

International Conference on Sustainability in Energy and Buildings

Invited Sessions

Title of Session: People Tracking and Activity Recognition within Intelligent Buildings

Name of Chair: Dr Catalina Spataru, UCL Energy Institute

Description:

Monitoring people is becoming a more and more important subject in various domains, from health care to engineering. Various technologies for indoor localization have been developed. These include RFID, Wi-Fi technology, UWB and ultrasounds. In built environment, research studies showed that it is not enough just to improve building performance in order to improve energy efficiency; it is also important to understand and influence occupant behaviour, due to the fact that in domestic buildings the occupants exert complete control.

The Special Session on “People Tracking and Activity Recognition within Intelligent Buildings” aims to bring together researchers from diverse fields including but not limited to: wireless technologies for smart spaces, smart sensors for monitoring renewable energy technologies, personal and body networks, wearable devices, tools for monitoring human behaviour in smart spaces, data analysis tools. The purpose of this special session is to see how ‘smart systems’ can contribute to energy reduction in buildings and improve the quality life of people. We encourage authors to submit papers describing original work, including systems descriptions, methods, techniques, data analysis, applications and recent advances.

Website URL (if any):

Email & Contact Details: c.spataru@ucl.ac.uk