

## **CURRICULUM VITAE**

### **JO-ANNE THOMAS**

Profession : Environmental Consultant

Specialisation : Strategic environmental assessment and advice; project management and co-ordination of environmental projects; environmental compliance monitoring; Environmental Impact Assessment; environmental management; peer review; policy, strategy and guideline formulation; renewable energy projects, hydrology and water management

Work experience : 12 years

#### **SKILLS BASE AND CORE COMPETENCIES**

- » Twelve year's experience in the environmental field
- » Project management for a range of environmental processes undertaken for development projects
- » Identification and assessment of potential negative environmental impacts and benefits through the review and manipulation of data
- » Working knowledge of environmental planning processes, policies, regulatory frameworks and legislation
- » Identification of practical and achievable mitigation and management measures and the development of appropriate management plans
- » Compilation and review of environmental reports in accordance with relevant environmental legislative requirements
- » Formulation of environmental policies, strategies and guidelines
- » Undertaking public participation processes for a variety of projects
- » Providing strategic environmental advice to a wide variety of clients both in the public and private sectors
- » Registered Professional Natural Scientist (Registration No 400024/00)

#### **TERTIARY EDUCATION**

- » 1993, BSc (Earth Sciences), University of the Witwatersrand
- » 1994 BSc Hons (Botany), University of the Witwatersrand
- » 1996, MSc (Botany), University of the Witwatersrand

#### **EMPLOYMENT HISTORY**

- » 2006 – present: Savannah Environmental (Pty) Ltd: Director; Environmental Scientist
- » 1997 – 2005: Bohlweki Environmental (Pty) Ltd: Environmental Scientist

#### **SELECTED RELEVANT PROJECT EXPERIENCE**

- » EIAs and EMPs for various wind energy facility developments across South Africa
- » EIAs and EMPs for various solar energy developments across South Africa
- » Site selection for various development projects as part of Environmental Impact Assessment processes for various projects throughout South Africa
- » Opportunities and constraints assessment for various development projects as part of Environmental Impact Assessment processes for various projects throughout South Africa
- » EIAs and EMPs for various projects throughout South Africa

**CURRICULUM VITAE**  
**RAVISHA AJODHAPERSADH**

Profession : Environmental Consultant  
Specialisation : Environmental Management  
Years experience : Four

**KEY RESPONSIBILITIES**

- Providing consulting services to clients for Environmental-related matters.
- Conducting Environmental Impact Assessment (EIA) processes.
- Preparation of EIA reports.

**SKILLS BASE AND CORE COMPETENCIES**

- Report Writing
- Site Investigation
- Environmental Auditing
- Co-ordination and management of project teams
- Co-ordinating and conducting Public Involvement processes.
- Preparing maps (using GIS)
- Administrative tasks (minutes of meetings)
- Research

**EDUCATION AND PROFESSIONAL STATUS**

- B Soc Sci (Environmental Management) obtained from the University of Natal in 2005.
- (Hons) (BSc) (Environmental Management) obtained from the University of South Africa in 2010.

**EMPLOYMENT**

1. June 2007 – April 2009

Name of Employer: Nemaï Consulting

Position: Environmental Consultant

2. May 2009 – August 2009

Name of Employer: Environmental Impact Management Services

Position: Environmental Control Officer

3. September 2009 – Present

Name of Employer: Savannah Environmental

**PROJECT EXPERIENCE**

1. Prepared **Scoping Report** for the Proposed Flagging Trees Wind Energy Facility, near Middelburg, Eastern Cape Province.
2. Prepared **EIA** for the Proposed Suurplaat Wind Energy Facility, near Sutherland Western and Northern Cape Provinces.
3. Prepared **EIA** for the Proposed West Coast One Wind Energy Facility, near Vredenburg Western Cape Province.
4. Prepared **EIA** for the Proposed Rheboksfontein Wind Energy Facility, near Darling Western Cape Province.

Prepared Scoping Report for the Proposed Uyekraal Wind Energy Facility, near Vredenburg Western Cape Province.

**CURRICULUM VITAE**  
**LOURENS MARTINUS DU PLESSIS**

*MetroGIS (Pty) Ltd*

*Visual Assessment and Geographic Information Systems Specialist*

**SKILLS BASE AND CORE COMPETENCIES**

- More than 17 years experience in the application of Geographical Information Systems (GIS) in Environmental Planning and Management.
- Extensive practical knowledge in spatial analysis, environmental modelling and digital mapping.
- Experience in applying GIS in EIAs, State of the Environment Reports and Environmental Management Plans.

**TERTIARY EDUCATION**

- BA (University of Pretoria) Geography and Anthropology (Malors), 1993

**EMPLOYMENT HISTORY**

1999-present: MetroGIS, Director

1997-1999: GISBS, Project Manager

1990-1997: GisLAB c, Project Manager / Member

**SELECTED RELEVANT PROJECT EXPERIENCE**

- Visual Impact Assessments and Viewshed Analysis for various types of developments, including telecommunications structures, mining activities and tourism accommodation in National Parks and other environmentally sensitive areas. Some recent and current projects include:
  - \* Proposed Altantis Open Cycle Gas Turbine power station.
  - \* Matimba B proposed coal-fired power station.
  - \* Zues to Mercury transmission line (comparative viewshed analysis)
  - \*Mercury-Ferrum-Garone transmission line intergration
  - \*Mmamambula (Botswana) transmission line and power station viewshed analysis Kynoch Gypsum Tailings dam extension
  - \*N1 Western Bypass Shell service station
  - \*Coega regional hazardous waste processing facility.
  - \*Robinson Deep landfill extension
  - Concentrating Solar Power (CSP) plant
- EIAs for the utilisation of GIS based systems to determine and manage environmental impacts. Various projects in South Africa.

**CURRICULUM VITAE**  
**JOHAN ABRAHAM VAN SCHALKWYK**

Profession : Heritage Researcher / Archaeologist  
Specialisation : Anthropology and Archaeology  
Years experience : More than 20 years

**ACADEMIC QUALIFICATIONS**

BA. – 1976 (UP)  
BA. (Hons.) Archaeology - 1978 - (with distinction) (UP)  
Post Graduate Diploma in Museum Science – 1979 (UP)  
BA. (Hons.) Anthropology - 1981 - (with distinction) (UP)  
MA. Anthropology – 1985 (UP)  
D. Litt et Phil (Anthropology) – 1996 (UNISA)

**EMPLOYMENT RECORD**

1978 - present: National Cultural History Museum, Pretoria  
1976 - 1977: Archaeology Department, University of Pretoria

**PROFESSIONAL EXPERIENCE**

- 1992 - present: Senior researcher: Head of Department of Research. Manage an average of seven researchers in this department and supervise them in their various research projects. Did various projects relating to Anthropology and Archaeology in Limpopo Province, Mpumalanga, North West Province and Gauteng.
- 1978 - 1991: Curator of the Anthropological Department of the Museum. Carried out extensive fieldwork in both anthropology and archaeology
- 1976 - 1977: Assistant researcher responsible for excavations at various sites in Limpopo Province and Mpumalanga.
- Curated various exhibitions at different museums. Topics range from ceramics, beadwork and woodcraft to Iron Age archaeology.
- Have done extensive work in the field of heritage impact assessments in Limpopo Province, Gauteng, Mpumalanga, North West Province, KwaZulu-Natal, Western Province, Eastern Province, Botswana, Lesotho and Swaziland.
- Did a number of projects regarding the development of arts and crafts and community tourism – Tlokwa, Hananwa, Swazi.

**PROFESSIONAL ACCREDITATION**

Association for Southern African Professional Archaeologist: Principal Investigator for Iron Age, Colonial Period and Industrial Heritage. Membership no.: 164.

**PUBLICATIONS**

Published more than fifty papers on topics relating to anthropology, archaeology, history and impact assessment in various scientific journals - a complete list can be supplied on request.

**HERITAGE IMPACT ASSESSMENT**

Did several impact assessments (archaeological, anthropological and social) for various departments and companies. Projects include roads, pipelines, power lines, dams, mining, water purification works, historical landscapes, refuse dumps and urban developments.

## **CURRICULUM VITAE**

### **IAIN PATON**

Profession : Professional Engineering Geologist (Pr.Sci.Nat)

Specialisation : Engineering & Environmental Geology

Years experience : 12

#### **SKILLS BASE AND CORE COMPETENCIES**

- Geotechnical engineering & engineering geology
- Problem soils
- Environmental geology

#### **TERTIARY EDUCATION**

- BSc (Hons) Geology

#### **EMPLOYMENT HISTORY**

- 2006-Present: Outeniqua Geotechnical Services – Engineering Geologist
- 2001-2006: Progex – Construction Site Manager
- 1997-1998: Halliburton Energy Services – Logging Geologist (Offshore Oil & Gas)
- 1995-1997: Western Areas Gold Mine – Mine Geologist

#### **SELECTED RELEVANT PROJECT EXPERIENCE**

- 2009: Cookhouse Wind Energy Facility (WEF) – Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2009: Hopefield WEF – Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2009: Stilbaai WEF – Geotechnical site investigation for MVD Engineers (Pty) Ltd
- 2009-10: Koeberg Transmission Lines (Eskom) - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Dorper & AB's WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Upington & Pofadder PVF (Photovoltaic Facility) - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Rheboksfontein WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: West Coast WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Suurplaat WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Amakhala Emoyeni WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Exxaro West Coast WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Riverbank WEF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: Thupela PVF - Geological Specialist Input into EIA for Savannah (Pty) Ltd
- 2010: N1 WEF - Geological Specialist Input into EIA for Cape EA Prac (Pty) Ltd

## CURRICULUM VITAE

### GARRY PATERSON

*Soil Scientist at ARC*

#### ACADEMIC QUALIFICATIONS:

- Matriculated: 1976, Dalziel High School, Motherwell, Scotland
- BSc (Hons) Geography, 1980, University of Strathclyde, Glasgow, Scotland
- MSc (Soil Science) *cum laude*, 1998, University of Pretoria

#### PROFESSIONAL CAREER:

- 1981-1987: Soil Scientist: Soil and Irrigation Research Institute, Pretoria
- 1987-1992: Senior Soil Scientist: Soil and Irrigation Research Institute, Pretoria
- 1992-present: Senior Soil Scientist: ARC-Institute for Soil, Climate & Water

#### FIELDS OF SPECIALITY AND COMPETENCE:

- Soil classification and mapping
- Soil interpretations
- Soil survey project management
- Environmental assessment
- Soil survey and land capability course presentation
- Ground penetrating radar

#### PUBLICATIONS (see attached list):

- Three refereed articles (S.A. Journal of Plant and Soil)
- Nine Congress papers/posters
- S.A. Soil Classification (1991) (Member of working group)
- Seven 1:250 000 Land Type Maps
- Three Land Type Memoirs
- More than 100 soil survey reports and/or maps

#### COURSES COMPLETED:

- Course in Project Management (University of Stellenbosch)
- Course in Junior Personnel Management (Dept of Agriculture)
- Course in Handling of Grievances and Complaints (Dept of Agriculture)
- Course in Marketing (ARC-ISCW)
- Course in National Qualifications Framework Assessment, ARC-CO
- Training Course in Ground Penetrating Radar (GSSI, USA)
- Introduction to ArcGIS 8, GIMS, 2004

#### PROFESSIONAL STATUS:

- Registered Natural Scientist (SA National Council for Natural Scientific Professions)
- Member of South African Soil Classification Working Group
- Member of Soil Science Society of South Africa (1982-present)
- President of Soil Science Society of South Africa (2005-2007)
- Council Member of South African Soil Survey Association (2002-2003)
- Scientific Referee, S.A. Journal for Plant and Soil
- External Examiner, University of Pretoria and University of Witwatersrand

## CURRICULUM VITAE

DAVID HOARE

*Ecologist*

### SKILLS BASE AND CORE COMPETENCIES

Ecological consultant since 1995. Author of over 200 specialist ecological consulting reports. Wide experience in botanical studies within grassland, savanna and fynbos, as well as riparian, coastal and wetland vegetation.

### Main areas of specialization:

- Vegetation ecology, primarily in grasslands, thicket, coastal systems, wetlands
- Plant biodiversity and threatened species specialist
- Remote sensing, analysis and mapping of vegetation
- Specialist consultant for environmental management projects

### TERTIARY EDUCATION

- Matric - Graeme College, Grahamstown, 1984
- B.Sc (majors: Botany, Zoology) - Rhodes University, 1991-1993
- B.Sc (Hons) (Botany) - Rhodes University, 1994 with distinction
- M.Sc (Botany) - University of Pretoria, 1995-1997 with distinction
- PhD (in progress) – Nelson Mandela Metropolitan University, Port Elizabeth, "Patterns and determinants of plant biodiversity in temperate, mesic grasslands of South Africa" under supervision of Prof. Richard Cowling

### EMPLOYMENT HISTORY

- 1 February 1998 – 30 November 2004, Researcher, Agricultural Research Council, Range and Forage Institute, Private Bag X05, Lynn East, 0039. Duties: project management, general vegetation ecology, remote sensing image processing.
- 1 December 2004 – present, Member, David Hoare Consulting cc no. 2001/034446/23. Consultant, specialist consultant contracted to a number of existing companies and organisations.
- 1 January 2009 – 30 June 2009, Lecturer, University of Pretoria, Botany Dept.

### SELECTED RELEVANT PROJECT EXPERIENCE

- Vegetation pattern in Pilanesberg National Park using digital photogrammetric data preparation techniques, 1 August – present.
- VegMap digital mapping and description of vegetation units of Eastern Cape for new national vegetation map (Dept. of Environmental Affairs and Tourism/National Botanical Institute) and contributions to text and vegetation descriptions in accompanying booklet.
- Classification and mapping of the savanna biome of South Africa using remote sensing techniques, 1 February 1998 – 20 November 1999.
- Natural resource survey of nodes O R Tambo and Maputuland, using remote sensing techniques, 1 November 2001 – December 2003.
- Field data collection for National Land Cover Change Project, Dec 2003 – March 2004.
- Vegetation survey of KwaMhlanaga Landcare site, March 2004.
- Scale physiognomic survey of Suikerbosrand Nature Reserve, 1 March 1998 – 1 April 1998.
- Natural resource survey of Mpumalanga, South Africa, using remote sensing techniques, 1 November 1998 – 2000.
- Vegetation of the corridor of the proposed Eskom powerline from Port Elizabeth to Bedford. September 2000.

## **CURRICULUM VITAE**

### **INGRID SNYMAN**

Profession : Social Consultant

Specialisation : Social Impact Assessment

Years experience : 14 years

#### **SKILLS BASE AND CORE COMPETENCIES**

- Social Impact Assessment
- Public Participation Programmes
- Communication, development of community structures, community facilitation
- Workshop reports

#### **TERTIARY EDUCATION**

- 1992: BA (Political Science), University of Pretoria
- 1995: BA Hons (Anthropology), University of Pretoria

#### **EMPLOYMENT HISTORY**

- 1996 – 2000: Afrosearch (Pty) Ltd
- 2000 – 2010: Independent Consultant

#### **SELECTED RELEVANT PROJECT EXPERIENCE: SOCIAL IMPACT ASSESSMENTS (SIA)**

- Wag'nbiekiespan Solar Energy Facility, Northern Cape Province
- Kathu and Sishen Solar Energy Facilities, Northern Cape Province
- Public Participation and SIA for the proposed Thupela Waterberg Photovoltaic Plant, Limpopo Province
- Mitchells Plain-Firgrove-Stikland Transmission Line, Western Cape
- Ariadne-Venus Transmission Line, KwaZulu Natal
- Socio-Anthropological Study for the proposed Booyendal Mine, Mpumalanga
- Dominion Reefs Power Line project, North West Province
- Kannikwa Vlake Wind Farm Project, Northern Cape
- Extension of the Wemmershoek Wastewater Treatment Works (WWTW), decommissioning of the  
Franschhoek WWTW and construction of a transfer and outfall sewer between the two works,  
Franschhoek, Western Cape
- Public Participation process as part of the EIA for the proposed new Ferrochrome Smelter near Brits  
in the North West Province
- Lefaragathle, Mogono, Rasimone, Chaneng outfall sewer and Chaneng sewer treatment plant,  
Rustenburg (Phokeng), North West Province
- Vlakfontein Residential Development, Brakpan, Gauteng
- Dorstfontein Mine Western Expansion Project and other extensions, Kriel, Mpumalanga
- Metrorail's upgrading of railway stations and railway line in Mamelodi, Gauteng
- Kyalami Strengthening Project, Kyalami, Gauteng
- ACSA Remote Aprons Project, O.R. Tambo International Airport, Gauteng
- Cullinan Estate Development, Cullinan, Gauteng

**CURRICULUM VITAE  
SHAWN JOHNSTON**

*Sustainable Futures ZA*

*Process Facilitator*

**SKILLS BASE AND CORE COMPETENCIES**

- Facilitator, Mediator and Trainer
- Planning, Process Design and Conceptualising
- Facilitation, Public and Stakeholder Liaison
- Process co-ordination, problem-solving and negotiation skills.

**TERTIARY EDUCATION**

- B.Tech Environmental Management – Cape Peninsula University of Technology, Cape Town
- National Diploma in Horticulture, Cape Technikon, Cape Town
- Certificate in Conflict Resolution and Environmental Mediation, Partnership Lifeskills Centre/  
Global Future Links- Washington DC, USA

**EMPLOYMENT HISTORY**

- Leadership South Programme
- FutureLinks South Africa
- Common Ground Consulting
- Sustainable Futures ZA

**SELECTED RELEVANT PROJECT EXPERIENCE**

- LEAD FACILITATOR, OLIFANTS/ DORING RIVER WATER USER ASSOCIATION CAPACITY BUILDING PROJECT. (Current). Facilitation and co-ordinator of the Olifant/ Doring Water User Association Capacity Building for commercial farmers and emerging black farmers.
- ESKOM PROCESS FACILITATOR. ESKOM ANKERLIG CLOSED CYCLE GAS TURBINE CONVERSION PROJECT AND ASSOCIATED PROJECT, ATLANTIS, CAPE TOWN. (Current) Responsible for facilitating the public participation process for the Eskom Ankerlig gas turbine conversion from OCTG to CCGT and associated EIA studies.
- ESKOM PUBLIC PARTICIPATION PROCESS, ESKOM WIND ENERGY FACILITY, WEST COAST OF SOUTH AFRICA (Current) Responsible for facilitating the public participation process for the EIA process near Koekenaap in the Matzikama Municipality, Cape West Coast.
- PART TIME LECTURER, WATER AND CONFLICT, INTEGRATED WATER RESOURCES MANAGEMENT PROGRAMME AT THE UNIVERSITY OF THE WESTERN CAPE (2006-current). Assisted with establishing the first water and conflict resolution module in the MSc Integrated Water Resource Management degree course.

## ***CURRICULUM VITAE - BRUCE SIDNEY RUBIDGE***

### **1. Personal Details**

Date of birth: 1 June 1956

Marital status: Married to Alida Marina (nee Liebetrau), 17 November 1984.

Children: Sidney Richard, born 30 October 1988.  
Mark Lourens, born 20 September 1990.

Present position: Director Bernard Price Institute for Palaeontological Research, School for Geosciences, University of Witwatersrand.

### **2. Education**

#### Tertiary:

1988. Ph.D. (Geology/Palaeontology), University of Port Elizabeth.

1983. M.Sc. (Palaeontology) *cum laude*, University of Stellenbosch

1979. B.Sc. Honours (Palaeontology) *cum laude*, University of Stellenbosch.

1975 - 1978. BSc, University of Stellenbosch, (Major subjects: Zoology and Geology).

#### Secondary:

1969 - 1974. St. Andrew's College, Grahamstown.

#### Primary:

1963 - 1968. Union High School, Graaff-Reinet.

### **3. Membership of professional societies**

Sedimentology Division of the Geological Society of S.A. (Executive Committee 1991-1997, chair 1997).

Institute for the Study of Man in Africa (Executive Committee 1991-1997).

Palaeontological Society of Southern Africa (Vice president 1990-1992; President 1992-1994; immediate past president 1994-1996; President 2004-2006; immediate past president 2006-2008).

Geological Society of Southern Africa – Fellow - (served on committee of Orange Free State Branch of Geological Society of Southern Africa (1984-1990); Conservation Committee 1996-2002).

Royal Society of South Africa – Fellow.

Zoological Society of Southern Africa - member.

#### **Southern African Museums Association (1992-2001**

Archaeological Society (Patron since 1992)

### **4. Research affiliations**

Grantee of the National Research Foundation (NRF). B1 rating.

Council, National Museum, Bloemfontein (1999 - ; Chairman 2005- )

National Heritage Council (2006- )

STS Working Group on Nonmarine Triassic correlations (1996- ).

Consultative Committee of the Geology Section of Museum Africa (1991 - 2005).

Biostratigraphic Task Group of the South African Commission for Stratigraphy (1986 - ; Chairman since 1990)

South African Committee for Stratigraphy (1999 - )

Honorary Curator of the South African National Monuments Council (1989 -1994).

South African Heritage Resources Agency, Permit Committee (2001-2008)

National Monuments Council of South Africa, PACTS Committee (1998-2000)

Serve on various NRF evaluation committees, and review research proposals.

Co-ordinator of International Gondwanan Faunal Correlations Programme.

Scientific advisor to Palaeontological Scientific Trust (PAST) (2003- 2010)

### **5. Professional experience**

2001 Deputy Dean (Research), Science Faculty, University of Witwatersrand.

1990 - Director of Bernard Price Institute for Palaeontological Research, University

of the Witwatersrand, Johannesburg.

Jan 1981- Apr 1990: Head of Department of Karoo Palaeontology, National Museum, Bloemfontein.

Apr 1980 - Dec 1980: Associate curator of Karoo Palaeontology, National Museum, Bloemfontein.

## **6. Scientific output (publications and student supervision)**

Published 112 peer reviewed articles and 116 abstracts in national and international scientific journals on various aspects of vertebrate palaeontology as well as bio- and litho- stratigraphy and sedimentology of Permian-Triassic rocks of southern Africa.

10 MSc and 9 PhD students have graduated under my supervision.

## **7. Editorships**

2011 Editorial Board Journal of Vertebrate Paleontology

2005 - Editorial Board of *Researches of the National Museum*

2001 - Editorial Board of *Annals of the South African Museum*.

2002 - Associate editor of *Palaeontologia africana*.

1990 – 2001 Editor of *Palaeontologia Africana* (responsible for the production of volumes 27-37).

1998 -2000 Guest Editorial Board of *Journal of African Earth Sciences*, for Gondwana 10. papers.

1991 -1999 Editorial Board of *South African Journal of Geology*

1989 - 1995 Editor of *Biostratigraphy of the rocks of the Beaufort Group, South Africa*.