

Title: Centre for Hybrid and Organic Solar Energy (CHOSE)

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Abstract:

The Centre for Hybrid and Organic Solar Energy (Polo Solare Organico della Regione Lazio, www.CHOSE.it) was founded in December 2006 within the University of Rome – Tor Vergata, to carry out R&D on hybrid and organic/polymer photovoltaic technology. The main focus of the Centre is to carry out research and development on dye sensitized solar cells with particular emphasis on developing efficient and flexible fabrication processes not only at the cell level on glass and flexible substrates but also at the module, panel and eventually system and application integration levels which can be useful for a future industrialization of this technology. In this, C.H.O.S.E is aided by the collaborations set up with a variety of partners especially regarding the development of materials for DSCs. Important areas of our project will be on developing device and module technology including their encapsulation and testing lifetimes against indoor and outdoor parameters. In this poster we will present the Centre and its initial efforts in dye sensitized R&D.