



HYBRID POWER HARVESTER USING ENGINE SOURCE

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Abstract- In mainly we present a compact, multisource and battery-free energy harvesting from engine source. This battery free generator captures energy from its environment transient thermal gradients as a main source, and vibration as a secondary source allowing early biasing of the generator and stores this energy in ultra-capacitors .In this way, this multi-source architecture benefits from the synergy between energy scavenging and harvesting.

Index terms: Multi-source, Ultra-capacitors, Thermal energy, Vibrations.