**SUSTAINABLE COMPUTING**
Informatics and Systems

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**DESCRIPTION**

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- Power-aware software
- Code profiling and transformation for **power management**
- Power-aware middleware
- Multimedia systems
- Scheduling and allocation

Computing for sustainability - Use of computing to make the world a sustainable place:
- Use of sensors for **environmental monitoring**
- Smart control for **eco-friendly buildings**
- Green Data Centers and Enterprise Computing

Re-inventing algorithms and applications for sustainability:
- Theoretical aspect of **energy**, power, and temperature
- Power-aware applications
- **Resource management** to optimize performance and power
- Power implications for portable and **mobile computing**
- Algorithms for reduced power, energy and heat for high-performance computing

Modeling and evaluation of **sustainable systems**:
- Reliability of Power-aware computers
- Runtime systems that assist in power saving
- Models for collective optimization of power and performance
- Monitoring tools for power and performance of parallel and distributed systems
Sustainable hardware platforms and devices - Hardware and architecture perspective:
- Power aware networking
- Real-time systems
- **Power-efficient** architectures
- Efficient circuit design for energy harvesting
- Power management in memory, disk, storage and other peripheral devices
- Configurable and renewable energy
- Low power electronics
- Embedded systems, ASICs and FPGAs
- Power leakage and dissipation

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Example: ..... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result ....'
List: Number the references (numbers in square brackets) in the list in the order in which they appear in the text.
Examples:
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