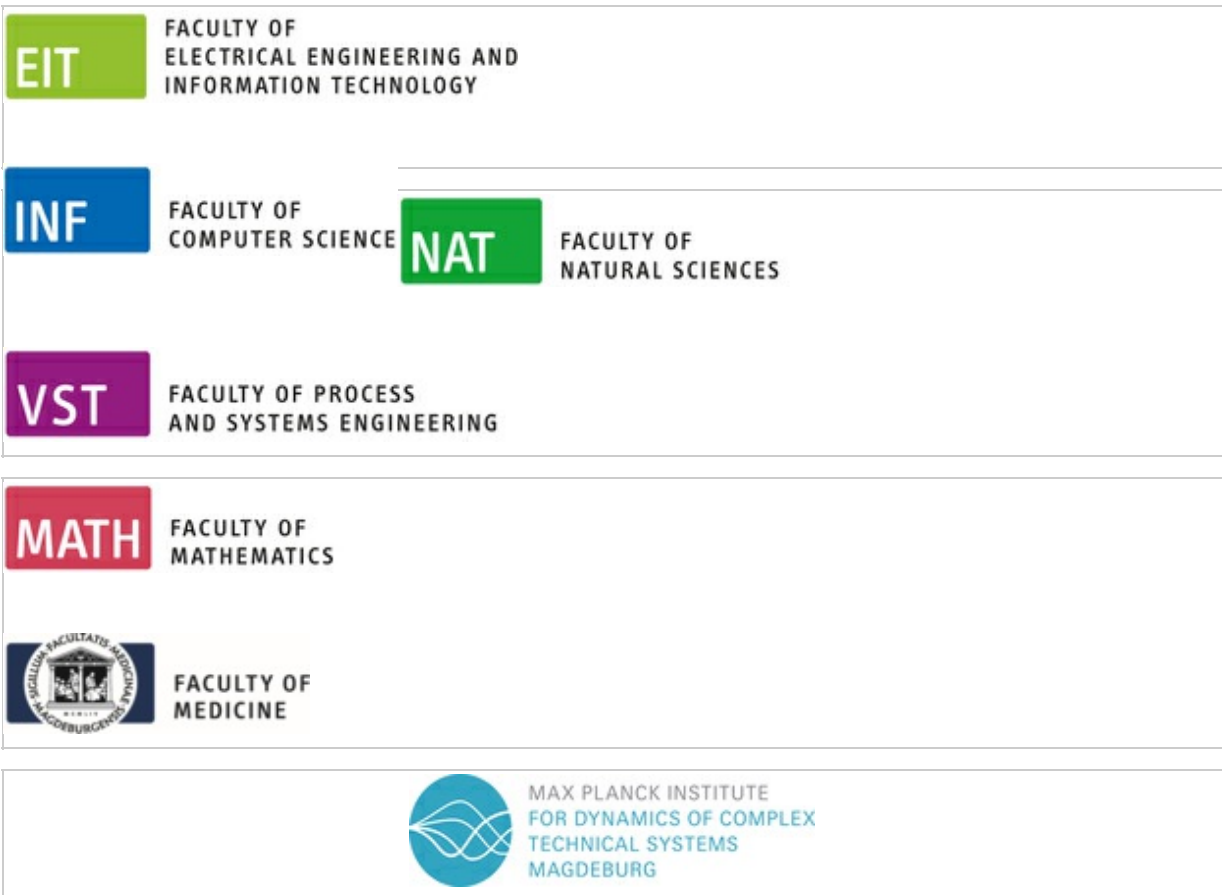


CDS RESEARCH CENTER DYNAMIC SYSTEMS SYSTEMS ENGINEERING

Research Center Dynamic Systems (CDS): Systems Engineering

The **Research Center Dynamic Systems (CDS)** is a central scientific institution at the Otto-von-Guericke-University Magdeburg according to the university law of Saxony-Anhalt. The CDS unites research groups from engineering, systems theory, mathematics, medicine and biology. Scientists from six faculties of the Otto-von-Guericke University and from the Max Planck Institute work together closely and interdisciplinarily in order to achieve the jointly set goals.



The aim of the CDS is to gain a basic understanding of complex dynamic systems in biomedicine, chemical production systems and energy conversion processes. The central dogma is the analysis, targeted manipulation and synthesis of these systems including mathematical modelling as linking subject.

The **SmartProSys** (<https://www.smartprosys.ovgu.de/>) research cluster was developed out of the CDS and is concerned with sustainable production of chemicals.

The CDS is funded by the State of Saxony-Anhalt within the framework of the European Regional Development Fund (ERDF).

CDS Coordination

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News

16.02.2024

94th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM)

02.02.2024

Major research success for Magdeburg as a science location

[› more...](#)

Next events

[› 94th Annual Meeting of the International Association of Applied Mathematics and Mechanics \(GAMM\)](#)

When? March 18 to 22, 2024

Where? Main campus of Otto-von-Guericke-University Magdeburg

Topic? Lectures, mini-symposia and sections with short presentations on the disciplines represented in the GAMM.

[› To the program, registration and abstract submission](#)

Habilitation colloquium of Mr. Dr.-Ing. Sebastian Festag ►

Public Lecture of the GAMM 94th Annual Meeting 2024 ►

[› Public Lecture of the GAMM 94th Annual Meeting 2024](#)

When? March 19, 2024, 7:30 p.m. to 9:00 p.m.

Where? Building 26 - lecture hall 1 and Building 16 - lecture hall 5

Topic? "Vakuum und Luftdruck – Otto von Guericke und die wissenschaftliche Revolution im 17. Jahrhundert"

