



CLAUDIA LOGGIA

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BUILDING ENGINEERING

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ITALY

Claudia is carrying out research on Green Buildings and Green Infrastructure for Developing countries, at the construction and environmental level. Her main focuses are energy efficient renovation of buildings and renewable energy integration-strategies at the urban level. Since March 2012, she is a Green Star SA Accredited Professional. She did her PhD in Engineering on "Sustainable retrofit of buildings and neighborhoods" at the University of Cagliari (Italy), where she has been lecturer for an undergraduate course at the Architecture Department, for four years when she arrived to South Africa in July 2011.

CURRENT RESEARCH

Topic	Methodology	Application
Green buildings and green infrastructure	<ul style="list-style-type: none">Critical analysis of the existing Green Building regulation in South Africa, through a theoretical approachCase study approach	Cato Manor project

UKZN main Publications

1. C. Trois, C. Loggia, V. Tramontin (2013) "Decentralised waste-to-energy as key strategy for systems integration approach towards energy self-reliant built environment in South Africa". Proceedings of the international conference "Sardinia_2013: 14th International Waste Management and Landfill Symposium" **ISBN**: 9788862650281 and **ISSN**: 2282-0027.
2. V. Tramontin, C. Loggia, C. Trois (2012) "Strategies for sustainable building design and retrofit in developing countries. New goals for green buildings in South Africa", paper published in the Journal of Construction, Volume 5, n⁰¹, **ISSN** 1994 -7402 pp. 12-17.

Past Researches

1. M. Argiolas, C. Loggia (2012) "Solar Community Model: a smart strategy for historic centres sustainable renovation". Published on the Proceedings of the "Third International Conference in Sustainability in Energy and Buildings", on "Sustainability in Energy and Buildings" Editors: M'Sirdi, N.; Namaane, A.; Howlett, R.J.; Jain, L.C. **ISBN**: 978-3-642-27508-1.

Future Interests

1. Low income informal settlements retrofit
2. Renewable energy sources integration at the Urban scale

Extra Interests

Languages, Drawings, Sea ☺