# Information System and Science for Energy (ISS4E)

<http://blizzard.cs.uwaterloo.ca/iss4e/wiki/index.php/Main_Page>

## Location

DC 3562

## Management

Director:

* Srinivasan Keshav ([keshav@uwaterloo.ca](mailto:keshav@uwaterloo.ca); x34456)

Co-Director

* Catherine Rosenberg

## Users

UW Grad Students

## Research

* Building monitoring
* Smart Home
* DG Anomaly Detection
* Direct Load Control
* Teletraffic Analysis of Electricity Load
* Mobile Energy Monitoring and Control
* Balancing Network Generation and Load Using EV Fleet Charging
* Transitioning Taxi Fleets to Electric Vehicles

## Selected Projects

* Home Energy Modeling
* Taxi Fleet Conversion to Electric Vehicles
* Data Centre Upgrade

## Equipment

* Microsoft Home OS
* iSMART power strips – measure power usage
* They build customized Solar Panels
* Home Measurement Kits – measures home electric usage every 6 sec
* 55 Blackberry cells – to use as GPS for vehicle mobility)
* 40 Black boxes – to measure humidity/temperature, light level and sound levels of buildings

## Sponsors

* CFI
* Microsoft
* RIM

## Access Rights

Free for grad students