

CONCLUSION

"This is Africa giving form to the informal" hopes to be a step towards addressing the needs of public that are usually marginalised and neglected. Streets are the most frequently used public spaces; there needs to be a new way of viewing them as public spaces that host a variety of activities and a wide range of users. In doing so the needs of both individuals and collectives needs to be analysed, accommodated and given the opportunity to co-exist in a democratic street.

Informal street traders are a group that uses this space most frequently but is seldom considered during planning. As many South Africans struggle to find jobs, informal trading seems to be the most efficient way to cater to the needs of the urban poor. Thus informal street trading is likely to be part of the South African socio-economic scene for many years to come and therefore needs to be viewed as more than a temporary and negative phenomenon.

A study of local contexts has revealed that although markets often occur spontaneously, management and design intervention can reduce conflict and clashes within the formal realm as well as between the informal and formal realms. Further, the form and organisation of markets usually favours relatively large traders at the expense of smaller more fragile ones. All this confirms that there is a need to think about market systems and management in a way that acknowledges the diversity of informal traders.

Interior architects are well suited to creating a democratic street, because in order for public spaces to function well, the design of small details must be taken into account. Public spaces are spaces for people, where upon entering users take part in a game of territorial claims. The details and components and objects of use in the market environment, in relation to the space and user, rather than the volumes determine the quality and usability of this public space. 'Giving form to the informal' hopes to have been a step towards accommodating street traders in the streetscape in a way that gives them maximum possible room to manoeuvre within the system whilst embodying the qualities of a democratic street.



BIBLIOGRAPHY

ANON. 2004. Peg and Joan's 2004 trip to Italy. [Online] Available from: <<http://www.gibbard.com/Italy2004.htm>> [Accessed 20 October 2010].

APPEL, M. 2008. *Joburg unveils first BRT station*. [Online] Available from: <<http://www.southafrica.info/business/economy/infrastructure/brtjoburg-051108.htm>> [Accessed 16 October 2010].

ASHBY, A and Kara, J. 2002. *Materials and Design, The Art and Science of Material Selection in Product Design*. Maryland Heights: Butterworth Heinemann.

BARKER, A. Studio Master University of Pretoria. 2010. Pretoria, Tshwane.

BLAKE, P. 1966. *Le Corbusier, Architecture and Form*. Baltimore: Penguin Books.

BOSTON FOOD AND WHINE. 2009. Venice fruit display. [Online] Available from: <<http://www.bostonfoodandwhine.com/wp-content/uploads/2009/03/veince-market2.jpg>> [Accessed 20 October 2010]

BUIE, S. 1996. Market as Mandala: The Erotic Space of Commerce. *The City Cultures Reader* (eds). MILES, M., HALL, T & IAIN BORDEN. London: Routledge: 26-28.

BUNSCHOTEN, R., HOSHINO, T & BINET, H. 2001. *Urban Flotsam: Stirring the City*. Rotterdam: 010 Publishers.

CHING, F. D. K. 1996. *Architecture. Form Space and Order*. 2nd ed. New York: John Wiley & Sons Inc.

CITY OF TSHWANE. n.d. *Re Kgabisa Tshwane*. [Online] Available from: <<http://www.rekgabisatshwane.gov.za/>> [Accessed 3 March 2010].

CORPRON, A & AUYEUNG, S (eds). 2007. *Yvonne Fehling & Jennie Peiz*. [Online] Available from: <<http://blog.sub-studio.com/2007/11/yvonne-fehling-and-jennie-peiz.html>> [Accessed 13 July 2010].

DECKLER, T., GRAUPNER, A., RASMUS, H. 2006. Metro Mall Transport Facility and Traders Market. In: SHEPHERD, S (ed.) *Contemporary South African Architecture in a Landscape of Transition*. Cape Town: Double Storey Books.

DEPARTMENT OF TRADE AND INDUSTRY. 2005. *Integrated Strategy on the Promotion of Entrepreneurship and Small Enterprises*. [Online] Available from: <<http://www.dti.gov.za/smme/strategy.pdf>> [Accessed 27 September 2010].

DESIGN APPLAUSE. 2010. Milan 2010. *Wrapping it up*. [Online] Available from: <<http://designapplause.com/2010/milan-2010-wrapping-it-up/9174/>> [Accessed 8 September 2010].

DEWAR, D. 2004. Urban Integration and Transformation: Future Imperative. *Architecture SA*. Suppl:39-4.

DEWAR, D. 1990. *Urban Markets. Developing Informal Retailing*. Routledge: London: 1-154.

DOBSON, R & LEES, J. 2008. Intuitive Process(es). Towards responsive urban architecture. *Architecture* 1(2008): 20-24.

DOBSON, R & SKINNER, C. 2009. Designing for and with street trade. The case of Warwick Junction. *Digest of South African Architecture* volume number(issue): 82-85.

DOBSON, R & SKINNER, C & NICHOLSON, J. 2009. *Working in Warwick, Including street traders in urban plans*. School of Development Studies, University of KwaZulu-Natal, Howard College Campus, Durban, 4017 Durban, 1-136. [Online] Available from: <<http://www.workinginwarwick.co.za/>> [Accessed 2010-05-03].

DORNOB. n.d. *Curved Outdoor Benches for Modular Conversationalists*. [Online] Available from: <<http://dornob.com/curved-outdoor-benches-for-modular-conversationalists/>> [Accessed 15 July 2010].

FINCH, P. 2005. Market Renewal. *The Architectural Review* 218(1305): 14-17.

FOWLER, H.W. & FOWLER, F.G. 1995. *The Concise Oxford Dictionary of Current English*. 9th ed. New York: Oxford University Press Inc.

FRANCIS, M. 1987. *The Making of Democratic Streets, in Public Streets for Public use*. New York: Van Nostrand Reinhold Company: 23-39.

FROISE, K. 2006. Additions to the International Convention Centre. *KZ-NIA Journal*. 31-Jan.

GARCIA, M. 2006. Prologue for a History and Theory of Architextiles. *Architectural Design*. November/December 2006:12-20.

GAUTRAIN RAPID RAIL LINK. 2007. *Welcome to My Train*. [Online] Available from: <<http://www.mytrain.co.za/>> [Accessed 16 October 2010].

GAVENTHA, S. 2006. *New Public Spaces*. London: Mitchell Beasley/Octopus Publishing Group Ltd: 1-208.

GEHL, J. 1987. *Life Between Buildings, Using public space*. New York: Van Nostrand Reinhold Company: 1-202.

HABRAKEN, N.J. 1998. *The structure of the Ordinary. Form and Control in the Built Environment*. Massachusetts: The MIT Press: 1-359.

HANSEN, L, architect, School of Architecture and Planning University of the Witwatersrand & Urban Solutions Architects and Urban Designers. 2010. Interview by author. [Transcript]. 25 March. Johannesburg.

HOLBERTON, M. 2007. *Hussein Chalayan... The art of architecture and fashion*. [Online] Available from: <<http://liveness.org/contaminated-life/?p=178>> [Accessed 30 May 2010].

HOME DOSH. 2010. *Kontrast Bench and Table by Uros Vitas*. [Online] Available from: <<http://www.homedosh.com/kontrast-bench-and-table-concept-by-uros-vitas/>> [Accessed 26 September 2010].

JACOBS, J. 1961. *The Uses of Sidewalks: Contact. The City Cultures Reader*, (ed). Miles, M., Hall, T & Iain Borden. London: Routledge: 16-1.

KENDALL, M (ed). 2008. *Education for an Open Architecture. Proceedings of the Joint Conference of CIB W104 and W110*. Muncie: Ball State University College of Architecture and Planning: 1-241.

KETLELE, S. Secretary of the Tshwane Informal Traders Working Committee. 2010. Interview by author. [Transcript]. 4 May. Pretoria CBD.

KHULA ENTERPRISE FINANCE. 2007. *Khula Corporate profile*. [Online] Available from: <<http://www.khula.org.za/content838.html>> [Accessed 7 March 2010].

KRIPPENDORFF, K & BUTTER, R. 1984. Product Semantics: Exploring the Symbolic Qualities of Form. *The Industrial Design Reader*, GORMAN, C (ed). New York: Allworth Press.

LE ROUX, P. 1999. The 1999 SA Architect Project Awards. *S.A. Architect* 99(Apr): 22-25.

LIMPANANONT, S. n.d. *Flexspace/Temporary Habitat*. [Online] Available from: <<http://www.unmodern.com/spatialdesign/projects/07/index.htm>> [Accessed 6 June 2010].

LYNCH, K. 1992. *The Image of the City*. Massachusetts: The MIT Press.

MACHETTI, L & QUINZ, E. 2009. *Fashion Built and unbuilt*. *Domus* magazine 926(June 2009): 30-35.

MALAN, C. 2005. *supaMARKET*. M dissertation, University of Pretoria, Tshwane.

MATHIME, M. 2006. *Declaration of certain streets and areas as restricted and prohibited for trading*. [Online] Available from: <http://www.tshwane.gov.za/documents/Informaltrade/Report_Informaltradeareas.pdf> [Accessed 6 March 2010].

MEGASTRUCTURE - RELOADED.ORG. n.d. *Yona Friedman Works* [Online] Available from: <<http://www.megastructure-reloaded.org/yonafriedman/>> [Accessed 2010-06-16].

MULTIPANEL UK LTD. 2007. *Aluminium Composite Panel*. [Online] Available from: <www.multipanel.co.uk> [Accessed 9 September 2010].

MEDIA CITY. 2009. *Change of state*. [Online] Available from: <http://mediacity.mit.edu/author/justin/> [Accessed 3 September 2010].

OSMAN, A & KÖNIGK, R. 2008. Informality as a legitimate energy in the city: *Housing and urban environments in South Africa. Education for an Open Architecture. Proceedings of the Joint Conference of CIB W104 and W110*, Kendall, S (ed.). Muncie: Ball State University College of Architecture and Planning: 192–199.

PUGH, J.D. 2004. *Parc de la Villette Paris*. [Online] Available from: <www.larch.umd.edu-DSW-LARC_263-examples-parc_le_la_villette_site> [Accessed 17 March 2010].

QUINN, B. 2003. *The Fashion of Architecture*. New York: Berg: 1-254.

RAMS, D. 1984. *Omit the Unimportant. The Industrial Design Reader*, Gorman, C. 2003 (ed). New York: Allworth Press.

REGINE. 2008. *Casa per Tutti/House for Everyone*. [Online] Available from: <http://we-make-money-not-art.com/archives/art_in_turin_and_milan/index.php?page=4> [Accessed 22 July 2010].

RENGEL, R.J. 2007. *Shaping Interior Space*. New York: Fairchild Publications, Inc.

ROWE, C & KOETTER, F. 1996. Collage City in, *Theorizing a new agenda for architecture, an anthology of architectural theory 1965-1995*, K. NESBITT (ed). New York: Princeton architectural press:266-293.

SLESSOR, C. 2005. Market Forces. *The Architectural Review* 218(1305): 3-12.

SOJA, E. 1969. Rural-Urban Interaction. *Canadian Journal of African Studies/ Revue Canadienne des Étude Africaines* 1(special issue): Rural Africa (Winter 1969): 284-290 Published by: Canadian Association of African Studies. [Online] Available from: <<http://www.jstor.org/stable/483607>> [Accessed 2010-19-04].

SOJA, E. 1980. The Socio-Spatial Dialect. *Annals of the Association of American Geographers*, 70:2, 207-225. [Online] Available from <<http://dx.doi.org/10.1111/j.1467-8306.1980.tb01308.x.pdf>> [Accessed 19 April 2010].

STRONGWELL CORPORATION. 2010. *Pultrusion Process*. [Online] Available from <<http://www.strongwell.com/pultrusion/>> [Accessed 20 October 2010].

STUDIO-ORTA. n.d. *Nexus Architecture Interventions 1993-1998*. [Online] Available from: <http://www.studio-orta.com/artwork_fiche.php?fk=&fs=10&fm=0&fd=0&of=2> [Accessed 16 July 2010].

STUDIO-ORTA. n.d. *Refuge Wear City Interventions 1993-1996*. [Online] Available from: <http://www.studio-orta.com/artwork_fiche.php?fk=&fs=1&fm=0&fd=0&of=0> [Accessed 4 August 2010].

TAPHAM, S. 2004. *Move House*. Munich: Prestel.

TRADE STRATEGY. 2005. *Trade Strategy 2005-2008. International Trade Institute of Southern Africa (ITRISA)* [Online] Available from: <<http://www.tshwane.gov.za/documents/econdev/TradeStrategyFramework.pdf>> [Accessed 6 March 2010].

UNIVERSITY OF PRETORIA. 2000. *Paul Kruger Street Spine. Urban Design Framework for the Improvement of the Environmental conditions on Paul Kruger Street*. University of Pretoria, University of Pretoria Reading Room 06615.

VERNEZ MOUDON, A. 1987. *Public Streets for Public use*. New York: Van Nostrand Reinhold Company: 1-351.

WOOD, E. 2008. Making Sense of Nonsense. *Architecture SA*.
2008/10: 60-63.