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Miro Zeman is the head of the Electrical Sustainable Energy department at the Delft University of Technology. Miro carries out and supervises research in Materials Engineering, Optical...

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He regularly attends world conferences on advanced materials and photovoltaics in Europe, USA, Japan and China, where he contributed with more than 80 presentations. In 2006 he co-founded a non-profit organization Slovak Renewable Energy Agency (SkREA) in Slovakia, which aims to promote the implementation of solar energy in Slovakia.

PV technology11. A short history of solar cells12. Crystalline silicon solar cells13. Thin-film solar cells14. A closer look to some processes15. PV modules16. Third generation conceptsIV. PV systems17. Introduction to PV systems18. Location issues19. Components of PV systems20. PV system design21. PV System economics and ecologyV.

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PHOTOVOLTAIC SYSTEMS Miro Zeman Delft University of Technology 9.1 Components of a PV system The solar energy conversion into electricity takes place in a semiconductor device that is called a solar cell. A solar cell is a unit that delivers only a certain amount of electrical power. In order to use solar electricity for practical devices ...

Miro Zeman's 61 research works with 207 citations and 4,471 reads, including: Revealing capacitive and inductive effects in modern industrial c-Si photovoltaic cells through impedance spectroscopy

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