

Brief CV: FRANK A. SHILLINGTON

Department of Oceanography,
University of Cape Town,
Rondebosch 7701, Cape Town, South Africa.
Tel: +27-21-650-3278
Fax: +27-21-650-3979
Email: Frank.Shillington@uct.ac.za

EDUCATION

BSc. (Honours), Area/Major: Physics and Applied Mathematics, University of the Witwatersrand, Johannesburg, South Africa. 1971.
MSc., Physical Oceanography, University of Cape Town, South Africa. 1974.
Ph.D., Physical Oceanography, University of Cape Town, South Africa. 1985.

RESEARCH INTERESTS

Physical oceanography, satellite remote sensing of SST, Ocean Color, SSH, Waves and wind. Ocean numerical modeling of the coastal ocean. Coastal upwelling.

EXPERIENCE

2015- C-Chair of Nansen-Tutu Centre for Marine Environmental Research
2010-2014 Co-Director of Nansen-Tutu Centre for Marine Environmental Research
2004- 2011 Professor and Chair, Dept. of Oceanography, University of Cape Town.
1993-2003 Associate Professor, Dept. of Oceanography, University of Cape Town.
1978-1992 Lecturer, Senior Lecturer, Dept. of Oceanography, University of Cape Town.

RELATED PUBLICATIONS

Summary: 61 International and National ISI rated publications, 5 Chapters in Books, 2 edited international conference proceedings. Publications closely related to the project review:

1. Veitch, J.A., P. Penven, F.A. **Shillington** 2009. The Benguela: a laboratory for comparative studies. *Prog. Oceanogr.*, 83, 296-302. doi:10.1016/j.pocean.2009.07.008
2. Hutchings L., C.D. van der Lingen, L.J. Shannon, R.J.M. Crawford, H.M.S. Verheye, C.H. Bartholomae, A.K. van der Plas, D. Louw, A. Kreiner, M. Ostrowski, Q. Fidel, R.G. Barlow, T. Lamont, J. Coetzee, F. **Shillington**, J. Veitch, J.C. Currie, P.M.S. Monte iro 2009. The Benguela Current: an ecosystem of four components. *Prog. Oceanogr.*, 83, 15-32. doi:10.1016/j.pocean.2009.07.046
3. Veitch, J., P. Penven, F. **Shillington** 2010. Modelling equilibrium dynamics of the Benguela Current system. *Journal Physical Oceanography*, 40, 1942–1964.
4. Strub T., V. Combes, F. **Shillington**, O. PIZARRO 2013. *Currents and processes along the eastern boundaries*. Chapter 14, **Ocean Circulation and Climate, A 21st century perspective**, Editors: Gerold Siedler, Stephen M. Griffies, John Gould, John A. Church. International Geophysics Series, Vol. **103**, Academic Press.
5. Field, J.G. and **F.A. Shillington** 2006. Variability of the Benguela Current System (16,E), Chapter 21, in *The Sea*, The Global Coastal Ocean Interdisciplinary Regional Studies And Syntheses, Volume 14, Part B, edited by Allan R. Robinson and Kenneth H. Brink, ISBN 0–674– ©2005 by the President and Fellows of Harvard

College, 835-863.

6. Fawcett A.L., Pitcher G.C. and **F.A. Shillington** 2008. Nearshore currents on the southern Namaqua shelf of the Benguela upwelling system. *Continental Shelf Research* (2008), doi:10.1016/j.csr.2008.02.005
7. Moloney C. L. and **F. A. Shillington** 2007. Progress towards marine ecosystem observing systems in South Africa. *South African Journal of Science*, 103, 301-305.
8. **Shillington**, F.A., C.J.C. Reason, C.M. Duncombe Rae, P. Florenchie, and P. Penven 2006. Large scale physical variability of the Benguela Current Large Marine Ecosystem (BCLME). Chapter 4. "The Benguela: Predicting a large Marine Ecosystem", (L.) V. Shannon, G. Hempel, P. Malanotte-Rizzoli, C. Moloney and J. Woods (Editors). Large Marine Ecosystems, Vol. 14, 49-70. © 2006 Elsevier B.V./Ltd.

SYNERGISTIC ACTIVITIES

- Co-founder of the South African-Norwegian Nansen-Tutu Centre for Marine Environmental Research, based in the Department of Oceanography, UCT.
- Founder member of Africa Centre for Earth System Science (ACCESS), and interim Chair of Education Committee;
- Reviewer for *Geophysical Research Letters*, *Deep Sea Research*, *Marine Ecology Progress Series*, *Continental Shelf Research*, *African Journal of Marine Research*, *SA Journal of Science*;
- National Forum member of SANCOR Steering Committee (2007-2009).

COLLABORATORS & OTHER AFFILIATIONS

Collaborators from current and previous projects: J.A. Johannessen [Nansen Environmental and Remote Sensing Centre, Bergen, Norway], E.D. Barton [Instituto Investigaciones Marinas (CSIC), VIGO, SPAIN], S. Bernard [CSIR, Stellenbosch, South Africa]; G. Pitcher [Marine and Coastal Management, Cape Town, South Africa], S.G. Philander [Princeton, USA and UCT, Cape Town], P. Penven [Institute pour Research Developpment, (IRD) France], C. Roy [IRD, France], M. Ostrowski [Bergen, Norway], O.M. Johannessen [Nansen Centre, Bergen, Norway], J.G. Field [Marine Research Institute, UCT].

GRADUATE & POSTGRADUATE ADVISORS

Summary: 45 post graduate students graduated (16 Doctoral; 29 MSc), and 4 current post graduate students (3 Doctoral; 1 MSc). **Doctoral candidates:** *Mr C Whittle CSIR (completing 2015)*, *Ms Lisa Guastella (registered 2015)*, *Mr Bernardino Nhamumbo, Mozambique(registered 2015)*, **Masters Candidate:** *Ms Bhavnah Komul, Mauritius, (Completing 2015)*