

Transparent Conductive Materials 2 : TCOs



TRANSPARENT CONDUCTIVE OXIDES

12th December 2013 – LMGP seminar room

2nd floor - Minatec PHELMA

13h30 Introduction (Daniel BELLET, LMGP)

13h35 "Fluorine-doped SnO₂ thin films: electron scattering mechanisms and optical properties measurements by spectrophotometry"

G. Rey, C. Ternon, M. Modreanu, X. Mescot, V. Consonni, D. Bellet

14h10 "High optical haze transparent conductive ZnO-SnO₂:F nanocomposite electrodes"

G. Giusti, E. Puyoo, V. Consonni, D.P. Langley, S. Zhang, C. Jimenez, D. Bellet

14h40 "Structural ordering of SnO₂:F thin films by spray pyrolysis for photovoltaic and optoelectronic devices"

V. Consonni, G. Rey, G. Giusti, H. Roussel, B. Doisneau, E. Blanquet, D. Bellet

15h10-15h35 Tea break

15h 35 "Development of p-type TCO's : Cu oxide based compounds thin films deposited by MOCVD"

J.-L. Deschanvres, A. Khan, L. Bergerot, F. Roux, C. Jimenez, O. Chaix, L. Rapenne, B. Doisneau, H. Roussel

16h 05 "Cu₂O thin films deposited by Spatial Atomic Layer deposition: a promising approach to Cu-based TCOs"

D. Muñoz-Rojas, M. Jordan, C. Yeoh, A.T. Marin, A. Kursumovic, L. Dunlop, D.C. Iza, A. Chen, H. Wang, J.L. MacManus-Driscoll

16h40 "Deposition and characterization of ITO layers obtained by MOCVD"

C. Jiménez, P.D Szkutnik, X. Mescot, H. Roussel, L.Rapenne, F. Weiss

17h 10 General discussion

17h 30 End of the session

Transparent Conductive Materials 2 : TCOs



Correspondant : daniel.bellet@grenoble-inp.fr