

# SEB'09

International Conference on  
Sustainability in Energy and Buildings '09

## Invited Sessions

**Title of Session:** Engineering Intelligence and Energy Technologies

**Name of Chair:** Dr. Cesar Sanin

**Description:**

Moving towards energy sustainability will require changes not only in the way energy is supplied and used, but in the way energy knowledge is collected, distributed and administered. Engineering Intelligent (EI) systems will help providing mechanisms for supporting knowledge management tools among multiple engineering fields, and energy sustainability cannot be the exception. Nowadays, several knowledge and artificial intelligence (AI) tools are devoted to develop the generation, collection and administration of energy related information, i.e. smart energy.

Additionally, over the next few years several governments will build the leadership, networks, research and knowledge base for renewable energy that will include multiple research teams solving energy related issues. These initiatives will require the cooperation and contributions of the scientific community with well define knowledge systems.

In this session, we explore how new knowledge and EI technologies are used within the field of renewable energy. Thus, the session will help to bring together different scientist views on the construction of e-science technologies.

**Website URL (if any):**

**Email & Contact Details:**

*Dr. Cesar Sanin*

**Priority Research Center for Energy**

Faculty of Engineering and Built Environment

University of Newcastle,

University Drive, Callaghan, NSW 2308, Australia

Ph. +61 (2) 49854400 / Fax +61 (2) 49216893 / Mob. +61 (4) 02778537

[Cesar.Sanin@newcastle.edu.au](mailto:Cesar.Sanin@newcastle.edu.au)