Available Online at www.ijcsmc.com

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology

ISSN 2320–088X

IJCSMC, Vol. 2, Issue. 9, September 2013, pg.191 – 197

RESEARCH ARTICLE

Buffer Cluster Scheduling Scheme for Smart Grid Advanced Metering Applications

A.C.Dhivya[1], N.Hema[2]

[1]Research Scholar, Department of Computer Science, Vivekanandha College, Elayampalayam, Tiruchengode, Tamil Nadu, India
[2]Assistant Professor, Department Of Computer Science, Vivekanandha College, Elayampalayam, Tiruchengode, Tamil Nadu, India

[1] acdhivya@gmail.com; [2] hemaguna_80@yahoo.co.in

ABSTRACT: - Energy consumption in outlook bright energy networks (or Smart Grids) will be based on grid-integrated near-real-time transportation between various grid elements in generation, transmission, distribution and loads. This paper discusses some of the challenges and opportunities of communications research in the areas of smart grid and smart metering. In particular, we focus on some of the key communications challenges for realizing interoperable and future proof smart grid/metering networks, smart grid security and privacy, and how some of the existing networking technologies can be applied to energy management. Finally, we also discuss Buffer cluster Scheduling scheme for Smart Grid Advanced Metering Applications.

keywords—Smart grid; smart metering; demand response; interoperability; standards; wireline and wireless communications; renewable energy; security; privacy

Full Text: http://www.ijcsmc.com/docs/papers/September2013/V2I9201356.pdf