IEEE Student Branch Magdeburg

Workshop Series for Winter Semester 2019/2020

In this winter semester, the IEEE Student Branch presents a series of workshops on topics, which are important for studies in any subject close to electrical engineering and thus, can be very useful. The tutorials and workshops will be held every two weeks on

Wednesday 1-3 pm (even week) in **G03-R112**

Registration is not required but the number of participants is limited. **First come, first served.**

LaTeX for Beginners
M. Sc. Christian Bednarz

The workshop serves as an introduction to the popular typesetting software to produce i.a. quality reports. In 90 minutes, the basics of working with LaTeX will be presented interactively. It is shown how a document is developed from scratch and how a consistent scientific document can be created by following simple rules of formatting.

13.11.

MATLAB - Crash Course
M. Sc. Eric Glende

In this workshop, a basic overview of the wide capabilities of the program MATLAB will be given. This includes examples and demonstrations to the topics "desktop basics", "mathematical operations and functions", "arrays and matrices", "programming in MATLAB" and "text and characters".

27.11.

How to Write a Good Protocol
Dr.-Ing. Mathias Magdowski

Not only for laboratory work, but also for research projects and in technical jobs in general, a correct and clear documentation of experiments and measurements in protocols is crucial. The workshop will show how frequent mistakes of beginners can be avoided. Important rules and suitable software for writing protocols will also be shown.

11.12.

Electric Circuit Simulation With LTspice
Dr.-Ing. Mathias Magdowski

How to use a circuit simulator is something that every electrical engineer should be aware of, even if there is no specific university lecture about this. In this workshop, you will get used to LTspice, a freeware circuit simulator that is small and simple to use, yet very powerful in its applications. We will look at DC circuits, AC analyses and transient simulations in order to quickly investigate different plain and complex circuits.

08.01.