



## Certificate of Advanced Studies (CAS)

# Mobility Systems and Software Engineering



»The CAS 'Mobility Systems and Software Engineering' is designed to equip you with the essential skills and knowledge to thrive in today's rapidly evolving technological landscape. Focusing on systems level in the automotive sector, this program will enable you to use methods and tools to shape the future.«

**Program Director Prof. Dr.-Ing. Eric Sax**

Institute for Information Processing Technology, KIT

### THIS TRAINING IS FOR

**Professionals** who want to upgrade their skills, or career changers

**Organizations** that want to equip their employees with the latest knowledge and skills to manage mobility transformation processes

### YOUR BENEFITS

**Systems Perspective** Improve skills through an integrative, systemic understanding

**Quick Wins** Short training units accelerate the integration of knowledge into your organization

**Sustained Success** Acquire skills and methods to drive innovation in the mobility innovation sector

**Mobility Hub** Access to cutting-edge mobility research in Karlsruhe and at the KIT

### KEY FACTS

**Certificate** Certificate of Advanced Studies worth 10 ECTS points

**Language** English

**Admission Requirements** First academic degree (e. g. Bachelor, Master or Diploma) in a relevant subject, at least 1-2 years of work experience, English language proficiency

**Location** HECTOR School | Schlossplatz 19 | 76131 Karlsruhe

**Costs** € 7,000 for the entire CAS program



# Structure of the CAS

## Mobility Systems and Software Engineering

A Certificate of Advanced Studies (CAS) contains 10 ECTS points and consists of eight trainings in three steps.

### Step 1

Four Days

**Fundamentals of Systems Engineering**

**Case Study: Systems Engineering**

### Step 2

Five Days

**Sustainable Engineering**

**Control Systems Development**

**Modeling and Simulation**

### Step 3

Five Days

**Electronic Systems Synthesis**

**Case Study: Model Based System Engineering**

**Software Engineering**



**Your contact for further questions:**

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Mobility-Systems-and-Software-Engineering.php](http://www.hectorschool.kit.edu/Mobility-Systems-and-Software-Engineering.php)

These specially selected trainings are designed to provide a basic understanding of systems and software engineering.

All indications are subject to change.

**HECTOR SCHOOL**  
ACADEMY OF FURTHER EDUCATION