

RESAFICH

Team	Wireless Networks & Microwave Components (RESAFICH)
Team Manager	Prof. NAJID Abdellah
Email	najid@inpt.ac.ma
Vision	<p>The RESAFICH team-project aims to design, evaluate and optimize microwave components and protocols for wireless networks. Areas of intervention are antennas and microwave components for new generation standards taking into account advanced telecommunications techniques such as MiMo, Mu-Mimo, diversities and wireless sensor networks. Although theoretically speaking, it is addressed to the whole field of telecommunications. In practice, the thematic of the RESAFICH team is more oriented towards problems related to physical layers and even network layer including wireless and ad hoc. However, the theme extends to optimizing access techniques and routing protocols in order to save energy consumption. In this context, the presentation of ideas must imperatively rely on clear and objective elements of comparison based on quantitative and qualitative assessment techniques. The role of a team is to suggest and defend by measurement or simulation results powerful algorithms.</p>
Research Topics	<ul style="list-style-type: none">• Design of microwave devices• Modeling and evaluation of performance of wireless networks• Optimization of energy consumption in sensor networks• Design of new routing protocols• Optimization of radio resources in LTE