SACPM2015

Tuesday 05 May 2015

Poster: Poster Session 1 (15:15-17:00)

[id] title	presenter	board
[43] TOF SIMS Analysis, Structure and Photoluminescence Properties of Pulsed Laser Deposited CaS:Eu2+ thin films	Mr NYENGE, Raphael	
[63] Low-Temperature Alpha-Particle Irradiation of Pd/4H-SiC Schottky barrier diodes	Mr OMOTOSO, Ezekiel	
[67] Synthesis and characterisation of copper sulphide quantum dots for photovoltaic cell applications	Ms BRANDT, Leandre'	
[82] The influence of oxygen partial pressure on material properties of Eu3+-doped Y2O2S thin films deposited by Pulsed Laser Deposition method.	Mr ALI, ABDUB	
[84] Wavelength-modulated photocurrent spectroscopy of GaSb/GaAs quantum ring solar cells	Mr HASINJATOVO MANDANIRINA, Nambinintsoa Romeoh	
[24] Self-Assembled Nanotubular Mesoporous Layered Double Hydroxides with Tunable Photoluminescence	Dr MUSTAFA, Danilo	
[20] Spectroscopic properties of Pr3+ ions embedded in lithium borate glasses	Dr RAMTEKE, Durgaprasad	
[47] The effect of the Optical System on the Electrical Performance of III-V Concentrator Triple Junction Solar Cells	Prof. VAN DYK, Ernest	
[44] Advances in phosphors based on purely organic materials for solid state lighting applications	Dr SHARMA, Kashma	
[28] Effect of doping concentration on the conductivity and optical properties of p-type ZnO thin films	Mr PATHAK, Trilok Dr KUMAR, Vinod	
[29] Ab initio studies of Split<110> and Tetrahedral Di-interstitials of Germanium (Ge) using Hybrid functional HSE06	Mr IGUMBOR, Emmanuel	
[7] Structural and luminescence properties of SrAl2O4:Eu2+, Dy3+/Nd3+ phosphor thin films grown by pulsed laser deposition	Mr WAKO, ALI HALAKE	
[9] Influence of varying Cr3+ mol% in MgAl2O4:0.1% Eu3+, x% Cr3+ nanophosphor synthesized by sol-gel process	Mr MOTLOUNG, Setumo Victor	
[52] The effect of high temperatures on the electrical characteristics of Au/n-GaAs Schottky diodes	Mr TUNHUMA, Shandirai	
[11] The effect of urea ratio on structural and luminescence properties of YVO4:Dy phosphor	Mrs FOKA, Kewele Emily	
[15] Analysis of temperature-dependent current-voltage characteristics and extraction of series resistance in Pd/ZnO Schottky diode	Mr MAYIMELE, Meehleketo Advice	
[95] The Synthesis and Characterization of Magnetic/ Luminescent Fe¬3O4-InP/ZnSe Core-Shell Nanocomposite	Ms PAULSEN, Zuraan	
[91] Structure and optical properties of undoped and Mn-doped ZnO(1-x)Sx nano powders prepared by precipitation method	Mr KOAO, Lehlohonolo	

[13] Effects of the copper content on the structural and electrical properties of Cu2ZnSnSe4 bulks used in thin-film solar cells	Dr YIHUNIE, Moges Tsega	
[89] Magneto-optical investigation of the cyclic redox R2O2S ↔ R2O2SO4 (R: Eu, Tb) reactions	Prof. HÖLSÄ, Jorma	
[32] Preparation of ZnO nanorods and their gas sensing properties	Ms SHINGANGE, Katekani	
[50] Characterization of TiO₂ nanostructures prepared by microwave method for gas sensing	Ms TSHABALALA, zamaswazi portia	

Wednesday 06 May 2015

Poster: Poster Session 2 (13:30-15:00)

[id] title	presenter	board
[58] Systematic Study of Up-Conversion Luminescence in NaYF4:Yb3+,R3+	Mr LAIHINEN, Tero	
[56] Rare earth doped lanthanum strontium borate (La2Sr3(BO3)4: xTb3+) polycrystalline green phosphors	Ms MADIHLABA, Roz	
[35] A study of the interface kinetics affecting cylindrical phase separation in PS-b-PMMA copolymer thin films	Dr URGESSA, Zelalem N.	
[87] Interplay between phase transitions and thermoluminescence in BaAl2O4	Prof. HÖLSÄ, Jorma	
[27] Electrical Characterisation of Electron Beam Exposure Induced Defects in Silicon	Ms DANGA, Helga	
[21] Zn2SiO4:Mn2+ co-doped with Tm3+ and other Re ions (Re = Rare-earth): Synthesis, Structure and Optical Properties	Dr MBULE, Pontsho	
[23] n-WO3|p-Si tandem layer solar cells as new candidates on the Shockley-Queisser chart of photovoltaic efficiency	Mr MPANZA, Funda	
[46] The influence of reaction times on structural, optical and luminescence properties of CdTe nanoparticles prepared by wet-chemical process.	Ms KIPROTICH, Sharon	
[40] An Ab-initio Study into possible metastability of the Antimony-vacancy (Sb - V) complex in Germanium.	Mr WEBB, Geoffrey	
[68] AZO as a transparent conductive oxide for inversion-layer silicon solar cells	Mr NAMBALA, Fred Joe	
[39] Microwave assisted synthesis of ZnO nanoparticles for lighting and dye removal application	Dr KUMAR, Vijay	
[74] Analysis of deep level emission bands in solution grown ZnO nanorods	Mr MBULANGA, Crispin Munyelele	
[72] Pd doped ZnO nanostructures: Structural, luminescence and gas sensing properties	Dr MHLONGO, Gugu	
[94] Effect of solvent medium on the material properties of ZnO nanoparticles synthesized by sol-gel method.	Mr UNGULA, Jatani	
[10] Luminescence properties of CaO:Bi3+ phosphor	Dr MOHMMED, Abdelrhman	
[59] Chemical and electrical characteristics of annealed Ni/Ir/Au and Ni/Au contacts on AlGaN	Mr NGOEPE, Phuti	
[48] Synthesis and characterization of structural and luminescence properties of TiO₂ nanoparticles for water treatment application	Prof. DEJENE, Francis	
[57] Surface morphology and structural properties of iron oxide thin film photoanode prepared by dip coating: effect of electrochemical oxidation	Ms KELEBOGILE, Maabong	
[34] Electrical characteristics of a nearly ideal Ni/4H-SiC interface studied by I–V–T and Admittance techniques	Mr LEGODI, Matshisa	
[19] Interaction mechanism for energy transfer from Ce to Tb ions in silica	Dr KROON, Ted	
[31] Synthesis and Characterization of a Novel Rare-Earth Oxyorthosilicates (R2SiO5) (R = La, Gd, Y) Doped Dy3+ Nanophosphors	Mr OGUGUA, Simon. N	

Poster: Poster Session 2 Continued (15:20-16:00)