



Web Talk Title: Solar Thermal Systems

About Webinar

Solar energy, radiant light and heat from the sun, has been harnessed by humans since ancient times using a range of ever-evolving technologies. Solar energy technologies include solar heating, solar photovoltaics, solar thermal electricity, solar architecture and artificial photosynthesis, which can make considerable contributions to solving some of the most urgent energy problems the world now faces. The Earth receives 174 petawatts (PW) of incoming solar radiation (insolation) at the upper atmosphere. Approximately 30% is reflected back to space while the rest is absorbed by clouds, oceans and land masses. The amount of solar energy reaching the surface of the planet is so vast that in one year it is about twice as much as will ever be obtained from all of the Earth's non-renewable resources of coal, oil, natural gas, and mined uranium combined. Solar energy can be harnessed at different levels around the world, mostly depending on distance from the equator.

Webinar Coverage

- Scheffler Dish
- Parabolic Trough
- Sterling Engine Dish
- Solar Towers

Speaker Profile – Shri. Sanjay Seetharaman

Currently working as Assistant Director at Regional Directorate, National Productivity Council, Bengaluru. He has done his Bachelors of Engineering in Mechanical Engineering from Madras University with an experience of over 16 years, of which 6 years was in System Design of Sub-Sea Components, High Pressure Systems, Thermal Systems, followed by Project Management and Energy Management for 5 years each. Started career as GAT in ISRO, then CSIR-DJRI Fellowship, and followed by Project Associate in National Institute of Ocean Technology before joining National Productivity Council. He is also Certified Energy Auditor and holds Certificate in Project Management.

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