

Department of Electrical Engineering

Research groups

Research programs



Electrical Energy Systems (EES)

The mission of the EES group is to contribute to the creation of a sustainable society in electrical energy through research and...

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Electro-Optical Communications (ECO)

We aim to create and shape a sustainable infrastructure in which users and devices can communicate reliably with virtually...

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Electromechanics and Power Electronics (EPE)

The mission of the EPE group is to carry out fundamental research on electromechanics, power electronics and motion systems.



Electronic Systems (ES)

We aim to provide a scientific basis for design trajectories of digital electronic circuits and systems 'from (generalized)...

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Mixed-signal Microelectronics (MsM)

The MSM group carries out fundamental research on RF and mixed-signal IC design applied to front ends, including the AD and DA...

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Signal Processing Systems (SPS)

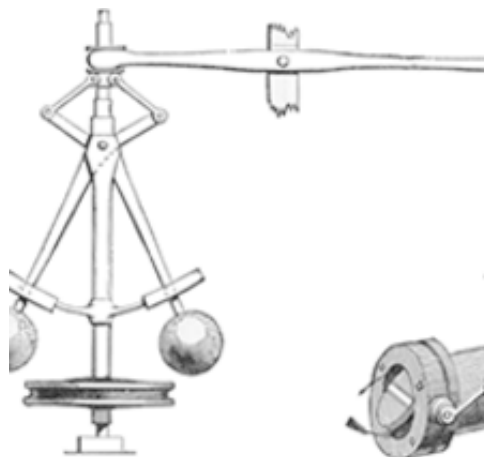
The SPS group carries out fundamental research on signal processing and information theory, and application-oriented signal...

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Control Systems (CS)

The domain of dynamic systems and control provides essential tools for the smart and high-performance operation of technical...

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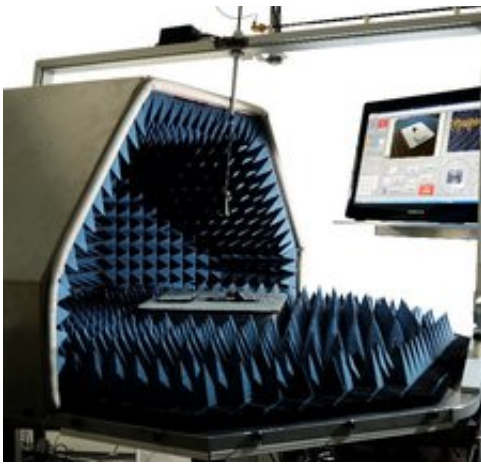


Photonic Integration (PHI)

The 21st century will be the age of photonics. Just as microelectronic integration has shaped our world, so will photonic...

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Electromagnetics (EM)

We research by developing new modeling strategies that enable the analysis, design and synthesis of complicated three-dimensional...

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