

**GUIDELINES FOR AUTHORS SUBMITTING ABSTRACTS TO THE 36th
INTERNATIONAL SYMPOSIUM OF REMOTE SENSING OF ENVIRONMENT**

Urban and Smart City Energy and Thermal Monitoring Techniques

S. Lee
Stevenson Astrosat, Summer House, Eskmills, Musselburgh, EH21 6PB.

THEME: Innovative Remote Sensing Techniques and Systems

KEY WORDS: Thermal, Carbon, Smart/Future Cities, Space -based and Remote Sensing

ABSTRACT:

Steve Lee from UK multi award winning Scottish company Stevenson Astrosat will present innovative services developed to combine in-situ and space data with future city systems to provide enhanced situational awareness and planning systems to urban users - both governmental, commercial and industrial.

We will present on-going demonstrations of our developing technology showing where Copernicus space data can be combined with in-situ and vehicular sensing systems. These demonstration projects are supported by the UK and Scottish Government, the Step Up municipalities and developed in partnership with the University of Strathclyde and DLR. We will conclude by presenting a road-map for uptake and value of these services to the EU in line with directives requiring actions to be taken to reduce our carbon impact of cities - a cornerstone of smart city strategies.