

Invited Talk – *Subbarao Surampudi* – Jet Propulsion Laboratory,  
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**Advanced Power Sources for Low Power Wireless Devices and Sensors:** Advanced mobile wireless devices and sensor networks require power sources that are mass and volume efficient and can operate over a wide temperature range. Further these power sources must be able to be integrated with the wireless devices and sensors. State-of the art batteries and fuel cells are heavy and bulky and often times do not meet operation life requirements. This paper gives an overview of micro power sources such as micro fuel cells, micro thermoelectric devices and energy storage devices such as batteries and hybrid power sources that are under development.