Abstract

Utility of graphical representation of EEG data and colour-maps are now well established. Research on localisation and activity in neuronal pathway are also progressing. The EEG data could be visualized simultaneously as colour-maps and as connected neuronal pathways simultaneously as a movie on a GUI for diagnosis and understanding of the brain activity. The colour-maps are generally constructed using ICA. In this paper, the same is constructed using a compressed sensing technique. A GUI with the connected graph and magnitudes are also generated from EEG.

References

- S. C. Ponten, L. Douw, F. Bartolomei, J. C. Reijneveld, C. J. Stam, "Indications

**Index Terms**

Computer Science  
Biomedical
Keywords

EEG compressed sensing  colour map  connectivity  GUI