

Presentation English 4

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Remote Monitoring



Sustainability



Industrial Measurements



Air/Climate Water/Soil Indoor Monitoring



Power Quality and Consumption Monitoring Solar Monitoring Wind Farm Health



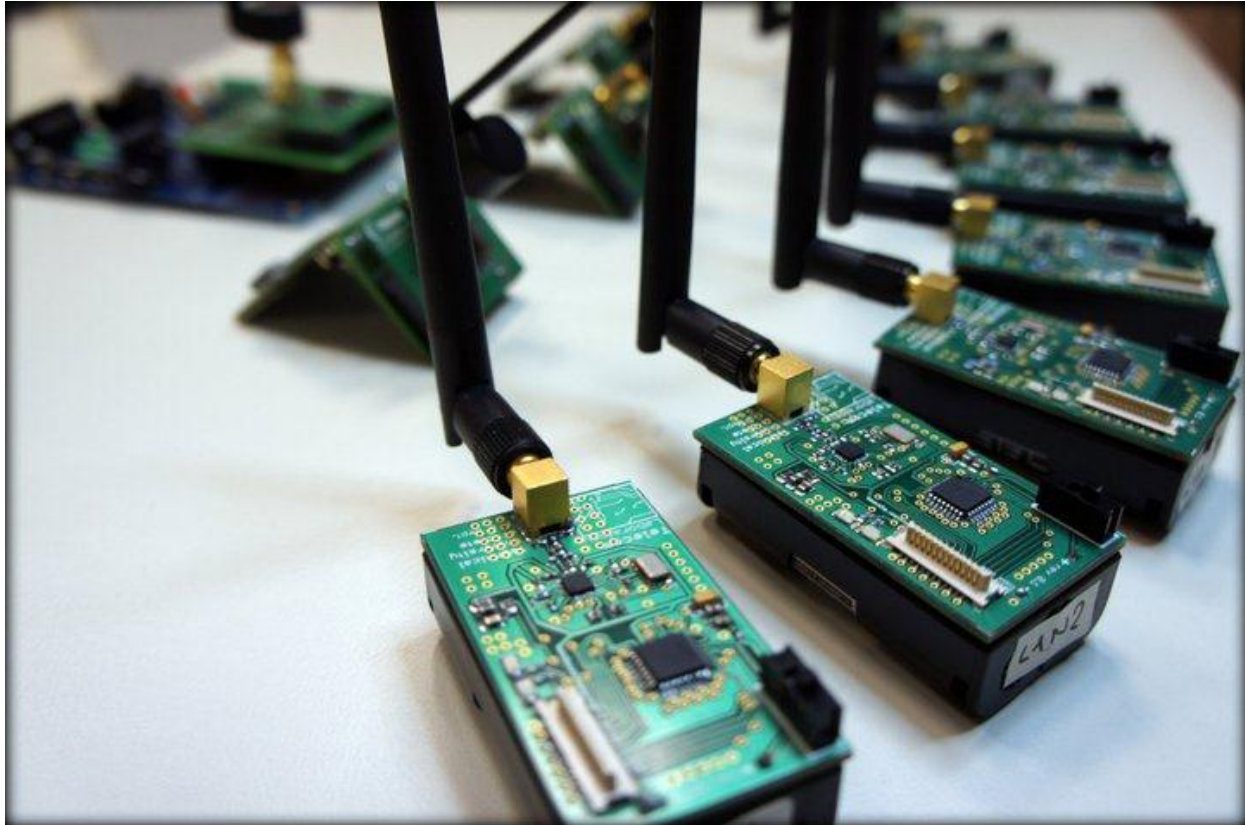
Structural Health Monitoring Machine Condition Monitoring Process Monitoring

Subject:

WIRELESS SENSOR NETWORKS (WSN)

1. Generally

- Wireless sensor networks



2. Components

Motes or Nodes



Data processing
(microcontroller)



Wireless radio module

3. Properties

- Microcontroller



- Radio Module

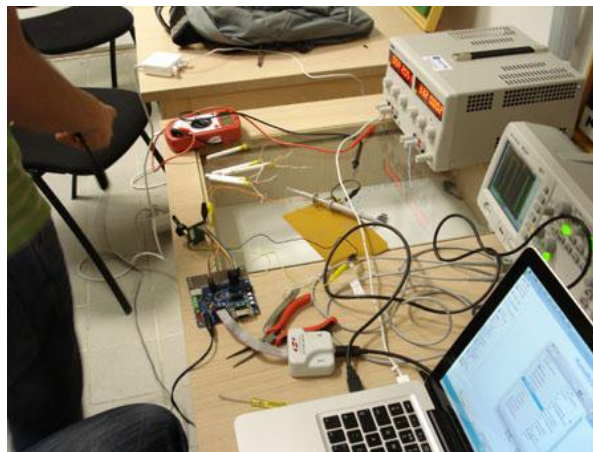


4. Materials

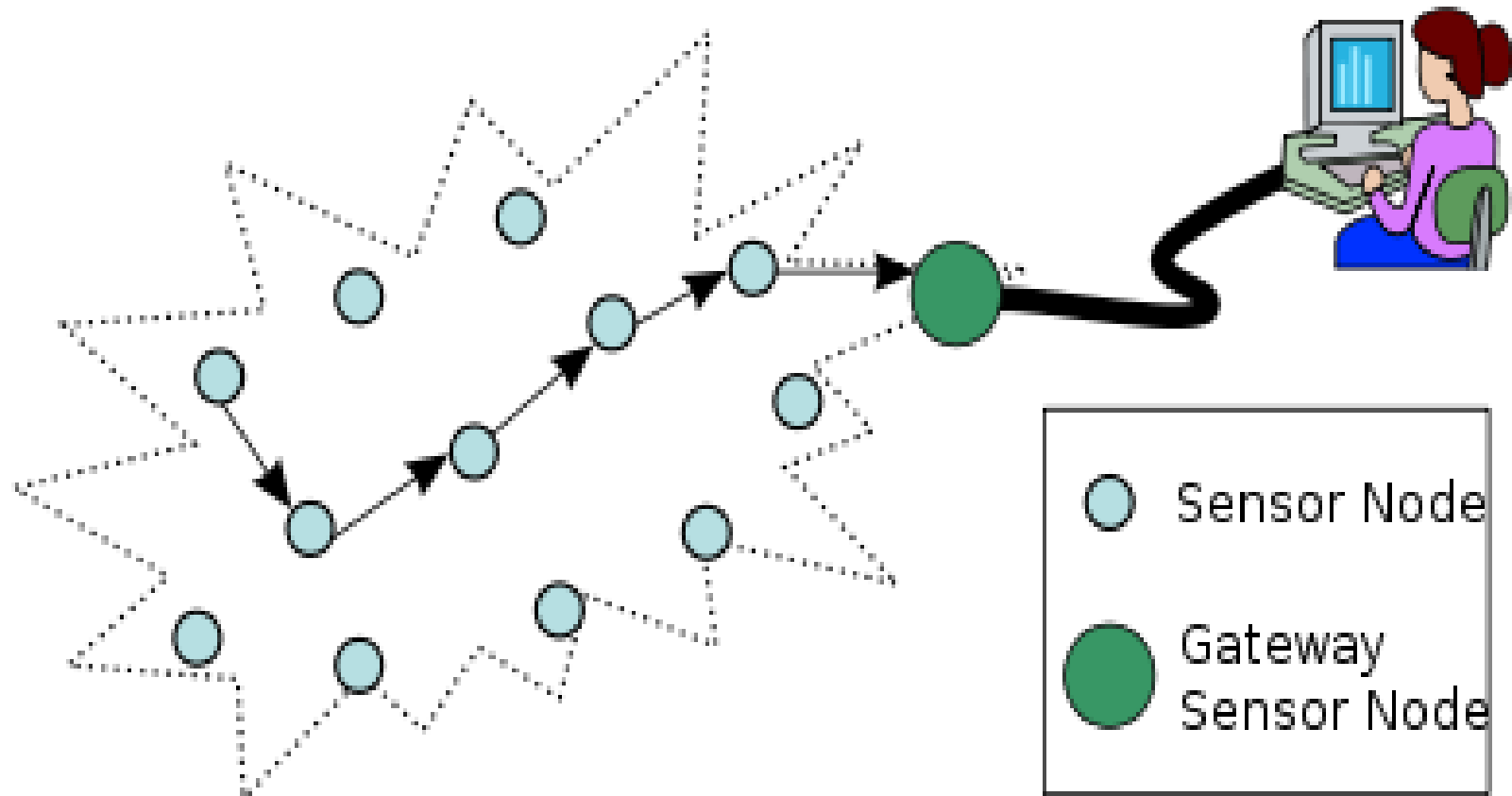
- microchips



- Electronic board



5. principle

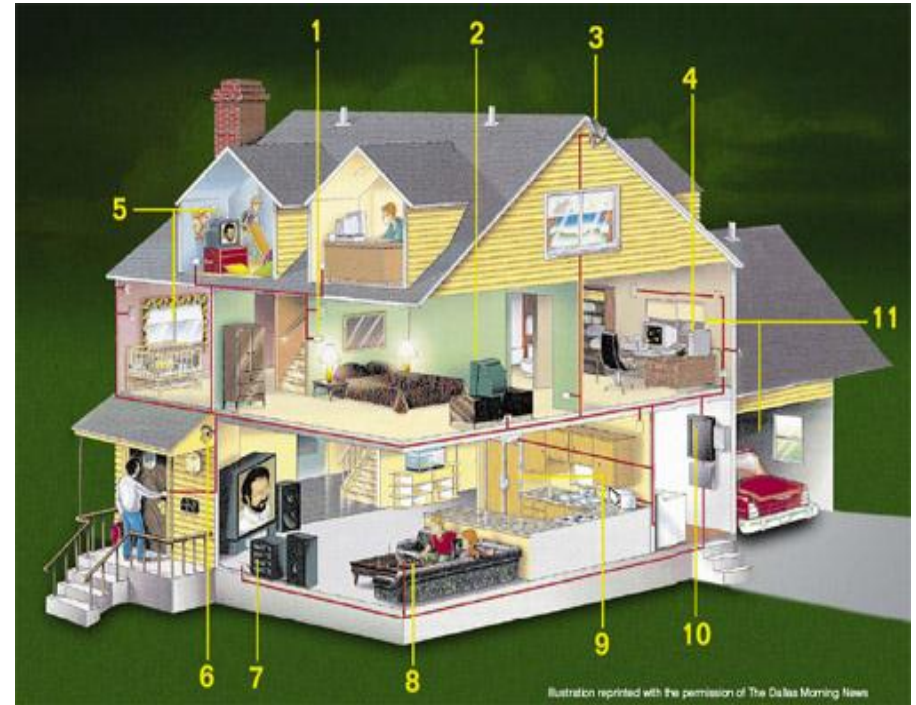


6. Possible Applications

- Agriculture



- Smart homes



Sources

- www.facebook.com
- http://www.telecom.tuc.gr/~aggelos/tel404_spring2010/
- picture from Google