Universität Stuttgart

Institut für Hochfrequenztechnik



Theory and Motivation:

- RLSA antennas offer high antenna gain in a planar form factor
- The relatively large input reflection of RLSAs can be improved by the so-called beamsquint technique.

Application:

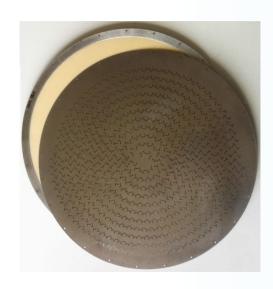
Communication systems

Tasks:

- Design and optimization of a RLSA antenna
- Exploration of the beamsquint technique
- Measurement of prototypes

Information:

- Requires some knowledge of highfrequency circuit design and concepts
- Basic knowledge of RF simulations with CST would be ideal
- Thesis can be written in either German or English
- Contact: Max Lippoldt, room 3.238, max.lippoldt@ihf.uni-stuttgart.de



Research Thesis

