

HENRY, TAHLIA

Name of Organisation: Lwandle Technologies (Pty) Ltd
Profession: Oceanographer
Position in Firm: Marine Scientific Technician
Date of Birth: 31/01/1992

BIOGRAPHICAL SKETCH

Tahlia has a background in operational and physical oceanography, with focus on sub-sea moorings and ADCP (acoustic doppler current profiler) data analysis. She completed her BTech in 2015 at the Cape Peninsula University of Technology, where her work and studies focused on the physical oceanographic dynamics of the Prince Edward Island region. She is currently completing her MSc through Nelson Mandela University in collaboration with the University of Cape Town. Her thesis investigates the impact that ocean variability has on the shelf seas surrounding the sub-Antarctic Prince

Edward Islands and potential driving forces related to the current flow.

In the interim between BTech and undertaking her Masters, Tahlia took part in numerous research cruises aboard the RV Algoa, RV SA Agulhas II and The RV Akademik Tryoshinkov. These cruises helped her develop fundamental skills as a sea-going technician/oceanographer, exposure to remote locations such as Antarctica and an array of Sub-Antarctic Islands. Aboard the SA Agulhas II she quickly evolved from a student assistant to Group Leader and finally Chief Scientist of two expeditions (SANAE 56 Antarctic Relief Voyage 2016 and Gough Island Relief Voyage 2017). She is also the cruise co-ordinator for the SEAmester: Class Afloat program and has worked closely with Prof. Isabelle Ansorge (UCT) over the past two years to ensure the success of this unique program offered to university students across South Africa.

Tahlia took up her post at Lwandle Technologies in December 2017 as a marine technician, working within the technical department. Since joining Lwandle, she has assisted various projects with diving operations, introduction to report writing and data analysis. She has also been involved with equipment curation and familiarising herself with the vast instrumentation housed within Lwandle. Over time she hopes to fully utilize her technical and operational skills for appointed projects and be a positive asset in the technical department.

EDUCATION

ND Oceanography	Cape Peninsula University of Technology	2012 - 2014
BTech Oceanography	Cape Peninsula University of Technology	2015
MSc Physical Oceanography	Nelson Mandela University & UCT	2017 - current

EMPLOYMENT RECORD

2005 - 2011 Volunteer services and short-term aquarist contract at the Two Oceans Aquarium
2016 - current SEAmester Co-ordinator (University of Cape Town)
2017 - current Marine Technician, Lwandle Technologies, Cape Town, South Africa

KEY EXPERIENCE

An abridged list of Tahlia Henry's project and experience is presented below:

2018 HF radar installation and collection of wave/current data using WERA ocean remote sensing system
2017 Metocean data collection and service of instruments (ADCP, temperature recorders) in line with oceanographic survey conducted in Cape Town harbour.
2017 ROV repairs and operation in False Bay

SEA – GOING EXPERIENCE

- 2017 Gough Island Relief Voyage aboard the SA Agulhas II, served as the DEA (Department of Environmental Affairs) appointed ship based Chief Scientist. Science on board: hydrographic continuous measurements, Euro-Argo float deployments, SOCCOM float deployments and calibration CTDs in collaboration with Scripps Institute of Oceanography - SOCCOM group.
- 2017 SEAmester II Class Afloat. Served as the Co-ordinator for the program/cruise, lecturer for instrumentation module and group leader for the physical oceanographic team conducting work on the SAMBA line.
- 2017 Winter Cruise aboard the SA Agulhas II, served as the Chief Technician, coordinating the physical oceanographic team, conducting hydrographic measurements and supervised UCT physical oceanography students.
- 2017 Marion Relief Voyage aboard the SA Agulhas II, served as the Group Leader for the mooring operations and assisted with CTD ops, XBT deployments and winch operator for bio nets and dredge.
- 2017 Antarctic Circumpolar Expedition (ACE) aboard the RV Akademik Tryoshnikov for Leg 3: Punta Arenas to Cape Town. Served as the CTD operator and on board technician.
- 2016 SANAE 56 Antarctic Relief Voyage aboard the SA Agulhas II. Served as the Chief Scientist for Leg 2&3 of the voyage. Science on board: conducting hydrographic measurements and physical oceanographic research along the Good Hope line, in-ice CTD operations and coordinated the retrieval of a tall mooring for the Alfred Wegner Institute (AWI).
- 2016 Antarctic Circumpolar Expedition (ACE) aboard the RV Akademik Tryoshnikov for Leg 0 – Class Afloat: Bremerhaven to Cape Town). Served as a course convenor and lecturer for the “Tools of the Trade” module covering principles physical oceanography and instrumentation. Assisted the science team on board by serving as the CTD operator and provided technical support.
- 2016 Winter Cruise (Leg 2) aboard the SA Agulhas II. Served as the Group Leader for the Physical Oceanographic team. Science on board: XBT deployments, Apex float deployments, CPR (continuous plankton recorder) operator, CTD/winch operator and salinometer operator.
- 2016 SEAmester Cruise (Leg 1) aboard the SA Agulhas II. Served as the cruise coordinator and formed part of the on board team of lecturers. Science on board: Sampling of the ASCA line, XBT deployments, CTD/winch operator and Salinometer operator.
- 2016 Marion Island Relief Voyage aboard the SA Agulhas II, conducted short mooring deployments and retrievals, sediment dredging (continuation of 2015 study), XBT deployments and CTD/winch operator.
- 2016 SANAE 55 Antarctic Voyage aboard the SA Agulhas II. Served as the group leader for the University of Cape Town research team, conducting hydrographic measurements and physical oceanographic research along the Good Hope line.
- 2015 Marion Relief Voyage a board the SA Agulhas II, conducted short mooring deployments and retrievals, sediment dredging (for invertebrate samples) and bio optic float and XBT deployments.
- 2014 Gough Island Relief Voyage aboard the SA Agulhas II, conducted CTD operations, XBT deployments and Argo float deployments
- 2014 Research Cruise aboard the Rv Algoa conducting mooring deployments and biological research (bongo nets etc.)

