

Engineering for the Developing World Seminar Series.

"Solid State Lighting; A Strong Candidate for Creating Wealth & Equality in the Developing World"

David Irvine-Halliday

University of Calgary and "Light Up The World"

2.00 - 3.00 pm, Tuesday 13th May, 2008,
Room 2053, Materials Research Laboratory.

Abstract:

The developing world has nearly 2 billion people in the rural regions who have an urgent need for safe, healthy, rugged, affordable and long lasting electric home lighting. LUTW, the pioneer and global leader with more than ten years of experience, has proven beyond question the feasibility and appropriateness of using Renewable Energy based Solid State Lighting (SSL) in the developing world. By way of Micro Credit LUTW has demonstrated that SSL is a formidable and universal creator and re-distributor of wealth since, most families can pay for it within one to two years, and the resulting extra disposable income contributes positively to all of the UN Millennium Development Goals. There is no question that SSL is incredible value for money for those at the Base of the Economic Pyramid, and its benefits are immediate, profound, widespread and permanent!.

Brief Biography:

Dave Irvine-Halliday was born (1942) and educated (BSc, MSc & PhD) in Scotland. He lived in Canada and Australia before settling down in Canada in 1982 and is now "Light Up The World (LUTW) University Professor" at Calgary. Dave spent two decades in Fiber Optic Sensors & Communication plus Biophotonics, before discovering his life's work was to be Renewable Energy based Solid State Lighting for the Developing World, and he and his wife Jenny co-founded LUTW (www.lutw.org) in 1997. As a result of bringing the Gift of Light to nearly 20,000 homes, schools, clinics etc. in 42 countries Dave and the LUTW Foundation have received numerous awards which include: APEGGA Summit, Rolex, Tech Museum, Saatchi & Saatchi, Reader's Digest Hero, Time Canada Hero, Meritorious Service Medal (Canada), Alberta Centennial Medal, IEEE Third Millennium Medal, Honorary Doctorate (Aberdeen) and K.Y. Lo Medal. Dave is an avid photographer, lifelong mountaineer (Everest Expedition 2000) and trail runner (dave@lutw.org).



Host: Professor Roy Smith (roy@ece.ucsb.edu)

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