

**E1-14: Cathodic dye-sensitization of CuCNS transparent films deposited on conducting tin oxide glass**

K Tennakone, A R Kumarasinghe, P M Sirimanne, G R R Kumara  
(*Institute of Fundamental Studies, Kandy*)

Photoelectrochemical cells based on dye-sensitized transparent semiconductor films are gaining attention as alternative solar cells.  $\text{TiO}_2$  films commonly used for this purpose are anodic and efficiency of the cell can be increased if the counter electrode is also cathodically sensitized. It was found that transparent films of CuCNS deposited on conducting tin oxide glass were photocathodic and enhanced the efficiency of the dye-sensitized  $\text{TiO}_2$  photoelectrochemical cell.