QLD, July 1998, (Page, Dhanasekar, Lawrence Eds).

“Design of Clay Masonry for Wind and Earthquake”, Clay Brick and Paver Institute, 1999, 48 pp. (co-author with S.J. Lawrence).

“Design of Clay Masonry for Serviceability”, Clay Brick and Paver Institute, 2001, 40 pp, (Co-author with S.J. Lawrence). Revised and re-published, 2008.

“Design of Clay Masonry for Compression”, Clay Brick & Paver Institute, 2004, 48 pp, (Co-author with S.J. Lawrence).

Refereed International Journals

“Finite Element Model for Masonry”, Journal of the Structural Division, ASCE, Vol 104, No ST8, 1978, pp 1267–1285.

“A Non–Linear Analysis of the Composite Action of Masonry Walls on Beams”, Proc Instn Civ Engrs London, Part 2, 1979, 67, pp 93–110.

“A Biaxial Failure Criterion for Masonry in the Tension–Tension Range”, International Journal of Masonry Construction, Vol 1, No 1, 1980, pp 26–29.

“On the Failure of Masonry Shear Walls”, International Journal of Masonry Construction, Vol 1, No 2, 1980, pp 52–57, (with Samarasinghe W and Hendry A W).

“The In–Plane Failure of Masonry – A Review”, Proc British Ceramic Society, No 30, Load Bearing Brickwork, (7), 1982, pp 90–101, (with Samarasinghe W and Hendry A W).

“Behaviour of Brick Masonry Shear Walls”, The Structural Engineer, Vol 59B, pp 42–48, (with Samarasinghe W and Hendry A W).

“The Biaxial Compressive Strength of Brick Masonry”, Proc Instn Civ Engrs London, Part 2, 1981, 71, pp 893–906.

“A Finite Element Model for the In–Plane Behaviour of Brickwork”, Proc Instn Civ Engrs London, Part 2, 1982, 73, pp 171–178, (with Samarasinghe W and Hendry A W).

“The Elastic Properties of Brick Masonry”, International Journal of Masonry Construction, Vol 2, No 4, 1982, pp 150–160, (with Dhanasekar M and Kleeman P W).

“The Strength of Brick Masonry Under Biaxial Tension Compression”, International Journal of Masonry Construction, Vol 3, No 1, 1983, pp 26–32.

“The Failure of Brick Masonry Under Biaxial Stress”, Proc Instn Civ Engrs London, Part 2, 1985, 79, pp 295–313, (with Dhanasekar M and Kleeman P W).

“Biaxial Stress–Strain Relations for Masonry”, Journal of the Structural Division, ASCE, Vol 111, No 5, 1985, pp 1085–1100, (with Dhanasekar M and Kleeman P W).

“An In–Plane Finite Element Method for Brick Masonry”, Proc ASCE Struct Congress ‘85, Chicago, (with Kleeman P W and Dhanasekar M), (**Invited paper**).

“An Elastic Analysis of Concentrated Loads on Brickwork”, *Masonry International*, No 6, 1985, pp 9–21, (with Ali S).

“Linear Fracture Analysis of Solid Masonry Subjected to Concentrated Loads”, *Masonry International*, No 8, 1986, pp 21–27, (with Ali S).

“The Influence of Brick Masonry Infill Properties on the Behaviour of Infilled Frames”, *Proc Instn Civ Engrs London*, Part 2, 1986, December, pp 593–605, (with Dhanasekar M).

“A Failure Criterion for Mortar Joints in Brickwork Subjected to Combined Shear and Tension”, *Masonry International*, No 9, 1986, pp 43–54, (with Ali S).

“Substructuring Technique in the Non-Linear Analysis of Brick Masonry Subjected to Concentrated Load”, *Computers and Structures*, Vol 27, No 3, 1987, pp 417–425, (with Ali S and Moore I D).

“Non-Linear Finite Element Analysis of Masonry Subjected to Concentrated Load”, *Proc Instn Civ Engrs London*, Part 2, 1987, 83, December, pp 815–832, (with Ali S).

“Concentrated Loads on Hollow Masonry – A Pilot Study”, *Masonry International*, Vol 1, No 2, 1987, pp 58–61, (principal Author with Shrive N G and Jessop E L).

“Concentrated Loads on Hollow Masonry – Dispersion of Load Through Bond Beams”, *The Masonry Society Journal*, Vol 6, No 2, 1988, (principal Author with Shrive N G).

“Finite Element Model for Masonry Subjected to Concentrated Loads”, *ASCE, Journal of Structural Engineering*, Vol 114, No 8, pp 1761–1784, August, 1988.

“Concentrated Loads on Solid Masonry Walls – A Parametric Study and Design Recommendations”, *Proc Instn Civ Engrs London*, Part 2, Vol 85, June, 1988, pp 271–289, (with Ali S), (discussion, *Proc Instn Civ Engrs London*, Part 2, Vol 87, June, 1989, pp 307–309).

“Design Rules for Solid Masonry Subjected to Concentrated Loads”, *The Structural Engineer*, London, Vol 66, No 17/6, September, 1988, pp 272–281, (with Hendry A W).

“The Design of Masonry Walls for Vertical Loadings – A Review of the Provisions of the SAA Masonry Code”, *Civil Engg Trans*, The Institution of Engineers, Australia, Vol CE30, No 5, pp 265–277, (with Brooks D S), 1988 – awarded the W H Warren and R W Chapman Medals by IEAust).

“A Critical Assessment of Compression Tests for Hollow Concrete Masonry”, *Masonry International*, Vol 2, No 2, pp 64–70, (with Shrive N G).

“Racking Behaviour of Prestressed and Reinforced Hollow Masonry Walls”, *Masonry International*, Vol 2, No 3, pp 97–102, (with Huizer A).

“Cracking Analysis of Solid Concrete Masonry Subjected to Concentrated Loads”, *ACI Struct Engg Journal*, Vol 86, No 4, July–August, pp 367–375, (with Ali S).

“A Study of the In-Situ Properties of Capping Materials Used in Compression Tests”, *Masonry International*, Vol 4, No 2, October, pp 68–74, 1990, (with Kleeman P W).

- “Concentrated Loads on Hollow Clay Masonry”, Canadian Journal of Civil Engineering, Vol 17, No 3, pp 431–439, 1990, (with Shrive N G).
- “Concentrated Loads on Hollow Concrete Masonry”, ACI Structural Engg Journal, Vol 87, No 4, July–August, pp 436–444, (with Shrive N G).
- “Concentrated Loads on Masonry”, Proc British Masonry Society, No 4, pp 74–77, 1990, (with Shrive N G).
- “The Newcastle Earthquake – Behaviour of Masonry Structures”, Masonry International, Vol 5, No 1, pp 11–18, 1999.
- “The Newcastle Earthquake”, Proc Instn Civ Engrs London, Structures and Buildings, 1992, 94, May, pp 143–156, (with Melchers R E) – awarded the Overseas Premium by the ICE.
- “Masonry in Newcastle – The Reality”, Concrete in Australia, The Concrete Institute of Australia, Vol 18, No 1, March, 1992, pp 12–14.
- “The Design, Detailing and Construction of Masonry – The Lessons From The Newcastle Earthquake”, Civil Engg Trans, The Institution of Engineers, Australia, Vol CE34, No 4, December, 1992, pp 343–353.
- “The Variability of Bond Wrench Measurements in the United Kingdom, Australia, and the United States of America”, Masonry International, Vol 8, No 1, 1994, pp 21–25, (with de Vekey, R C and Hedstrom, E G).
- “The Shear Capacity of Membrane Type Damp–Proof Courses in Masonry”, Civil Engg Trans, The Institution of Engineers, Australia, Vol. CE37, Feb, No. 1, 1995, pp. 29-39.
- “Developments in Masonry: Part 1 – Walls of Geometric Section”, Australian Civil Engg Trans, Australia (with Phipps, M E), Vol. CE37, No. 2, May, 1995, pp. 159-165.
- “Developments in Masonry: Part 2 – Reinforced and Prestressed Masonry”, Civil Engg Trans, (with Phipps, M E), Vol. CE37, No. 2, May, 1995, pp. 169-174.
- “Design Procedure for Cavity and Veneer Wall Ties”, Masonry Int., (with Kautto, J., Kleeman, P.W.), Vol 10, No 2, 1996, pp 55-62.
- “The Strength of Hollow Masonry Walls Under Concentrated Vertical Loads”, The Masonry Society Journal, (with Kleeman, P.W., and De Vitis, N.), Vol 14, No 2, December, 1996, pp 45-54.
- “Unreinforced Masonry Structures - An Australian Overview”, Bulletin of the N.Z. Nat. Soc. For Earthquake Eng., Vol 29, No 4, December, 1996, pp 242 - 255.
- “Masonry in the 1990’s”, NATSPEC Papers #1, Construction Information Systems Australia, 1997, pp. 31-42, **(Invited paper)**.
- “Numerical and Experimental Evaluation of the Bond Wrench Test”, Masonry International, Vol 12, No 3, 1998, pp. 89-95 (with Samarasinghe, W. and Lawrence, S.J.).
- “Influence of Age on Masonry Bond Strength – A Preliminary Study”, Masonry

International, Vol 12, No 2, 1998, pp. 64-69 (with De Vitis, N. and Lawrence, S.J.).

“On the Seismic Capacity of Typical DPC and Slip Joints in Unreinforced Masonry Buildings”, Australian Journal of Structural Engineering, Vol 1, No 2, 1998, pp. 133-140 (with Griffith, M.C.).

“The Role of the Damp-Proof Course in the Serviceability Behaviour of Masonry Structures”, Masonry International, Vol 13, No 1, 1999, pp. 17-21 (with Muniruzzaman, A.R.M. and Kleeman, P.W.).

“Shear in Plain, FRP Bed Joint Reinforced, and Post-tensioned Masonry”, Canadian Institute of Civil Engineering, Vol. 27, No.5, October 2000, pp. 1021 - 1030 (with Lissel, S.L. and Shrive, N.G.)

“Lower Bound Limit Analysis of Unreinforced Masonry Shear Walls”, Computers and Structures, 79 (2001), pp. 1295 – 1312 (with Sutcliffe, D. and Yu, H.S.)

“The Serviceability Design of Low Rise Masonry Structures”, Progress in Structural Engineering Materials, Vol 3, No 3, July – Sept, 2001 (**invited paper**)

“Performance Based Studies of In-Plan Loaded URM Walls”, (with Bosiljkov V, Bokan-Bosiljkov and Zarnic), Masonry International, Vol 16, No 2, May 2003, pp 39-50

Correa M.R.S and Page A.W., “A Novel Approach for Assessing the Interaction of Masonry Walls Under Vertical Load”, Canadian Journal of Civil Engineering, Vol 31, August, 2005, pp 601-614

Luo C., Moghtaderi B., Page A.W., “Software for Calculating Radiation View Factor for Two Arbitrary Polygons”, International Journal of Heat and Mass Transfer (submitted)

Luo C., Moghtaderi B., Sugo H., Page A.W., “Some Roots of the Denominator $1 + A(s)$ in the Theoretical Transfer Function are Complex”, Building and Environment (submitted)

Correa M.R.S., Page A.W., Han Y., and Masia M., “Experimental and Theoretical Study of the Shear Behaviour of URM walls with Openings”, Journal of British Masonry Society, Masonry International, Vol.19, No. 1, 2006, pp.1 – 14.

Sing-Sang P., Totoev Y., and Page A. W., “Wind and Earthquake Shear Load in Symmetrical Loadbearing Masonry Buildings”, The Masonry Society Journal, Vol.25, No 2, October, 2007

Luo C., Moghtaderi B., Sugo H. and Page A. W., “Determining the Thermal Capacitance, Conductivity and the Convective Heat Transfer Coefficient of a Brick Wall by Annually Monitored Temperatures and Total Heat”, Building and Environment (submitted)

Luo C., Moghtaderi B., Sugo H., and Page A.W., “A New Stable Finite Volume Method for Predicting Thermal Performance of a Whole Building”, Building and Environment, 43 (2008), 37 – 43.

Gregory K, Moghtaderi B., Sugo H., and Page A.W., “Effect of Thermal Mass on the Thermal Performance of Various Australian Residential Construction Systems”, Energy and Buildings, 40 (2008), 459 – 465.

Lawrence S.J., Sugo H.O., and Page A.W., "Masonry Bond Strength and the Effects of Supplementary Cementitious Materials", *Aust. Journal of Structural Engineering*, Vol 8, No 2, 2008, pp 101-116.

Sugo H.O., Page A.W., and Lawrence S.J., "The Influence of Age on Masonry Bond Strength and Mortar Microstructure", *Canadian Journal of Civil Engineering*, 34:1433-1442 (2007)

Sing Sang P, Totoev Y & Page A.W., "Earthquake Shear Load in Loadbearing Masonry Buildings", *Australian Journal of Structural Engineering*, Vol 8, No 2, 2008, pp171-188.

Alasha'ary H., Moghtaderi B., De Dona J. and Page A. W., "Application of a Neuro-Fuzzy Model to Evaluate the Thermal Performance of Typical Australian Residential Masonry Buildings", *Canadian Journal of Civil Engineering* (submitted)

Bosiljkov V., Page A.W., Boken-Bosiljkov V. & Zarnic R., "Evaluation of the Seismic Performance of Brick Masonry", *Journal of Structural Division, ASCE* (submitted)

Luo, C., Moghtaderi, B., Sugo, H. & Page, A.W., "A New Finite Element Method for Predicting the Thermal Performance of a Whole Building", *Building and Environment* (submitted)

Prieto E., Bourke S., Holbrook A., O'Connor J., Page A., Husher K., "Influences on Engineering Enrolments. A Synthesis of Key Reports", *International Journal of Engineering Education* (submitted)

Sing-Sang P., Totoev Y., and Page A.W., "Wind and Earthquake Shear Load in Asymmetrical Masonry Loadbearing Buildings", *The Masonry Society Journal* (Submitted)

International Refereed Conference Proceedings

"A Model for the In-Plane Behaviour of Masonry and a Sensitivity Analysis of its Critical Parameters", *Proc 5th International Brick Masonry Conference, Washington DC, 1979, pp 262-268.*

"The In-Plane Failure of Masonry – An Overview", *Proc 7th International Symposium on Load-Bearing Brickwork, London, British Ceramic Society, 1980, (with Samarasinghe, W and Hendry A W).*

"An Experimental Investigation of the Biaxial Strength of Brick Masonry", *Proc 6th International Brick Masonry Conference, Rome, 1982, pp 3-15.*

"Load-Bearing Masonry – A Review", *Proc 7th International Brick Masonry Conference, Melbourne, 1985, pp 81-89, (with Brooks D S), (invited paper).*

"The Behaviour of Brick Masonry Under Biaxial Stresses with Particular Reference to Infilled Frames", *Proc 7th International Brick Masonry Conference, Melbourne, pp 815-824, (with Dhanasekar M and Kleeman P W).*

"Concentrated Loads on Brickwork – A Preliminary Study", *Proc 7th International Brick Masonry Conference, Melbourne, 1985, pp 711-723, (with Ali S).*

"The Influence of Brick and Brickwork Prism Aspect Ratio on the Evaluation of Compressive Strength", *Proc 7th International Brick Masonry Conference, Melbourne, 1985, pp 653-664, (with Marshall R).*

“An In–Plane Finite Element Model for Brick Masonry”, Proc ASCE Structures Congress, Chicago, 1985, (principal Author with Kleeman P W and Dhanasekar M), **(invited paper)**.

“Nonlinear Finite Element Method for Concrete Masonry With Particular Reference to Concentrated Loads”, Proc 4th Canadian Masonry Symposium, New Brunswick, 1986, pp 137–148, (with Ali S and Kleeman P W).

“The Behaviour of Solid Masonry Walls Subjected to Concentrated Loads”, Proc 4th North American Masonry Conference, Los Angeles, August, 1987, pp 14–1 to 14–12, (with Ali S).

“The Use of Substructuring and Mesh Refinement Techniques in the Nonlinear Analysis of Masonry”, Proc 5th International Conference in Australia on Finite Element Methods, August, 1987, (with Ali S).

“Concentrated Loads on Hollow Masonry – A Pilot Study”, British Masonry Society Conference on Masonry Testing, Stoke–on–Trent, England, October, 1987, (with Shrive N G and Jessop E L).

“Influence of Material Properties on the Behaviour of Brick Masonry Shear Walls”, Proc 8th International Brick/Block Masonry Conference, Dublin, September, 1988, pp 528–537.

“Failure of Hollow Masonry Subjected to Concentrated Loads”, Proc 8th International Brick/Block Masonry Conference, Dublin, September, 1988, pp 479–490, (with Shrive N G).

“Racking Tests on Reinforced and Prestressed Hollow Clay Masonry Walls”, Proc 8th International Brick/Block Masonry Conference, Dublin, September, 1988, pp 538–547, (with Huizer A).

“A Parametric Study of the Behaviour of Masonry Shear Walls”, Proc 5th Canadian Masonry Symposium, Vancouver, June, 1989, pp 341–352.

“Concentrated Loads on Masonry”, Proc 2nd International Masonry Conference, London, October, 1989, (with Shrive N G).

“The Lessons for Masonry from the Newcastle Earthquake”, Proc Asia–Pacific Conference on Masonry, Singapore, March, 1991, pp 163–168, **(invited paper)**.

“The Behaviour of Masonry Subjected to Concentrated Load”, Proc Asia–Pacific Conference on Masonry, Singapore, March, 1991, pp 157–161.

“A Model for the In–Plane Behaviour of Solid Masonry Subjected to High Stress Gradients”, Proc ASCE Structures Congress, Indianapolis, May, 1991, pp 434–438, (with Ali S), **(invited paper)**.

“Analysis of Concentrated Loads on Hollow Masonry”, Proc ASCE Structures Congress, Indianapolis, May, 1991, pp 446–450, (with Shrive N G), **(invited paper)**.

“The Behaviour of Unreinforced Masonry in the Newcastle Earthquake”, Proc 9th International Brick/Block Masonry Conference, Berlin, October, 1991, pp 921–928.

“A Study of the Relationship Between Unit, Prism and Wall Strength for Hollow Masonry Loaded in Compression”, Proc 9th International Brick/Block Masonry

Conference, Berlin, October, 1991, (with Han Xie and Simundic G), pp 236–243.

“The Influence of Capping Material and Platen Restraint on the Failure of Hollow Masonry Units and Prisms”, Proc 9th International Brick/Block Masonry Conference, Berlin, October, 1991, (with Kleeman P W), pp 662–670.

“Quality Control in Masonry Construction – The Lessons From The Newcastle Earthquake”, Proc 6th Canadian Masonry Symposium, Saskatoon, June, 1992, pp 711–722.

“An Investigation of the Compressive Failure Mechanism for Face–Shell Bedded Hollow Masonry”, Proc 6th Canadian Masonry Symposium, Saskatoon, June, 1992, pp 97–108, (with Han Xie and Kleeman, P W).

“Development of Serviceability Criteria for Masonry Structures – A Preliminary Report”, 6th NAMC, Philadelphia, June, 1993, (with Kleeman P W and Bryant I).

“An Investigation of the Behaviour of Hollow Masonry I–Section Prisms and Walls”, 6th NAMC, Philadelphia, June, 1993, (with Kleeman P W and Han Xie).

“An Experimental Study of the Flexural Behaviour of Post Tensioned Hollow Clay Masonry”, Proc 10th IBMAC, Calgary, July, 1994, pp 639–648, (with Graham, K J).

“Serviceability Analysis of Wall–Beam Footing Systems”, Proc 10th IBMAC, Calgary, July, 1994, pp 459–468, (with Kleeman, P W and Bryant, I).

“Bond Studies in Masonry”, Proc 10th IBMAC, Calgary, July, 1994, pp 909–917, (with Lawrence, S J).

“The Australian Masonry Code”, Proc 10th IBMAC, Calgary, July, 1994, pp 1509–1518, (with Lawrence, S J), **(invited paper)**.

“Unreinforced Masonry Structures - An Australian Overview”, Proc. PCEE'95, Pacific Conference on Earthquake Engineering, Melbourne, Nov. 1995, Vol. 3, pp 1-16 **(invited Plenary Paper)**.

“Influence of the Macro and Micro Constituents of Air Entrained Mortars on Masonry Bond Strength”, Proc. 7th North American Masonry Conference, South Bend, Indiana, June, 1996, pp 230-241 (with Sugo, H.O., and Lawrence, S.J.).

“Serviceability Behaviour of Masonry Walls - A Three Dimensional Study”, Proc. 7th North American Masonry Conference, South Bend, Indiana, June, 1996, pp 348-359 (with Muniruzzaman, A.R., and Kleeman, P.W.).

“Australian Developments in the Use of Walls of Geometric Sections”, Proc. 7th North American Masonry Conference, South Bend, Indiana, June, 1996, pp. 1007-1019, (with Simundic, G.).

“Characterisation and Bond Strengths of Mortars with Clay Masonry Units”, Proceedings, 11th IBMAC, Shanghai, October, 1997, pp.59-68, (with Sugo, H.O. and Lawrence, S.J.).

“Australian Design Manual for Diaphragm Walls”, Proceedings, 11th IBMAC, Shanghai, October, 1997, pp.971-980, (with Simunidic, G.).

“A Mine Subsidence Resistant Masonry Housing System”, Proceedings, 11th IBMAC, Shanghai, October, 1997, pp.1134-1143, (with White, R.J.).

- "Improvements to the Bond Wrench Test", Proceedings, 11th IBMAC, Shanghai, October, 1997, pp. 347-356, (with Samarasinghe, W. and Lawrence, S.J.).
- "The Performance of Australian Masonry Housing Under Seismic Loads", Proceedings, 11th IBMAC, Shanghai, October, 1997, pp. 605-613, (with Kautto, J. and Kleeman, P.W.).
- "An Investigation of Transfer Length in Prestressed Hollow Clay Masonry", Proceedings 8th Canadian Masonry Symp., Jasper, Alberta, June, 1998, pp.587-598, (with Sriramula, R., Kleeman, P.W.).
- "The Influence of Lime and Methyl Cellulose on the Microstructure and Bond Strength of Mortars in Combination with Calcium Silicate Units", Proceedings 8th Canadian Masonry Symp, Jasper, Alberta, June, 1998, pp.348-359, (with Sugo, H.O., and Lawrence, S.J.).
- "Seismic Behaviour of Australian Masonry Veneer", Proceedings 8th Canadian Masonry Symp., Jasper, Alberta, June, 1998, pp.139-149, (with Kautto, J., and Kleeman, P.W.).
- "Full Scale Tests on Mine Subsidence Resistant Masonry Housing", Proceedings 8th Canadian Masonry Symp., Jasper, Alberta, June, 1998, pp.254-265, (with Simundic, G., and White, R.J.).
- "Masonry Research for the 21st Century – An Australian Perspective", Proceedings World Structures Congress, San Francisco, July, 1998, **(invited paper)**.
- "Seismic Design of Connections in Unreinforced Masonry Buildings", Proceedings World Congress, San Francisco, July, 1998, (with Griffith, M.C.). **(invited paper)**.
- "An Investigation of Connection Behaviour in an Unreinforced Masonry Structure Under Seismic Loads", Proceedings 8th NAMC, Austin, Texas, June, 1999, pp. 259-270, (with Chen Qi, and Griffith, M.).
- "Design Techniques for Masonry Housing Sited on Reactive Soils" ", Proceedings 8th NAMC, Austin, Texas, June, 1999, pp. 24-34.
- "Improving the Bond Strength of Mortars Overdosed with Air Entraining Agents", Proceedings 8th NAMC, Austin, Texas, June, 1999, pp. 530-541 (with Sugo, H.O., and Lawrence, S.J.).
- "The Behaviour of Wall Ties Under Cyclic Loading", Proceedings 8th NAMC, Austin, Texas, June, 1999, pp. 753-764 (with Simundic, G., and Neville, T.L.).
- "Lower Bound Limit Analysis of Unreinforced Masonry Shear Walls", Proceedings NUMOG Conference, September, 1999, Graz, Austria (with Sutcliffe, D.J, and Yu, H.S.).
- "A Study of Bond Strength and Mortar Microstructure Developed using Masonry Cement", Proc. 12th IBMAC, Madrid, June, 2000, pp. 1753-1763 (with Sugo, H.O., and Lawrence, S.J.).
- "The Cyclic and Long Term Behaviour of Slip Joints in Loadbearing Masonry Construction", Proc. 12th IBMAC, Madrid, June, 2000, pp. 1409-1420 (with Simundic, G., and Chen, Q.).

“A New Approach to the Prediction of Failure of Face-Shell Bedded Hollow Masonry Loaded in Eccentric Compression”, Proc. 12th IBMAC, Madrid, June, 2000, pp. 1397-1407 (with Kleeman, P.W., and Xie, H.).

“Limit Analysis of Aristotropic and Jointed Media – Application to Unreinforced Masonry Shear Walls”, Proc. 12th IBMAC, Madrid, June, 2000, pp. 1765 -1776 (with Sutcliffe, D.J., and Yu, H.S.).

“Improving the Shear Resistance of Masonry”, Proc. 12th IBMAC, Madrid, June, 2000, pp. 1075 -1084 (with Lissel, S.L., Simundic, G., and Shrive, N.G.).

“Prestressed Masonry – recent Australian Research and Code Provisions”, Proc. 2001 Structures Congress, ASCE, May 2001, Washington D.C., Peter C. Chang (ED.) **(invited paper)**

“Experimental Identification of Moisture Transport Parameters for Brick and Mortar”, Proc 9th Canadian Masonry Symp, Frederickton, June 2001 (with Totoev, Y and Sugo H.O).

“The Development of Mortar/Unit Bond”, proc. 9th Canadian Masonry Symp, Frederickton, June 2001, Paper 2D – 2 (with Sugo H.O and Lawrence S.J).

“The Effect of Slip Joints on Lateral Load Distribution in Loadbearing Masonry Shear Wall Systems”, Proc. 9th Canadian Masonry Symp, Frederickton, June 2001, Paper 3H-1 (with Sutcliffe, D.)

“Long-term Shear Transfer Properties of Horizontal Slip Joints in Loadbearing Masonry”, Proc 9th Canadian Masonry Symp, Frederickton June 2001, Paper 3H- 4 (with Totoev, Y. and Simundic, G.)

“Small Scale Direct Tension Test for the Determination of bond Strength and Mortar Microstructure in Masonry”, Proc. RILEM Tech. Committee 177MDT Workshop on Site Control and Non-Destructive Evaluation of Masonry Structures and Materials”, Mantova, Italy, Nov. 2001 (with Sugo, H.O. and Lawrence, S.J.) **(invited paper)**

“The Influence of Blended Cements on Masonry Bond Strength – An Ongoing Study”, Proc. Of ICPCM Conf – A New Era of Building, Cairo, Egypt, Feb 2003 (with Sugo, H.O and Lawrence, S.J.)

“Permeability and Bond in Clay Masonry” Proc. Of ICPCM Conf. – A New Era of Building, Cairo, Egypt Feb 2003 (with Totoev, Y.Z and Ray, A)

“Study of Masonry-Mortar Interfaces Using Novel Laboratory Scale Equipment”, Proc. of CCC2003 Composites in Construction Conf. Rend, Italy, Sept 2003 (with McNulty, J, Ray, A, Sugo, H.O. and Totoev, Y.J.)

“Slick Bricks – A Masonry System for the 21st Century”, Proc of ICPCM Conf – A New Era of Building, Cairo, Egypt, Feb 2003 (with Simundic, G, and Inglis, C.)

Clark, M.G., Sugo, H.O., Page, A.W., “Thermal Performance of Australian Masonry Housing – A Preliminary Study”, Proc. 9th NAMC, Clemson, South Carolina, June, 2003, pp 597 - 608

Totoev, Z.Y., Page, A.W., Simundic, G., “Shear Transfer Capacities of Horizontal Slip Joints in Masonry at Different levels of Vertical Load”, Proc, 9th NAMC, Clemson, South Carolina, June, 2003, pp791-800

Correa, R.S.M, Page, A.W., "Experimental Study of Masonry Walls with Openings", Proc, 9th NAMC, Clemson, South Carolina, June 2003, pp 896-907

Testone, T, Sugo, H.O., Page, A.W., Lawrence SJ, "A Study of Mortar Durability Using the Scratch Test", Proc. 13th IBMAC, Amsterdam, July, 2004, pp 855-864

Bosiljkov, V, Simundic, G., Page, A.W. "An Experimental Study of the Composite Behaviour of Masonry Geometric Sections", Proc. 13th IBMAC , Amsterdam, July 2004, pp 353-360

Bokan-Bosiljkov, V, Sugo, H.O, Page, A.W., Lawrence, S.J., "The Influence of Cement Replacement Materials on the Flexural Bond Strength of Masonry", Proc. 13th IBMAC, Amsterdam, July, 2004, pp 865-874

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Masia, M.J, Han, Y, Lawrence, S.J., Page, A.W., "An Experimental Study of Brick Masonry Specimens Subjected to Biaxial Bending", Proc. 13th IBMAC, Amsterdam, July, 2004, pp 285-294

Nelson R, Fityus, S., O'Connor, J, Page, A.W., Hogarth, W., "The Science and Engineering Challenge: An Innovative and Effective Approach to Promoting Vocations in Engineering", Proc. ASEAN Australian Eng. Congress 2004, Sabah, Malaysia, May, 2004

Page A.W., "Australian Masonry at the Crossroads", Proc 10th Canadian Masonry Symposium, Banff, June 2005, pp 172 -180

Sugo H.O., Moghtaderi B and Page A.W. "The Study of Heat Flows in Masonry Walls in a Thermal Test Building", Proc. 10th Canadian Masonry Symposium, Banff, June 2005, pp 191 - 201

Han Y, Masia M.J., Lawrence S.J. and Page A.W., "Preliminary Finite Element Modelling of Four Brick Unit Specimens Subjected to Bending", Proc 10th Canadian Masonry Symposium, Banff, June 2005, pp 752 – 761

Luo C., Moghtaderi B., Sugo H. and Page A.W., "The Verification of Finite Volume Based Thermal Performance Software Using Analytical Solutions and Measurements", Proc. IBPSA Australasia 2006 Conference

Han Y., Masia M.J., Lawrence S.J., Page A.W., "Experimental Study of Four Brick Unit Specimens Subjected to Bending", Proc. 7th Int. Masonry Conf., London, October, 2006

Sing-Sang P., Totoev Y., Page A.W., "Lateral Load Distribution in Multi-storey Loadbearing Masonry Construction", Proc. 7th Int. Masonry Conf., London, October, 2006

Sing-Sang P., Totoev Y., Page A.W., "Earthquake Shear in Loadbearing Masonry Buildings – A Dynamic Time History Analysis", Proc. 10th NAMC, St Louis, June, 2007, pp 884-896.

Sugo H.O., Page A.W.,Moghtaderi B., "The Thermal Performance of Cavity Brick and Brick Veneer Thermal Test Modules Containing a Window", Proc. 10th NAMC, St Louis, June, 2007, pp 165-177.

Page A.W., Simundic G., Masia M., "Wall Tie Behaviour in Cavity and Veneer Wall Systems", Proc. 10th NAMC, St Louis, June, 2007, pp 323-334.

Masia M.J., Yan Han, Player C.J., Correa M.R.S., Page A.W., "Torsion Shear Test for Mortar Joints in Masonry: Preliminary Experimental Results", Proc. 10th NAMC, St Louis, June, 2007, pp 968-979.

Luo C, Moghtaderi B, Sugo S, Page A.W., "Time Lags and Decrement Factors for Multi-layer Materials", Building Simulation 2007, Proc. 10th Int. Building Performance Simulation Association, Beijing, China, Sept, 2007, (pp. 95-100)

Lawrence S.J., Page A. W., "New Australian Standards for Masonry in Small Structures", Proc. 14 IBMAC, Sydney, Feb., 2008

Lawrence S.J., Testone T., Sugo H.O. & Page A.W., "An Investigation of Factors Affecting the Durability of Masonry Mortar", Proc. 14 IBMAC, Sydney, Feb., 2008

Gregory K.E., Moghtaderi B., Sugo H. & Page A.W., "A Thermal Performance Study of Common Australian Construction Systems in Building Envelopes", Proc. 14 IBMAC, Sydney, Feb. 2008

Alashaary H. Moghtaderi B., Sugo H. and Page A.W., "Application of Neuro-fuzzy Model to Evaluate the Thermal Performance of Typical Australian Residential Masonry Buildings", Proc. 14 IBMAC, Sydney, Feb. 2008

Totoev Y., Sing-Sang P., and Page A.W., "Empirical Redistribution Procedure to Improve Accuracy of Linear Elastic Analysis of Shear Walls in Load-Bearing Masonry", Proc. 14IBMAC, Sydney, Feb. 2008

Sugo, H.O., Hands, S.A. & Page, A.W., "Thermal Performance of Australian Masonry Housing- Heating/Cooling Demands Under Spring Conditions", Proc. 14IBMAC, Sydney, Feb., 2008

Alash'ary H.A., Moghataderi B., Page A.W. & Sugo H.O., "Application of Neuro-Fuzzy Model to Evaluate the Thermal Performance of Typical Australian Residential Masonry Buildings – II", Second Canadian Conf. on Effective Design of Structures, Hamilton, Ont., Canada May, 2008

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"The Failure of Masonry Under Biaxial Stress", Proc 2nd Australasian Conference on Engineering Materials, Sydney, 1981, pp. 665-675.

"A Finite Element Model for the Analysis of Brickwork", Proc 9th Australasian Conference on the Mechanics of Structures and Materials, Sydney, 1984, pp.262-268, (with Dhanasekar, M. and Kleeman, P.W.).

“The Influence of Masonry Infill on the Behaviour of Structural Frames”, Proc Concrete '85, The Institution of Engineers, Australia, Brisbane, 1985, (with Dhanasekar, M. and Kleeman, P.W.).

“The Use of Discrete Crack Modelling in the Finite Element Analysis of Concentrated Loads on Masonry”, Proc 10th Australasian Conference on the Mechanics of Structures and Materials, Adelaide, 1986, pp.193-198, (with Ali, S.).

“The Design of Masonry Walls Subjected to Concentrated Loads”, Proc 1st National Structural Engineering Conference '87, The Institution of Engineers, Australia, August, 1987, (with Ali, S. and Kleeman, P.W.).

“Newcastle Earthquake – Behaviour of Structures – Patterns of Failure”, Proc Conference on Newcastle Earthquake, The Institution of Engineers, Australia, Newcastle, February, 1990, pp. 39-42.

“Concentrated Loads on Masonry (with particular reference to the SAA Masonry Code)”, Proc 2nd National Structural Engineering Conference, The Institution of Engineers, Australia, Adelaide, October, 1990, pp.430-434.

“Structural Aspects of the Newcastle Earthquake”, Proc 2nd National Structural Engineering Conference, The Institution of Engineers, Australia, October, 1990, pp. 305-312, (with Kleeman, P.W, Stewart, M.G. and Melchers, R.E.).

“Subsidence Resistant Masonry Housing”, Proc Conference on Buildings and Structures Subjected to Mine Subsidence, Mine Subsidence Technology Conference, The Institution of Engineers, Australia, Maitland, August, 1991, pp 219–228, (With White R W).

“Quality Control in Masonry Construction – The Lessons from the Newcastle Earthquake”, Newcastle Earthquake: An Appraisal, Professional Education Workshop, Newcastle City Council, October, 1991, **(invited paper)**.

“Modelling the In–Plane Behaviour of Solid Masonry Under Static Loading”, International Workshop on Unreinforced Hollow Clay Tile, San Francisco, September, 1992, **(invited paper)**.

“Masonry and the Newcastle Earthquake”, Proc AIBS Conference, Gold Coast, October, 1992, **(invited paper)**.

“Masonry Education for Engineers in Australia”, Proc 3rd Canadian Masonry Professors Workshop, Hamilton, Ontario, June, 1993, **(invited paper)**.

“Masonry Courses at the University of Newcastle”, Proc 3rd Canadian Masonry Professors Workshop, Hamilton, Ontario, June, 1993, **(invited paper)**.

“Development of Serviceability Criteria for Masonry Structures”, Proc 13th Australasian Conference on the Mechanics of Structures and Materials, Wollongong, July, 1993, pp 657–664, (with Kleeman, P W).

“Modes of Failure of Face–Shell Bedded Masonry Under Eccentric Compression”, Proc 13th Australasian Conference on the Mechanics of Structures and Materials, Wollongong, July, 1993, pp 953–960, (with Kleeman, P W and Xie, H).

“The Effects of Foundation Hogging and Sagging on Masonry Walls”, Proc 3rd National Structural Engineering Conference, The Institution of Engineers, Australia, Sydney, September, 1994, pp 665-671 (with Kleeman, P.W., and Bryant, I.).

“Serviceability Analysis of Wall-Beam Footing Systems”, Proc., Buildings and Structures subject to Ground Movement, IEAust, Newcastle, Feb, 1995, pp. 19-28.

“A Closer Look at the Structure of Mortars and the Effects of Air Entraining Agent on Bond Strength”, Proc. 4th Australasian Masonry Conf., Sydney, Nov. 1995, pp. 284-294, (with Sugo, H.O., and Lawrence, S.J.).

“The Impact of the Earthquake Loading Code on Masonry Housing”, Proc., 4th Australasian Masonry Conference, Sydney, Nov. 1995, pp 160-170, (with Kautto, J.).

“Testing of Post-Tensioned Hollow Masonry”, Proc, 4th Australasian Masonry Conf., Sydney, Nov. 1995, pp. 228-239, (with Graham, K.J.).

“Influence of Age on the Development of Bond Strength”, Proc. 4th Australasian Masonry Conf., Sydney, Nov. 1995, pp. 299-307, (with De Vitis, N., and Lawrence, S.J.).

“Mortar Bond - a Major Research Program”, Proc. 4th Australasian Masonry Conf., Sydney, Nov. 1995, pp. 31-37, (with Lawrence S.J.), **(invited paper)**.

“Codes Overview - Masonry Connectors and Accessories and Strengthening of Buildings for Earthquakes”, Proc. 4th Australasian Conf., Sydney, Nov. 1995, pp. 97-102; **(invited paper)**.

“A Preliminary Report of a Three Dimensional Study of Masonry Subjected to Foundation Movements”, Proc. 14ACMSM, Hobart, Dec. 1995, pp. 569-574, (with Muniruzzaman A.R.M., and Kleeman, P.W.).

“Future Developments and Proposed Changes to AS3700” Masonry Structures Code”, Proc. “The Darwin Summit”, the Institution of Engineers, Australia, April, 1996, pp. 177-184, **(invited paper)**.

“The Modelling of Masonry Veneer Under Dynamic Load”, Proceedings, 15th Australasian Conference on the Mechanics and Structures and Materials, Melbourne, December, 1997, pp.645-650, (with Kautto, J. and Kleeman, P.W.).

“Investigations of the Bond Wrench Method of Testing Masonry”, Proceedings, 15th Australasian Conference on the Mechanics and Structures and Materials, Melbourne, December, 1997, pp.651-656, (with Samarasinghe, W. and Lawrence, S.J.).

“A Study of Bond Mechanisms in Masonry”, Proceedings, 15th Australasian Conference on the Mechanics and Structures and Materials, Melbourne, December, 1997, pp. 657-662, (with Sugo, H.O. and Lawrence, S.J.).

“Serviceability Design for Masonry Structures Subjected to Foundation Movement”, Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp.255-264, (with Masia, M.J., and Kleeman, P.W.).

“The New Australian Standard for Masonry Structures (AS3700-1998)”, Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp.303-308.

“An Integrated Study of Masonry Bond Strength”, Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp.309-318, (with Lawrence, S.J.).

“Standardising the Bond Wrench”, Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp. 335-344, (with Samarasinghe, and W., Lawrence, S.J.).

- “Pre-tensioned System for Panelised Masonry” Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp.355-364, (with Sriramula, R.).
- “Influence of Age on Bond Strength and Mortar Microstructure in Clay Brickwork”, Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp.365-374 (with Sugo, H.O., and Lawrence, S.J.).
- “The Use of a New Prism to Define the Behaviour of Face-Shell Bedded Hollow Concrete Masonry Under Axial Compression”, Proc 5th Australasian Masonry Conference, Gladstone, July, 1998, pp.417-426, (with Xie, H., and Kleeman, P.W.).
- “The Serviceability Behaviour of Masonry Subjected to Mine Subsidence or Shrink-Swell Effects”, Proc. Buildings and Structures Subject to Ground Movement, Mine Subsidence Technological Society, IEAust, July, 1998, pp.107-116, (with Muniruzzaman, A.R.M.).
- “Development and Full Scale Testing of a Mine Subsidence Resistant Masonry Housing”, Proc. Buildings and Structures Subject to Ground Movement, Mine Subsidence Technological Society, IEAust, July, 1998, pp.117-130, (with White, R.J.).
- “Engineering and Technology Teaching Package for Primary and Secondary Schools”, 10th Australasian Conference on Engineering Education, Gladstone, September, 1998, pp. 571-575 (with Yarwood, J.I.).
- "Masonry Construction - Have we learnt Anything from the Newcastle Earthquake?", Proc. "The 10th Anniversary of the Newcastle Earthquake - Lessons Learnt", Aust. Earthquake Engineering Society, Sydney, September, 1999, Paper No 3.
- “Computational Mechanics – Limit Analysis of Unreinforced Masonry Shear Walls”, 16th Australasian Conf on the Mechanics of Structures and Materials, Dec. 1999, Sydney
- “An Innovation in Masonry Education”, Proc. 6th Australasian Masonry Conf, Adelaide, July 2001, pp. 269 – 278 (with Lawrence, S.J.)
- “Earthquake Performance of Veneer Ties”, Proc. 6th Australasian Masonry Conf., Adelaide, July 2001, pp 325 – 336 (with Simundic, G)
- “The Influence of Air Entraining Agents on Bond Strength and Mortar Microstructure”, Proc. 6th Australasian Masonry Conf, Adelaide, 2001, pp. 357 – 366 (with Sugo, H.O and Lawrence S.J.)
- “Sensitivity Analysis of Masonry Shear Walls Using Lower Bond Limit Analysis”, Proc. 6th Australasian Masonry Conf., Adelaide, July 2001, pp 379 – 392 (with Sutcliffe, D and Yu, H.S)
- Page, A.W., “Masonry in Australia – Past, Present and Future”, Proc. 7th Australasian Masonry Conference, Newcastle, July, 2004, pp 1 – 11 (**invited keynote paper**).
- Page, A.W., Sugo, H.O., Lawrence, S.J., “The Influence of Cement Type, Age and Curing Conditions on Masonry Bond Strength, Proc. 7AMC, Newcastle, July, 2004, pp 171-181
- Sugo, H.O., Page, A.W., Moghtaderi, B, “Experimental Study of the Thermal Performance of Australian Masonry Housing – an Overview”, Proc 7AMC, Newcastle, July, 2004, pp 192-203

Testone, T, Sugo H.O., Page, A.W., Lawrence, S.J, "A Study on Factors Affecting Mortar Durability Using the Scratch Test – Preliminary Results", Proc. 7AMC, Newcastle, July, 2004, pp 236-245

Bosiljkov, V, Simundic, G, Page, A.W., "An Analytical Study of the Composite Behaviour of Masonry Geometric Sections", Proc. 7AMC, Newcastle, July, 2004, pp 466-475

Sing-Sang P. Totoev, Y, Page A.W., "Distribution of Lateral Loading in Loadbearing Masonry Construction", Proc ASEC 2005, Newcastle, Sept 2005

Lawrence S.J., Sugo H.O., Page A.W., "Masonry Bond Studies Using Supplementary Cementitious Materials", Proc ASEC 2005, Newcastle, Sept 2005

Luo, C., Moghtaderi B., Sugo H., Page A.W., "The Verification of Finite Volume Based Thermal Performance Software Using Analytical Solutions and Measurements", IBPSA Australasia 2006 Conference, Adelaide

Sugo H., Page A.W., Inglis C., "Thermal Performance Studies at the University of Newcastle", Proc. ANZES Solar 07, Alice Springs, Oct 2007

Dhanasekar M., Shrive N.G. & Page A.W., "On the Design of Wide Spaced Reinforced Masonry Shear Walls", ACM20 (submitted)

Other Publications

"Structural Brickwork – A Literature Review", Engineering Bulletin CE4, The University of Newcastle, 1978

"The In-Plane Deformation and Failure of Brickwork", PhD Thesis, The University of Newcastle, 1977

"A Model of the In-Plane Deformation and Failure of Brickwork", Engineering Bulletin CE8, The University of Newcastle, 1978

"A Study of the Influence of Brick Size on the Compressive Strength of Calcium Silicate Masonry", Engineering Bulletin CE13, The University of Newcastle, 1984

"A Computer Program for the Analysis of Brick Masonry Subjected to In-Plane Loads", Vol 1 and Vol 2, Department of Civil Engineering and Surveying Research Report No 004.5.1985, The University of Newcastle (with Dhanasekar, M)

"A Computer Program for the Analysis of Solid Brick Masonry subjected to Concentrated Loads", Vol 1 and Vol 2, Department of Civil Engineering and Surveying Research Report No 017.12.1985, The University of Newcastle, (with Ali, S)

"Elastic Finite Element Study of Solid Masonry Subjected to Concentrated Loads", Department of civil Engineering and Surveying Research Report No 021.04.1987, The University of Newcastle, (with Ali, S).

"Multiple Level Substructuring in the Finite Element Analysis of Masonry Subjected to Concentrated Load", Department of Civil Engineering and Surveying Research Report No 023.06.1987, The University of Newcastle, (with Ali, S)

“Proposed Design Rules for Concentrated Loads on Masonry”, Discussion Paper, Seminar on Concentrated Loading, British Ceramic Society, October, 1987

“Design of Masonry for Compression and/or Shear”, Standards Association of Australia Seminars on AS3700 SAA Masonry Code, May, 1989

“A Study of the In-Situ Properties of Capping Materials Used in Compression Tests”, Department of Civil Engineering and Surveying Research Report No 040.06.1989, The University of Newcastle, (with Kleeman, P.W.)

“Designing to the New Masonry Code”, Proc. Concrete Institute of Australia Seminar, Brisbane, August, 1990

“The Newcastle Earthquake – A Preliminary Report”, Department of Civil Engineering and Surveying, The University of Newcastle, February, 1990 (with Melchers, R.E)

“Preliminary Report on the Newcastle Earthquake”, Civil College Technical Report, The Institution of Engineers, Australia, June, 1990, pp 4 – 6.

“Who is Responsible for the Design and Construction of Masonry?”, Civil College Technical Report, The Institution of Engineers, Australia, September, 1990, pp 1 – 3

“Assessment of Draft Australian Standard DR91094.3 Minimum Design Loads on Structures – Part 4: Earthquake Loads”, Department of Civil Engineering and Surveying Research Report, The University of Newcastle, June 1991

“Quality Control in Masonry Construction – The Lessons From The Newcastle Earthquake”, National Masonry Seminar, “Masonry QA – Drawing Board to Site”, Newcastle, Nov. 1991

“The Design, Detailing and Construction of Masonry – The Lessons From The Newcastle Earthquake”, Department of Civil Engineering and Surveying Research Report No 073.03.1992, April 1992

“Common Abuses in Masonry Construction:”, Paper presented to the CSIRO Seminar “Achieving Quality Masonry Construction”, Sydney, July 1992

“The Facts About Mortar:”, Department of Civil Engineering and Surveying Publication, May, 1992

“Masonry Education for Engineers”, Proc. 2nd National Masonry Seminar, Melbourne, Nov. 1992 (**Invited Paper**)

“Cracking in Masonry Housing – A Review”, Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No085.05.1993, May 1993

“Durability of Masonry Mortar – A Review, Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No 088.11.1993, August, 1993

“Revised Standards Methods of Sampling and Testing Masonry Unit and Segmental Pavers; Connectors and Accessories for Masonry Construction”, Proc. 3rd National Masonry Seminar, Brisbane, July 1994, (**Invited Paper**)

“Post-Tensioned Hollow Masonry”, Proc 3rd National Masonry Seminar, Brisbane, July, 1994 (with Graham, K.J)

"A Note on the Shear Capacity of Membrane Type Damp-Proof Courses", Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No 098.05.1994, (with Sparkes, D.R.)

"Developments in Masonry: Part 1 – Walls of Geometric Section:", Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No 104.09.1994, (with Phipps, M.E)

"Developments in Masonry: Part 1 – Walls of Geometric Section", Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No 103.09.1994, (With Phipps, M E)

"Developments in Masonry: Part 2 – Reinforced and Prestressed Masonry", Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No 104.09.1994, (With Phipps, M E)

"Achieving Quality in Masonry Construction", Proc. Of Annual Conference of Building Designers Association of NSW, Nov, 1994 (**invited paper**)

"The Strength of Hollow Masonry Walls Under Concentrated Vertical Loads", Department of civil Engineering and Surveying. The University of Newcastle, Research Report No 109.03.1995 (with Kleeman, P.W., and De Vitis, N.)

"Unreinforced Masonry Structures – An Australian Overview", A.W. Page, CBPPO Research Paper 15, August, 1995

"A Design Procedure for Cavity and Veneer Wall Ties, Department of Civil Engineering and Surveying, The University of Newcastle, Research Report No. 137.5.1996 (with Kautto, J. and Kleeman, P.W.)

"Earthquakes and Unreinforced Masonry Structures – An Australian Overview", Department of Civil Engineering and Surveying, The University Of Newcastle, Research Report No. 136.4.1996

"A Report on the State-Of-The-Art Masonry Construction in Australia", Department of Civil Surveying and Environmental Engineering Research Report, The University of Newcastle, June, 1997.

"A Preliminary Study of the Seismic Behaviour of Slip Joints and Joints Containing Membranes in Masonry Structures", Department of Civil, Surveying and Environmental Engineering, The University of Newcastle, Research Report No. 160.02.1998

"The New Australian Standard for Masonry Structures", Proceedings of Masonry Code Seminar Series, Standards Australia, May 1999, pp 3-14

"The Interaction of Load-Bearing Masonry Walls Subjected to Vertical Loads", Correa, M.R.S. and Page, A.W., Department of Civil, Surveying and Environmental Engineering, Research Report No 218.12.2001, December, 2001.

"Masonry Structures – How well do we design and build them", The Global Standard Vol 1, May 2003 (Standards Australia)

"Vertical Shear Capacity of Masonry Geometric Sections", Bosiljkov, V., Simundic, G., Page, A.W., Civil, Surveying and Environmental Engineering, Research Report No 250.01.2005,

“A Numerical Model for Analysis of Lateral Load Distribution in Loadbearing Masonry Construction”, Sing-Sang, P., Totoev, Y., Page, A.W., Centre for Infrastructure Performance & Reliability, Research Report No.256.10.2005, October, 2005

Competitive Research Grants

Investigators	Source	Project	Duration	Amount
Page	ARC (Large)	The Deformation and Failure of Masonry Under Biaxial Stress	1981-1986	\$70,000
Page and Kleeman	ARC (Large)	The Deformation and Failure of Masonry Under Triaxial Stress	1987-1989	\$52,000
Page and Kleeman	ARC (Small)	Concentrated Loads on Face-Shell Bedded Hollow Masonry	1991	\$10,000
Page, Melchers and Kleeman	ARC (Large)	Cracking in Masonry and Reinforced Concrete – A Study in Structural Serviceability	1991-1995	\$418,000
Page	ARC (Small)	A Pilot Study of the Mechanism of Bond	1993	\$11,000
Page and Kleeman	ARC (Small)	Concentrated Loads on Face-Shell Bedded Hollow Masonry	1993	\$10,000
Page and Lawrence	ARC (Large)	A Fundamental Study of the Mechanism of Bond in Masonry	1994-1996	\$205,022
Page	ARC (Small)	A Study of the Factors Influencing the Rate of Development of Masonry Bond Strength	1994-1995	\$24,146
Page and Melchers	ARC (Large)	Cracking in Masonry Structures – A Study in Structural Serviceability	1996-1998	\$155,937
Page and Griffith		Seismic Design of Connections in Unreinforced Masonry	1997-1999	\$90,000
Page and Totoev	ARC (Small)	Dynamic Properties of Masonry	1997	\$8,500
Page and Lawrence	ARC (Large)	A Fundamental Study of Masonry Bond Strength	1998-2000	\$194,000
Page and Yu	ARC (Small)	Single Surface Plasticity Interface Model for Nonlinear Modeling of Masonry	1998-2000	\$48,000
Page	STAP	Teaching Package “Engineering Our Future”	1998-2000	\$76,000
Melchers and Page	RIEF	Universal Testing Machine	1999	\$430,000
Page, Rae and Totoev	ARC (Large)	A Study of Moisture Transport Between Fresh Mortar and Bricks During Masonry Construction and Curing	2000-2002	\$197,500
Terrock Pty Ltd, Page and Wilson	ACARP	Structure Response to Blast Vibration	2000-2001	\$150,000
Page and Melchers	RIEF	Very Stiff 3-D Structural Testing Facility	2001	\$409,500
Page	ARC (Discovery)	The Influence of Cement Type Age and Curing Conditions on the Flexural Capacity of Masonry Walls	2002-2004	\$150,000
Page, Moghtaderi and Sugo	ARC Linkage and CBPI	The Development of a Hybrid Energy Simulation Model for Masonry Enclosures	2003-2006	\$315,000
Moghtaderi, Page, and Sugo	ARC Linkage and CBPI	Experimental Modelling of Masonry Buildings Thermal Performance	2004-2007	\$85,500
Page, O’Connor, Holbrook and Bourke	ARC Linkage, Engineers Australia & Ampcontrol Ltd	The Identification and Development of Strategies of Increasing Engineering Enrolments	2005-2008	\$281,000
Moghtaderi and Page	ARC Linkage & CBPI	Smart Utilisation of Thermal Mass in Buildings	2006-2008	\$360,000

Stewart, Masia, Page & Lawrence	ARC Linkage and CBPI	Stochastic Modelling of Strength & Reliability of Masonry Walls Loaded in Flexure & Compression	2006-2009	\$107,940
Griffith, Masia, Page & Ingham	ARC (Discovery)	Earthquake Protection of Masonry Buildings Using Fibre Reinforced Polymer Strengthening	2008 - 2010	\$435,000
			Total	Total \$4,265,04

Other Grants and Industry Funding (excluding University of Newcastle Travel Grants)

Year	Description	Amount
1985-1991	Research Support from the Masonry Industry (CBPI, CMAA, Calsil Ltd)	\$36,000
1986	National Building Technology Centre	\$18,500
1987	Government of Canada	\$9,500
1987	Royal Society of Scotland	\$750
1989	University of Newcastle Research Grant (Serviceability of Structures)	\$15,000
1990	University of Newcastle Research Grant (Prestressed Masonry)	\$10,000
1992	The University of Newcastle (Anchorage Effects in Prestressed Masonry)	\$12,500
1992-1994	Wide Bay Brickworks and BHP (Prestressed Masonry Research Scholarship)	\$53,000
1992	CSIRO (Flat Jacks in Masonry)	\$5,000
1992-2004 2000 - 2008	Research Support from Masonry Industry (including CBPI Chair Support)	\$660,000
1995-1997	Masonry Bond Study – Industry Consortium of CBPI, CMAA & C & CA	\$135,000
1996-1997	Wide Bay Bricks and BHP (Panelised Masonry Research Scholarship)	\$40,000
2001 – 2003	Durability of Masonry Mortar (Cement and Concrete Association of Australia)	\$120,000
2002	Thermal Performance of Masonry Housing (CBPI)	\$110,000
2003	Thermal Performance of Masonry Housing (CBPI)	\$165,000
2005 - 2007	Thermal Performance of Masonry Housing (CBPI)	\$571,000
2006 - 2007	Thermal Performance of Roofing Materials (Roofing Tile Association of Australia Inc.)	\$153,500