

Title: Techniques for Contact-free Physiological Monitoring - Current Applications and Challenges

Date : 09-DEC.-2013 (Monday)

Time : 2:00 pm to 3:00 pm (followed by discussion)

Venue : ESB 244, Department of Electrical Engineering.

Abstract of the talk: The talk will summarize our recent work in the area of ubiquitous physio-logical monitoring and compare it to the state of the art in the literature. We will first describe what is mean with "non-contact" in physio-logical monitoring. The talk will then briefly introduce several physical modes of interaction with the body. Afterwards, we will illustrate the potential of medical application by describing selected medical examples and will finish by introducing proper categories for comparison of methods, like the question of active energy injection or the penetration depths.