Abstract

This paper is the review of Self organization in future mobile network. As for now self organization is being applied to autonomic computer, or wireless network but presently self organization in mobile network is the emerging field with lot of research direction in various field related to mobile communication. In this paper a brief introduction of the term self organization and SON is presented. Also paper contains the weakness of existing system with increasing complexity. Key objectives for the deployment of self organization in system are to ensure excellent coverage and capacity with reduced interference. Deployment of SON also reduces capital operating expenditure as it eliminates the need of skilled labour. SON is mainly classified in three type’s viz. self configuration, self optimization and self healing which covers almost all parameters and function related to mobile communication. Lastly it concludes with few research directions and the areas which need more research work to be done.
- M. B. Stefania Sesia, Issam Toufik, LTE - The UMTS Long Term Evolution. From Theory to Practice. Wiley & Sons Ltd., 2009.
- J. G. Andrews, "Interference cancellation for cellular systems: a contemporary

**Index Terms**

Computer Science

Networks

**Keywords**

SON eNB OPEX self configuration self optimization self healing.