Institute for Communications and RF Engineering contributes to the academic training of Electrical Engineering and Computer Science students through courses covering a wide range of subjects in telecommunications and radio-frequency engineering. Its research and development efforts emphasize fields of great practical relevance, including mobile communications, optical communications, radio-frequency engineering, rapid prototyping, and signal processing. Projects range from fundamental research to the design of hardware. Many projects are carried out in close cooperation with industrial partners and/or in the framework of international projects and programmes.

We offer a research position for a Ph.D. student with the following topic

**Processing of Multimedia for Robust Transmission over Wireless Networks**

The Ph.D. candidate will investigate the design methods for robust transmission of multimedia over wireless networks. The goal of the work is to adapt the multimedia stream on the underlying architecture by means of suitable pre- and post-processing methods in order to minimize the impact of errors on the end-to-end user quality. Design of such methods requires appropriate trade-off between the complexity, robustness and efficiency.

**Requirements:**

- University degree in electrical/communications engineering or computer science
- Experience in C, MATLAB
- Experience with image processing/signal processing and knowledge of mobile network architecture
- High motivation and creativity
- You must be a team player and, at the same time, be able to work independently

**Start: ASAP**

You will be part of a young and motivated team working in a diversified research area with many absorbing tasks. You will work on a project for our industry partner. The location is purposely chosen to be at the Vienna University of Technology to ensure a strong interaction with many researchers from different fields and an incessant supply of new ideas to be applied in industrial designs.

Please send your application to:

**Univ.Prof. Dr.techn. Markus Rupp**, Dean  
**Institute for Communications** and RF Engineering, Vienna University of Technology  
Gusshausstrasse 25/389, A-1040 Wien, Austria  
phone +43 1 58801-38967,-38901  
email **mrupp(at)nt.tuwien.ac.at**