Skeleton

Question oriented arrangement

- NOT an innovative paper with a big novel idea
- BUT a general and systematic consideration of HOW to design

Solar Energy Harvesting (SEH) Wireless Embedded System

- What is SEH? Everything about SEH
- How SEH affects the management of our Wireless Embedded System?
- Seeing is believing a vivid demo of the above consideration

Solar Energy Harvesting

What is **SEH**

Pretty simple: draw energy from the sunshine to power our devices

• Its peers:

Harvesting technology	Power density	
Solar cells (outdoors at noon)	$15mW/cm^2$	The highest power density
Piezoelectric (shoe inserts)	$330\mu W/cm^3$	power demony
Vibration (small microwave oven)	$116\mu W/cm^3$	
Thermoelectric (10°C gradient)	$40\mu W/cm^3$	
Acoustic noise (100dB)	$960nW/cm^3$	

Idea source
For powering
An embedded system
With a smaller harvesting size