LIST OF PUBLICATIONS

LIST OF PATENTS:

1. IM Dharmadasa, J Young, AP Samantilleke and NB Chaure. Thin Film photovoltaic device and method of making the same; GB 2384621, published on 30 July 2003.
2. IM Dharmadasa, J Young, T Delsol and AP Samantilleke Copper-indium based thin film PV devices and methods of making the same; GB 2396868, published on 7 July 2004.
3. IM Dharmadasa, J Young, AP Samantilleke and NB Chaure. Thin film photovoltaic devices and method of making the same; GB 2397944, published on 4 August 2004.

LIST OF REFEREED PUBLICATIONS IN INTERNATIONAL JOURNALS:


60. Electrodeposition of p\textsuperscript{+}, p, i, n and n\textsuperscript{-}-type copper indium gallium diselenide for development of multi-layer thin film solar cells. NB Chaure, AP Samantilleke, RP Burton, J Young and IM Dharmadasa, Thin Solid Films 472 (2005) pp212-216.


73. Comparison of electrodeposited and sputtered intrinsic and Aluminium doped Zinc Oxide., J.S. Wellings, A.P. Samantilleke, P. Warren, S.N. Heavens and I.M. Dharmadasa, Submitting to ........

BOOKS & CONTRIBUTIONS TO BOOKS:


7. Development of Thin Film Solar Cells Based on a New Model for Achieving High Conversion Efficiencies. IM Dharmadasa and PH Gardiner, Nova Publications, New York, US. Accepted and in Press, 2005.
ARTICLES WRITTEN FOR PUBLIC UNDERSTANDING OF SCIENCE:


7. We've got the power - Solar Energy can fuel the country's development. IM Dharmadasa, The Sunday Times - Sri Lanka, 4 October 1998.


CONFERENCE PAPERS:


9. Development of electrochemically grown ZnSe layers and p-n junction device structures. AP Samantilleke, IM Dharmadasa, J Young, KA Prior, R Bacewicz and A Wolska. Proc. of the


11. Electrodeposition of $p^+$, $p$, $i$, $n$, and $n^+$-type CuInGaSe$_2$ for development of multilayer thin film solar cells. NB Chaure, AP Samantilleke, J Young and IM Dharmadasa. Proc. of HCP conference in Cyprus 2004.


**CONFERENCE PRESENTATIONS:**

**ORAL PRESENTATIONS:**


2. Workshop on "Microprocessors; Theory and Applications". 1983 - ICTP, Trieste - Italy. (4 weeks summer school).


7. Electrical contacts to II-VI Semiconductors; CdTe, CdS and ZnSe. I M Dharmadasa, C J Blomfield and G E Gregory. II-VI Semiconductor meeting, Univ. of Hull, June 1994.


13. Electrical contacts to II-VI Semiconductors; CdTe. IM Dharmadasa, CJ Blomfield and SM McGregor. II-VI Semiconductor meeting, North East Wales Institute, April 1995.


17. Applications of GDOES for characterisation of Electronic Materials and Devices. IM Dharmadasa, M Ives, C Breen, G Hill, M Hopkins and CC Button. 1st Int. Conf. on Materials for Optoelectronics. August 1995, Sheffield Hallam University.

18. Electricity from Sunlight. IM Dharmadasa. 3 Public lectures were given during the British Council funded tour in Sri Lankan universities. October 1995.


33. Electrodeposited n- and p-type ZnSe for use in large area devices. IM Dharmadasa, AP Samantilleke, J Young & MH Boyle., II-VI Semiconductor meeting held at Heriot-Watt University, 3-4 April 1998.


40. Thin film solar cells and the effect of contacts on their performance. IM Dharmadasa. Plenary Lecture at II-VI Semiconductor meeting held at Sheffield Hallam University, 8-9 April 1999.

41. Electrodeposition and characterisation of CuInSe₂ for applications in thin film solar cells. IM Dharmadasa, Oral presentation at II-VI Semiconductor meeting held at Sheffield Hallam University, 8-9 April 1999.

42. Growth and characterisation of electrodeposited n-type and p-type ZnSe thin films, and their use in optoelectronic device development. IM Dharmadasa, MH Boyle, AP Samantilleke, J Young, R Bacewicz and A Wolska. Oral presentation at BACG conference held at Cambridge University, 16-17 Sep. 1999.


51. Three lectures were delivered on (a) Use of clean energy technologies for social development & reduction of poverty, (b) Lighting in Buildings; Past, Present & Future and (c) New developments in thin film PV solar cells in Photo-Science 2005/Cuba, as the **invited guest lecturer**/March 2005.

52. **One Invited Talk** and two other oral presentations were delivered in IMRC-15 conference held in Cancun/Mexico, in August 2005.

53. **Plenary Lecture** at the International conference on Electronic Materials, held at Shivaji University, Kohalpur, India, October 2007.

54. **Plenary Lecture** at the international conference held at Portsmouth University, November 2007.

**POSTER PRESENTATIONS:**

1. 18th International Conference on The Physics of Semiconductors. 1986, Stockholm, Sweden.

2. Solid State Physics Conference - 1987 - Univ. of Bristol - UK.


15. Study of impurity profiles of photon annealed shallow p-n junctions in semiconductors; Si, GaAs and InP. ST Shishianu, TS Shishianu, IM Dharmadasa, AK Ray and M Ives. CMMP-95, Univ. of Liverpool, December 1995.


18. Electrodeposition of CuInSe$_2$ for development of thin film photo-voltaic devices. T Delsol, IM Dharmada, AP Samantilleke and J Young. CMMP99, December 1999, Univ. of Leicester.


22. The reproducibility, Uniformity and Scalability of Multi-layer Graded Bandgap solar cell structures based on GaAs/AlGaAs System, IM Dharmada, GJ Tolan, JS Roberts, G Hill, S Ito, P Liska and M Grätzel, 21$^{st}$ EU photovoltaic conference, Dresden Germany, June-2006.
