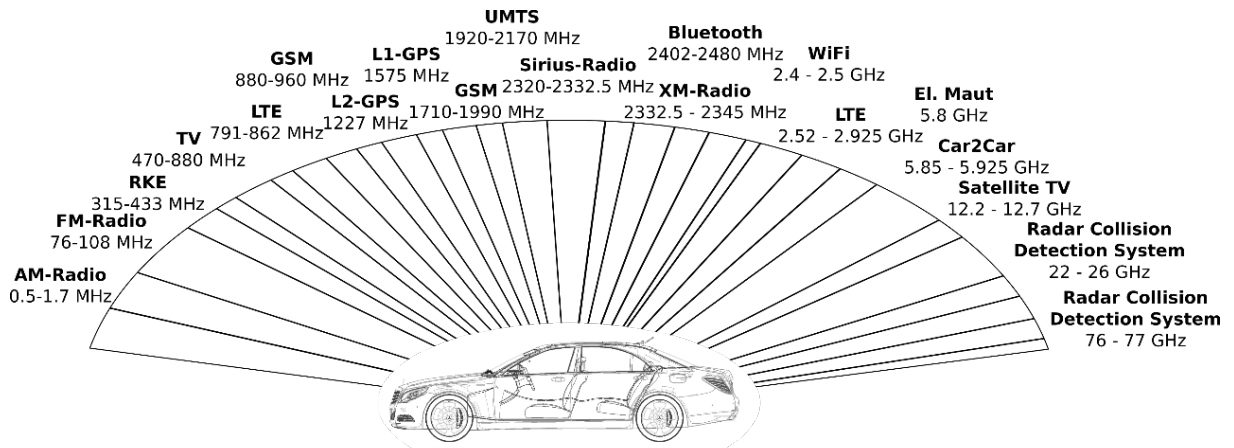


Industrial Antenna Design

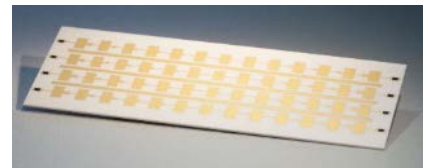
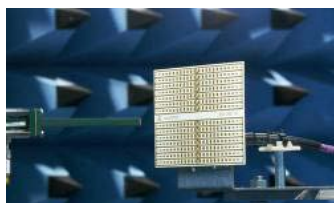
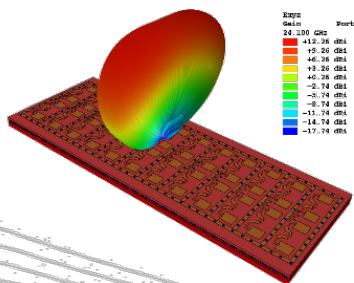
May 13th – 17th, 2019, IMST, Germany



The design of antennas for commercial applications like mobile phones, laptop computers, WLAN mobile devices and antennas for automotive communication and 5G systems is driven by many more issues in addition to the antenna concept. In such industrial projects the antenna design is one part in the whole chain of development. Therefore the antenna designer has to collaborate with teams from many other disciplines like mechanical design, compliance testing, etc. in order to arrive at a good product. During the design of the product, the antenna designer should be able to anticipate the influence of possible changes in the product specifications and be flexible to adapt his antenna concept to the next design step. Further more, the designer has to ensure that his design is reliable and cost efficient. As last point the designer has to present his solution to the customer.

This course on “Industrial Antenna Design” aims to prepare the participants for this kind of work. The course will cover lectures, practical work and team based project work using state of the art design tools and applications.

This years edition of the “Industrial Antenna Design” course will focus on the design of automotive radar and 5G antennas.



Industrial Antenna Design

May 13th – 17th, 2019, IMST, Germany

A rough outline of the course:

Industrial antenna design fundamentals (lectures)

- General issues of industrial antenna design

- Intellectual property rights

- Project management

- Antenna design and integration into products

- Efficient usage of 3D EM design software

The project (Practical Assignment & Project work)

- Design of an antenna for a state of the art application

- Work in a project team on a project schedule

- Design and build prototypes according to different phases of the product

- Measure the performance of your antenna in the application

- Presentation of the final design

Course organizer:

Winfried Simon, IMST

Prof. Dirk Manteuffel, University of Hannover

Additional course lecturer:

Abderrahim Moumen, European Patent Office

Dr. Marta Martínez Vázquez, IMST

Aline Friedrich, IMST

Course Fees:

PhD students / university employees: 440 €

Participants from industry: 1100 €

Contact:

For questions please contact

Winfried Simon (E-mail: simon@imst.com)

Registration & Detailed information:

www.webshop.imst.de -> Studies&Seminars -> ESoA course on industrial antenna design, May 13th – 17th, 2019

The course will be divided into 16h of academic lectures and 16h of practice. The course gives 2 ECTS credits.

