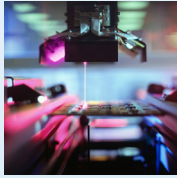


African Photonics

In recent years, the number of optics and photonics programs across Africa has increased. Here we highlight some of the continent's largest photonics centers and their primary areas of research. (For the stories of six optics researchers in Africa, see p. 44.)



Algeria
Advanced Technologies Development Center, Algiers
Spectroscopy, laser materials processing



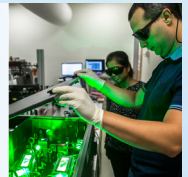
Tunisia
Tunis El Manar University, Tunis *Spectroscopy*
Higher School of Communication (Sup'Com), Tunis *Optical communications*

Morocco

Moroccan Foundation for Advanced Science (MAScIR) Optics & Photonics Center, Rabat
Plasmonics, photonic materials

Egypt

National Institute of Laser Enhanced Science, Cairo
Biophotonics



Senegal

Cheikh Anta Diop University, Dakar
Atomic physics and laser spectroscopy



Ghana
Laser and Fiber Optics Center, University Cape Coast, Cape Coast
Spectroscopy, optical communications

Kenya

Kenyatta University, Nairobi
Photovoltaics



South Africa

A regional hub for African optics and photonics activity

Council for Scientific and Industrial Research (CSIR), Pretoria
Laser materials processing, photonic sensors, biophotonics
National Metrology Institute of South Africa (NMISA), Pretoria
Metrology applications
Tshwane University of Technology (TUT), Pretoria *Applied photonics*
University of South Africa (UNISA), Pretoria *Photonic materials*
University of Pretoria, Pretoria *Laser applications*

University of the Witwatersrand (Wits), Johannesburg
Solar energy, photonic materials, quantum optics, structured light and spectroscopy
University of Johannesburg, Johannesburg
Fiber optics and biophotonics

University of KwaZulu-Natal (UKZN), Durban
Quantum optics

Stellenbosch University, Stellenbosch
Ultrafast spectroscopy and quantum optics

University of the Free State, Bloemfontein
Photonic materials

Nelson Mandela University, Port Elizabeth
Photonic materials and fiber optics

Rhodes University, Grahamstown
Biophotonics and photo-chemistry

