



My name is Luis Guillermo Martinez Ballesteros. I got a M.Sc Telecommunications Engineering and a B.Sc Systems Engineering at National University of Colombia. I am now a Ph.D student at Mobile Services Lab/Wireless at the Royal Institute of Technology (KTH) with a scholarship from the Colombian Government ICT at. I am currently working on the use semantic knowledge, which is describing the models of resource utilization related to a desired QoE for a class of mobile services/apps, with the goal to optimize wireless communication spectrum, cost and energy.

I had two basic reasons to be interested on attending the proposed Summer School: first of all, as part of my research work, which includes the use of information provided by applications and users to adjust the management of wireless networks to a desired QoE, the concepts proposed in the thematic might help me to incorporate important elements of semantic management of information in my research, and address my work in line with today's digital world trends. Secondly, it is my interest to consolidate a contacts network that allows me to incorporate some of the new "hot topics" in ICT within the R&D system in my country, Colombia. My country, sponsoring Ph.D students, is committed to technological development. From my point of view, the way to reach this goal is to identify and open new research areas for others to follow, and look for ways to adapt our country to the social changes arising from new technological waves.

This summer school is a really nice chance to establish contact with people from other fields. Maybe I missed to find more people working on the same topic than me. But the most important thing for me is to establish contact and strong good relationships.

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