

# SENEGAL

## OPTO-ELECTRONICS PROPERTIES OF PULSED LASER DEPOSITED ZnO:Mo NANOSTRUCTURES

**BD Ngom**<sup>(a, b)</sup>, T Mpahane<sup>(b)</sup>, AC Beye<sup>(a)</sup>, D Knoessen<sup>(c)</sup>, C Theron<sup>(b)</sup>, N Cingo<sup>(d)</sup> & M Maaza<sup>(b)</sup>

(a): Groupes de Laboratoires de Physique des Solides et Sciences des Matériaux, Faculté des Sciences et Techniques, Université Cheikh Anta Diop de Dakar (UCAD), B.P. 25114 Dakar-Fann Dakar, Senegal

(b): NANO-Sciences Laboratories, Materials Research Group, iThemba LABS, NRF, South Africa,

(c): Department of Physics, University of Western Cape, South Africa,

(d): Department of Chemistry, UNISA, Pretoria, South Africa

## OPTIMIZATION OF GROWTH PARAMETERS AND POST-GROWTH ANNEALING OF ZnO FILMS GROWN BY MOCVD

**KJ Dangbégnon**<sup>(a)</sup>, AC Bèye<sup>a</sup>, C Weichsel<sup>b</sup>, KT Roro<sup>b</sup>, JR Botha<sup>b</sup>, A Venter<sup>b</sup> & AWR Leitch<sup>b</sup>

<sup>(a)</sup> Department of Physics, Université Cheikh Anta Diop de Dakar, Sénégal

<sup>(b)</sup> NelsonMandela Metropolitan University, P.O. Box 77000, Port Elizabeth 6031, South Africa