Energy Management for Local Energy Loading in A Microgrid

Problem

- Energy demand supply mismatch
- Low profits are earned by sellers

Solutions

- Optimisation solutions to maximise profits cause by sellers beyond a certain threshold value, while balancing supply demand mismatch,
- Use of peer to peer energy trading concepts.
- Simulations were implemented in Matlab Yalmip Solver software.

Ravi Kishore Tholuchuri, Deakin University, Melbourne, Victoria, Australia,

rtholuch@gmail.com