Subject:

Today mobile devices such as laptops, PDAs and handsets involve in high speed IP communication on Wi-Fi, HSDPA and WiMAX. Media Streaming applications on 3G and 4G are becoming more popular [1]. According to industry researchers, the number of mobile VoIP minutes will rise from 15 billion in 2010 to 470.6 billion minutes by 2015. This is 31 times bigger than what we currently have in terms of mVoIP voice minutes. VOIP is typically carried out with RTP/RTCP protocols. The aim of this project is to develop a novel VOIP application that includes the following features:

- Autonomic streaming technology
- Video call
- Conference call (with video)
- Telesecretary

Required background: Candidates must have an engineering diploma in computer or electronics.

References: