



Koos Schoonees

Coastal and Port Engineer
University of Stellenbosch

Career Summary

Prof Schoonees is a professional engineer with over 37 years' experience in the coastal and port engineering sector. He has worked extensively on coastal and hydraulic engineering projects including beach stability studies (beach nourishment and erosion setback lines), breakwaters and marine outfalls, temporary and permanent shore protection, sedimentation at harbours (channel infill rates), dredging and sand bypassing (sand trap design), mathematical and physical modelling, development and application of sediment transport measuring techniques, coastal recreational facilities (beach improvement schemes, beach evaluation and tidal pools), aeolian sediment transport (effects, rates, dune design, solutions), hydraulic structures and scour, harbours and marinas, specialist studies for environmental impact assessments, coastal zone management, cohesive sediment transport, and transport and dispersion of plumes.

Countries of work experience include South Africa, United Arab Emirates, Libya, Seychelles, Mauritius, Namibia, Mozambique, Angola, Botswana, Qatar, Canada, Saudi Arabia, Congo and Trinidad and Tobago. Career highlights include study visits to the United Kingdom, Netherlands, Singapore, Spain, Japan, United States of America, Denmark, Oman and Sweden for coastal engineering and coastal zone management related projects. He also has attended various international conferences.

Prof Schoonees occupies (since March 2015) the Transnet National Ports Authority Chair of Port and Coastal Engineering at Stellenbosch University.