

INTRODUCTION

Education	BL Landscape Architecture University of Pretoria 78-82 ML Landscape Architecture Texas A&M University 84-86 PhD Landscape Architecture University of Pretoria 02-03
Affiliations	Professional Landscape Architect (SACLAP - PrLArch no. 97280) Institute of Landscape Architects (ILASA) International Association of Impact Assessment (IAIA) Certified Environmental Assessment Practitioner (pending) Registered Professional Landscape Architect – United States of America – New Jersey State. Past President of the Institute of Landscape Architects of South Africa Council for the Built Environment – Deputy President (sustainability portfolio) South African Council for Landscape Architectural Professions - Past President Education co-ordinator Gauteng International Association of Impact Assessors Technical Advisor (environment) Green Building Council – South Africa
Awards	ASLA Merit Award for Excellence in Landscape Architectural Studies. – 1985 (ML Studies) UP - Robert Gustav Schmickl Award for Best Progress in Post Graduate Study – 2001 (PhD Studies) Chris Mulder Scholarship for studies in Landscape Architecture - 1984 APEX, NJ - Achievement in Planning Excellence - 1990 ASLA - PDC Certificate of Recognition for Open Space and Recreation Planning – 1993 ASLA – National Design Award – 2000 ILASA – Merit Award - Bronberg Strategic Environmental Assessment ILASA – Merit Award– Dinokeng State of the Environment report and Environmental management parameters ILASA – Merit Award – Gongola Nature Reserve. ILASA – Merit Award – Gamawela Open Space Plan
Experience	
Currently	LEAP Landscape Architect & Environmental Practitioner - Pretoria, South Africa <i>Owner</i> Servicing clients personally with skills developed over more than 25 years in the industry of environmental planning, environmental assessment, strategic planning, master planning, sustainable development strategies and other land development expertise.
2007 to 2010	Golder Associates Africa (PTY) Ltd –Johannesburg, South Africa <i>Divisional Leader – Land Development</i> Responsible for securing new clients, servicing existing clients and ensuring quality that is being produced in the division. Furthermore, setting the vision and strategic growth in terms of the field of services within the division. Mentoring and training the younger members of the division.
2003 - 2007	African EPA - Pretoria, South Africa <i>Director</i> Contributing to the vision and strategic direction for the company. Setting up the Landscape Architecture and Environmental Practitioner unit in a historically Engineering focussed firm Project management.
1993 – 2006	University of Pretoria - Pretoria, South Africa <i>Senior Lecturer - Landscape Architect</i> Program Co-ordinator Honours in the Architecture, Landscape Architecture and Interior architecture programmes in the Faculty of Engineering, Built Environment and Information technology.
1990 – 1993	Wallace Roberts and Todd - Philadelphia Pennsylvania USA <i>Associate Landscape Architect</i> Junior Associate in a 60 person Landscape Architecture team of one of the largest International Design Firms with 3000 staff around the world.

- John Rahenkamp Consultants - Philadelphia Pennsylvania USA**
Senior Landscape Architect
 Senior Landscape Architect and Environmental Practitioner responsible for project managing projects and securing high quality production
- 1985 – 1990
- Jean Schlesinger Associates - Princeton, New Jersey USA**
Junior Landscape Architect
 Being the only junior landscape architect in a small design office whose largest client was the City of New York.
- 1983 – 1985
- Chris Mulder Associates - Pretoria, South Africa**
Junior Landscape Architect
 Working as a student and then a junior landscape architect in a large development and design firm
- Funded Research**
- Sustainability and Green Building Assessments – 2008 to 2010 Funded by Council for Built Environment (\$50 000.00)
 - Legal land use processes – 2008 - Funded by Construction Industry Development Board – (\$25000.00)
 - Cultural landscape identification and classification 2006 – Funded by South African Heritage Association (\$30000.00)
 - Tshwane name change background – funded by the City of Tshwane (\$120 000.00)
 - Environmental Potential Atlas for South Africa. 2002 to 2006 Funded the Dept. of Env. Affairs and Tourism (\$750 000.00 each year - largest funded project in the Dept for four years running)
 - Environmental Management Framework for Vredefort Dome World Heritage Site. 2007 Funded North West Province Department of Environmental Affairs and Economic Development. (\$45000.00)
 - Tourism Potential Atlas for South Africa 2002 to 2006 Funded the Dept. of Env. Affairs and Tourism (\$150 000.00 each year)
- Specialised Skills**
- Sustainable development strategies and Urban Design
 - Public participation
 - Social ecology
 - Environmental planning and Assessment
 - Strategic Environmental Planning
 - Legal land use processes
 - Art and Aesthetics in the Landscape
 - Social ecology
 - Landscape classifications

PROJECT RELATED EXPERIENCE

PROFESSIONAL SKILLS

Project Management and Quality Assurance

Managed, administered and coordinated wide spectrum of projects. Directed and coordinated corporate marketing plans. Prepared statements of qualifications, tracked project progress and costs, and review project for quality assurance and consistencies.

Urban and Landscape Design

Detail master plan, site development plan, construction documents and on-site supervision. Infrastructure design, landscape architectural design, graphic design, construction documentation and management.

- Vereninging Museum and Archeological Group **Free State, South Africa**
- Tzaneen Horticulture and Garden Club **Limpopo Province, South Africa**

- Pretoria City Council Horticulture and Garden Club **Tshwane, South Africa**
- Garankuwa YMCA park re-development and Urban Wildlife project. **Tshwane, South Africa**
- Voortrekker Monument Hiking & Biking Trail Planning **Tshwane, South Africa**
- Edge of the Sea **Durban, South Africa**
- Richmond Canal Restoration **Richmond, USA**
13 miles of waterfront along the St James' River in Richmond Virginia, USA. Including urban design, theme parks and canal walkway system.
- Fountains Hotel **Tshwane, South Africa**
Master plan and site design for a new five star hotel in the Groenkloof Nature Reserve, Pretoria.
- Centurion City Celebrating an Image Competition **Tshwane, South Africa**
- Irene Golf Club **Irene South Africa**
- Brynerton landscape Master Plan and detail implementation **Presidency, Tshwane, South Africa**
- National Roodeplaat Dog Training School **Dinokeng, South Africa**
- Project M – Manchester United Soccer academy **Irene, South Africa**
- Heritage Hill Residential Estate **Irene, South Africa**

Public Participation and Impact Assessment

Impact analysis including gathering and coordination of all environmental consultant's information, permit requirements, and preparation of applications, compilations and criteria for review of information, and impact statements for both natural and built environments.

- Badenhorst Estate **Brakpan, South Africa**
- EIA Loftus Sport Stadium **Tshwane, South Africa**
- Development of Multifunctional business centre, offices and sport complex.
- EIA and SDP for Bronkhorstspuit Dam Tourism Zone. **Bronkhorstspuit, South Africa**
- EIA and planning for the first onshore petroleum exploration in South Africa. **Kwa-Zulu Natal, South Africa**
- SEA and Implementation Strategy for the Bronberg **Tshwane, South Africa**
- EIA for Mabote Game Farm **Limpopo, South Africa**
- EIA Waterberg Game farm and eco residential estate **Bela Bela, South Africa**
- EIA Lion Park residential estate **Krugersdorp, South Africa**
- EIA The Hills golf and residential estate **Kungwini, South Africa**
- EIA Mooiplaats residential estate **Kungwini South Africa**
- EIA Maloney's Eye agricultural and residential estate **Krugersdorp, South Africa**
- EIA Subarbush residential estate **Krugersdorp, South Africa**

- EIA Honingklip retirement village **Krugersdorp, South Africa**
- EIA Riversands **Muldersdrift, South Africa**
- EIA Rivergate **Hazyview, South Africa**
- EIA DeRust, Business and Residential estate **Hartebeespoortdam, South Africa**
- Section 31 – Development Facilitation Act applications **South Africa**
 - Newbury office development
 - Hillside Office Development
 - Lynnwood Junction
 - Waterkloof Glen
 - Atterbury Towers
 - Lynnwood Retirement
 - Lanseria
 - Mabote Eco Estate
 - Monavoni Integrated Waste Management Facility
 - Maloney's eye
- Environmental programmes and sustainability guides **South Africa, USA**
Production of education programmes and curriculum for institutional (primary, secondary and Universities) as well as a green office guide for private business and corporations.

Tourism Planning with Community Benefits

Large scale game park analysis and planning to include environmental evaluation, capacity studies, lodge and infrastructure locations and optimisation of aesthetic characteristics. Lodge placement to include site layout, amenities design, facilities design and cost of construction determinate. Planning and design of adventure and leisure facilities to include construction package and development cost.

- Smuts House Conservancy **Irene, South Africa.**
- Community Concession Areas in Botswana **Moremi, Botswana**
Completion of Four Successful Competition Tender Documents for Abercrombie & Kent.
- Aventura - Master plan, design and construction. **Mpualanga, South Africa**
Also, on-site supervision of expansions to a hot water spring resort and water park, incl. chalets, river ride, hydro spa, golf course, nature trails and game park.
- Botswana –community benefit programmes **Okavango Delta and Chobe Nature Reserves, Botswana**
- Swaziland Tourism Development Master Plan for Tibyo Royal Trust. **Mbabane, Swaziland**
- Peace Parks for Africa **South Africa, Mozambique, Zimbabwe, Malawi, Tanzania**
Community benefit studies and strategic planning for growth planning.
- Xhosa Community Benefit Programme at the Kei River complex. **Pondoland, South Africa**

Strategic Planning and Feasibility Analysis

Prepare evaluation of the critical factors affecting development, including environmental analysis, physical site analysis, real estate market overview, community socio-economic analysis, and public policy analysis. Strategic planning involving pragmatic approaches to financing, regulatory agencies and potential users. Social Ecology programmes of the National Parks Board.

- Dinokeng – 254000km² regional game and tourism growth initiative **Gauteng, South Africa**
- Kruger, Gaza, Gonerazo, Trans Frontier Park SDI and SEA **South Africa, Zimbabwe, Mozambique**

- Makuleke Community Benefit Programme **Kruger National Park, South Africa**
- Blyde River National Park **Mpumalanga South Africa**
Development Proposal for expansion to include the Sand River and related Conservation areas.
- Galeshewe Open Space and Landscape Plan **Kimberley, South Africa**
- Frances Baard District Integrated Environmental Management Plan **Northern Cape, South Africa**
- Lebombo Strategic Development Initiative **South Africa Mozambique, Zimbabwe,**
- Bronberg Strategic Environmental Assessment **Tshwane, South Africa**
- Tshwane South West Quadrant - Integrated Environmental Management Plan. **Tshwane, South Africa**
- Mogogelo Nature Conservation and Physical Planning Proposals. **Magogelo Community, South Africa**
- Action Apies Workshops and Visioning Workgroup **Tshwane, South Africa**

Cultural Landscape assessments and specialist research

Complete extensive and comprehensive research projects with complicated methodologies with the purpose to compile data bases for the making or changing policy, creating workable frameworks, setting work processes and publish results.

- Modderfontein rehabilitation programme for Dynamite Factory One, Two and Three **Midrand, South Africa**
- Brynerton Conservation Management Plan **Tshwane, South Africa**
- Pondoland cultural resources assessment **Pondoland, South Africa**
- Addo Cultural resources assessment **Easter Cape Province, South Africa**
- Mapungubwe cultural resources assessment **Limpopo, South Africa**
- Bonjanala District cultural resources assessment **North West Province, South Africa**

Visual Impact Assessment

- Aesthetic, Land Use, Noise and Tourism Character & Impact Assessment for Mooinooi Chrome Smelter – Rustenburg.
- Benga Mine **Mozambique**
- Langkloof Smelter **South Africa**
- Mooinooi Chrome Smelter **Rusterburg, South Africa**
- Commercial Development Mlilwane **Mbabane, Swaziland**

GIS Specialisation

Specific application on Strategic Planning, Land Use Assessments and Land Use Planning

ENPAT/TOURPAT is an internationally unique environmental and tourism potential and decision-making system comprised of six main components. Each National, provincial and metropolitan product consist of all these aspects, which are:

1. Data base of biophysical characteristics
2. Data base of cultural historic characteristics
3. Spatial representation of the databases linked to the decision-making support system.

4. Decision-making support system
5. Contribution to design of a user-friendly display viewer that require no unusual hardware or software for use other than a personal computer.
6. Contents of report options that are linked to the spatial data sets and the informative parameters that are printed as part of an data query option.

PUBLICATIONS and CONFERENCES

- Theron, G, 2011 *Brownfield Land Development*. In Green Building Handbook. A guide to Ecological Design. South Africa Vol 3. Green Building Media.
- Theron, G, 2010 *Replace what you displace*. In Green Building Handbook. A guide to Ecological Design. South Africa Vol 2. Green Building Media.
- Theron, G, 2010 *Legislative Framework*. In Green Building Handbook. A guide to Ecological Design. South Africa Vol 2. Green Building Media.
- Theron, G, & Bothma, J, 2009 *The Ecology of Building and Landscape Design*. In Green Building Handbook. A guide to Ecological Design. South Africa Vol 1. Green Building Media.
- Theron, G, 2009 *The Ecology of Building and Landscape Design*. At Green Building Conference Johannesburg.
- Theron G, 2009 Taking the EIA 10 Steps Forward. At IAIA Conference Wilderness.
- Le Roux S, & Breedlove, G. 2004. *Die tuin wat Pierneef gemaak het*. In South African Cultural Historic Magazine. (23 pages)
- Bothma, J , Breedlove, G. *Computer-based Evaluation System for Energy Efficiency in Landscape Architectural Design of Suburban Residences*. 2004
- Breedlove, G. van Schalkwyk, T. *Landscape Art of South Africa* 2003
- Breedlove, G. 2002. *A systematics for mapping and managing heritage in a developing country*. Dakar. UNESCO. In Teaching World Heritage and New Technologies of Information and Communication in Africa. (6 pages)
- Breedlove, G. 2002. *A review of the proceedings from the UNESCO Forum Universities and Heritage*. In South African Cultural Historic Magazine.
- Gandy, R., Breedlove, G. *A comparative study of evaluation systems to implement SAMOAC in Pretoria*. 2002
- Breedlove, G, 2000. *Landscape Aesthetics – An Understanding of the Bio-physical Environment*. In Art and Landscape. International Federation of Landscape Architects – Athens, Greece (2 pages)
- Breedlove, G. 2000. *Associative Landscapes require Associative Management*. Refereed Paper delivered to UNESCO Forum – Universities and Heritage. Beirut Lebanon.
- Breedlove, Ben W., Gwen J. Breedlove, Wouter van Hoven and Willem van Riet. *Functional, Affordable, Aesthetical Urban Environmental / Habitat Design*. At the Third International Urban Planning and Environmental Management Symposium. April 5-9, 1999. Pretoria University South Africa.
- Breedlove, G. April 1999 *Functional, affordable, and aesthetic urban environmental habitat design*. The Third International Urban Planning and Environmental Management Symposium – South Africa.
- Breedlove, G. 1997. *Reconciling Development and Conservation Ethics*. International Association of Impact Assessors. South Africa National
- Breedlove, G. EPPIC 1999– *Environmental Management Beyond 2K*.
- Breedlove, G. Plantex 2003 – *Environmental Legislation – making it work for you*
- Breedlove, G. IAIA – 2002 – *Dinokeng Environmental Management Framework*
- ASLA National Conference – Phoenix Arizona – 1988
- ASLA Regional Conference – Philadelphia – 1992
- ASLA Regional Conference – New York - 1994
- IAIA - International Association of Impact Assessors. 1997
- International Federation of Landscape Architects - Athens - 1998
- UNESCO Forum – Beirut Lebanon 1999
- *A Systematics for Mapping and managing Heritage in a developing country*. Dakar. UNESCO. In Teaching World Heritage and New Technologies of Information and Communication in Africa. October 2002.
- Breedlove, G. Jordaan, F. Ed. *Enviro- Info 2001* CD. ISBN 1-86854-376-5
- Breedlove, G. van Riet, W.F., 1999. Gauteng Open Space Plan. Client – Gauteng DACEL.
- Breedlove, G., Jordaan, F. Ed. ENPAT National Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT Eastern Cape Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT Western Cape Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT Northern Cape Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT Northern Province Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT North West Province. 1998, 1999, 2000/2001

- Breedlove, G., Jordaan, F. Ed. ENPAT Kwa-Zulu Natal Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT Free State Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT Mpumalanga Atlas. 1998, 1999, 2000/2001
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT National Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Eastern Cape Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Western Cape Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Northern Cape Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Northern Province Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT North West Province Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Kwa-Zulu Natal Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Free State Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT Mpumalanga Atlas. 2001/2002
- Breedlove, G., Jordaan, F. Ed. Enviro- Info 2001. ISBN 1-86854-376-5
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 -National Atlas ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 -Richtersveld ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 -Kruger National Park ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 -Maluti Drakensberg ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 Cederberge -ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 Baviaanskloof -ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 Gouritz River -ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 Pondoland -ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 Addo National -Park ISBN pending
- Breedlove, G., Jordaan, F. Ed. ENPAT/TOURPAT 2002/2003 Lebombo SDI -ISBN pending