

## The Solar Power: Enlightenment of our Energy Future

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Lecture Theatre A, Daphne Du Maurier, Penryn Campus



The quest for economically viable solar energy conversion technologies has accelerated with the imperative to become far less reliant on fossil fuels. An innovative way to reduce its cost is through developing low cost material and concentrating solar radiation into smaller areas. This lecture outlines the diverse range and scale of potential implementation of solar technologies,

especially concentrating photovoltaic and their application into the built environment. Factors associated to achieve high efficiency solar system and its key technical challenges and advances in such research are discussed. An overview of promising current research directions that should lead to economically viable photovoltaic solar power systems is presented.