



Dr David Buckley

David Buckley is the Southern African Large Telescope Science Director and has been involved in the project since its initiation in 1998, as Project Scientist. His science research interests focus on X-ray sources, primarily accretion in compact binary stars, for example cataclysmic variables and X-ray binaries. In the early 1990s he led a small group of South African observers in an optical identification campaign for ROSAT EUV and X-ray sources in the Southern Hemisphere. His recent activities have included forays into atmospheric and adaptive optics and astronomical site testing, which has led to astronomical site selection activities in Ethiopia and Kenya.

Prof. Sergio Colafrancesco

Sergio Colafrancesco is a Professor in Radio Astronomy with a Department of Science and Technology/National Research Foundation SKA Chair at the University of the Witwatersrand. He is currently coordinator of the science team of the SAGACE project, member of the MILLIMETRON International Science Committee and Management Committee, science manager for the OLIMPO experiment, and associated scientist for PLANCK, RADIOASTRON, MILLIMETRON, CORe, DUAL, AGILE, Fermi, HESS and CTA.

Prof. David B Davidson

David Davidson holds the SKA South African Research Chair in the Department of Electrical and Electronic Engineering, Stellenbosch University. He is a Fellow of the IEEE, and has published widely on the numerical simulation of electromagnetics. (The 2nd edition of his text "Computational Electromagnetics for RF and Microwave Engineering" was published in 2011 by Cambridge.) He has also been involved in the development of commercial software.

Mr Willem Esterhuyse

Willem Esterhuyse has an MEng (Mech.) *cum laude* from Stellenbosch University. He is currently SKA SA MeerKAT Project Manager. Previous positions include SALT Structure Project Manager (2000 to 2005) and SKA South Africa Dish Subsystem Manager (2006 to 2008).

Dr Bernard Fanaroff

Bernard Fanaroff is the Project Director of the South African Square Kilometre Array Telescope Project. He is a non-executive director of Eskom Holdings Ltd and a Visiting Professor in Physics at Oxford University. He holds a PhD in Radio Astronomy from Cambridge University, an LLD (*honoris causa*) from Rhodes University and a DPhil (*honoris causa*) from the University of the Western Cape.

Mr Kevin Govender

Kevin Govender began work at the Office for Astronomy Development in Cape Town on 1 March 2011 as its first Director. He has extensive experience using astronomy for development, acquired during his previous position as the Manager of the Southern African Large Telescope Collateral Benefits Programme at the South African Astronomical Observatory (Cape Town and Sutherland sites). During that time he chaired the Developing Astronomy Globally Cornerstone Project in 2009 and served on the IAU Executive Committee Working Group for the International Year of Astronomy 2009.

Dr Nicky Knox

Nicky Knox is an ecologist and natural resource manager specialised in the field of applied remote sensing used to analyse environmental systems. Her work has included extensive experience in image analysis (multispectral and hyperspectral), spectral analysis (VNIR-MIR range), land-cover mapping, statistical and spatial modelling of landscapes, and both research and teaching of GIS/RS for rural and natural land management practices. Her work focuses on enhancing the use, understanding, development and implementation of new remote-sensing technologies to aid societal development and ecology.

Mr Ian Kotzé

Ian Kotzé is interested in the application and development of remote sensing and GIS technology. He has in-depth knowledge of invasive alien plant eradication, management and ecology, as well as vegetation surveys (ground and air) with the focus on fynbos and invasive alien plants (national). He works with plantation and reserve workflow scheduling, budgeting, compiling management plans, management, audits and fire management.

Prof. Renée C Kraan-Korteweg

Renée Kraan-Korteweg holds the Chair of Astronomy and has been the Head of the Astronomy Department at the University of Cape Town (UCT) since 2005. She is co-director of the Astrophysics, Cosmology and Gravity Centre, which brings observational astronomers and theoretical cosmologists together. Before joining UCT, she worked at various international institutions, such as the University of Guanajuato, the Observatoire de Paris-Meudon, the University of Groningen and the University of Basel. She is a member of various national and international committees (e.g. the IAU Executive Committee on Future Large Scale Facilities).

Dr Paidá Mangara

Paidá Mangara is the Research, Development and Applications Manager in the Earth Observation Directorate of the South African National Space Agency (SANSA). He is a

remote-sensing and GIS specialist by training and has extensive experience in Earth observation remote sensing. His research interests are in land use and land cover classification and modelling. Païda holds a doctorate from Nelson Mandela Metropolitan University. In SANSA he is responsible for driving remote-sensing research activities that have direct socio-economic benefit to society, in line with the organisation's motto of being in service of humanity.

Associate Professor Thebe Rodney Medupe

Thebe Medupe has a doctorate in Astrophysics from the University of Cape Town. His research focuses on the use of sound waves, generated inside stars, to probe the interiors of a particular class of pulsating stars (astero-seismology). He is currently an Associate Professor at North West University (Mafikeng Campus), working and continuing his research at the University. He is also a research fellow at the South African Astronomical Observatory in Cape Town.

Mr. Sivuyile Manxoyi

Sivuyile Manxoyi is Head of the Southern African Large Telescope Collateral Benefirst Plan. Previously he was the South African Astronomical Observatory Education and Communications Officer. He has also been a science teacher and a laboratory demonstrator. He was involved in the National Science Club Project and Toronto Observatory Project, among others. He has a BSc in Physics and Applied Mathematics, a BEd and a postgraduate diploma in science communication.

.Dr Michael Gaylard

Dr. Michael Gaylard obtained his PhD in Physics in the field of radio astronomy through Rhodes University in South Africa in 1990. He first began using the radio telescope at Hartebeeshoek as a student in the late 1970's. He established spectroscopic research with the telescope in the 1980's. His research has covered Galactic radio emission, radio recombination lines in VII Regions, masers in OH/IR stars and interstellar masers. He supervises several post-graduate students in radio astronomy. He was appointed Acting MD of HartRAO in 2010 and MD in 2012. He is actively involved in developing the African VLBI Network concept.

Prof. Ludwig Combrinck

Prof Ludwig Combrinck heads the Space Geodesy programme at HartRAO. He obtained a PhD in applied science at the University of Cape Town in 2000. His research interest is diverse and includes space geodetic applications in Earth sciences, global gravity fields, reference frames, and applied relativity. He supervises several post-graduate students and has been appointed as professor Extraordinaire at the University of Pretoria and the Tshwane University of Technology

Dr Patricia Whitelock

Patricia Whitelock is Director of South African Astronomical Observatory (SAAO) and a Professor in the Astronomy Cosmology and Gravity Centre of the University of Cape Town. She is on the Council of the CDS in Strasbourg (France) and in the past been President of International Astronomical Union (IAU) Division VII (Galactic System) and Commission 33 (Structure and Dynamics of the Galactic System). Prof Whitelock chairs the steering committee for the SA National Astrophysics and space Science programme (NASP), she is a Fellow of the Royal Society of South Africa, a member of the Academy of Science of South African Institute of Physics. Her research work has focused on the late stages of stellar evolution and on the use of pulsating stars as extragalactic distance indicators and tracers of Galactic structure.

Dr Lerothodi L Leeuw

Lerothodi Leeuw, who obtained his PhD from the University of Central Lancashire, is currently a researcher at the University of Johannesburg and SKA South Africa. He was previously a research fellow at the NASA Ames Research Center. His scientific interests include multi-wavelength astrophysical research on the evolution of elliptical galaxies and their progenitors, in both gravitationally lensed and un-lensed systems, exploiting observations at infrared to radio and complementary wavebands from ground and space telescopes, both large and small.

Prof. Roy Maartens

Roy Maartens received his PhD from the University of Cape Town in 1980. He was a lecturer at Wits from 1983 to 1994. From 1994 to 2010, he was at Portsmouth University in the UK, where he was founding director of the Institute of Cosmology and Gravitation. In 2010 he returned to South Africa to take up a Square Kilometre Array Research Chair at the University of the Western Cape. He is a cosmologist, working on how to test models of dark energy and theories of gravity against observational data.