UpGrade Mobility

Overview

- Graduate school of the KIT Mobility Systems Center
- Start in autumn 2021
- Offers (supra-)disciplinary qualification courses and interdisciplinary Networking
- Aim is the investigation on our vision of Seamless Mobility

*Seamless Mobility: seamlessly coordinated mobility chain of all mobility providers (public, private and commercial). The realization of Seamless mobility requires real-time linked mobility offers and autonomous mobility concepts.
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Profile

- **Vision:** Seamless Mobility

- **Approach:** See mobility as a socio-techno-logical System of Systems (SoS)

- **Interdisciplinary** graduate school containing all research topics of the KIT Mobility Systems Center

- **Aim:** Provide doctoral researchers a systemic view of mobility, spanning their subject-specific domains as well as tools for describing and designing SoS
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Strategic relevance

- More intensive cooperation with renowned scientific and public institutions, companies in the vehicle and mobility industry and relevant KIT institutes

- Improving the national and international visibility

- Increasing the attractiveness for highly qualified doctoral candidates

- Supra- and inter-disciplinary qualification of candidates

Source: http://www.unsplash.com
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Structure
**Organization**

- **Scientific speaker:** Prof. Dr. rer. nat. Frank Gauterin
- **Managing director:** Florian Wittemann
- **Representors of doctoral researchers:** Election in end 2021
- **Topic speakers of the KIT Mobility Systems Center**
- **Supervisor team:** Promotion referents (and Co-referents)
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**Qualification offers**

**Professional qualification:**
- Seminars on research area of the topics
- Working in an interdisciplinary Team
- Further offers: Summer / winter schools, stay abroad, self-organized seminars, Workshops, etc.

**Supra-disciplinary qualification:**
- Scientific working / writing / …
- Social responsibility of engineers
- Management
- Career options, Start-up, etc.

**Networking:**
- Promotion teams
- Mobility Think Tanks
- Exchange with scientists, industry and politics

**Internationalization:**
- International research stays and exchange programs
- Using Aspirant Grant (KHYS)
- Advice on international offers and PhD programs
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Planed professional qualifications in detail

- Seminars on research area of the topics
- Seminars of external and industry referents
- Sommer school
- Mobility Think Tanks
- Guided institute tours
- Creative workshops of interdisciplinary teams of doctoral researchers
- Participation on the E-Mobility Online-colloquium of the Innovation Campus Mobility
- Working in an interdisciplinary team
Planed supra-disciplinary qualifications in detail

- Qualification courses organized by the school
  - Scientific working
  - Supervising graduate theses
  - Time and self management
  - Scientific writing and publishing
  - Acquisition training
  - Different seminars about options in science and industry
  - Career management

- Non-standard qualification courses organized by the school
  - Social significance and responsibility of engineers / research
  - Job-interview training
  - Realizing a patent
  - Research in other cultures
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Supervising

**Interdisciplinary and interinstitutional** supervisor team:
- Supervising Professor
- Co-referent
- Scientific leaders

**Regular** (at least quarterly) **meetings** between the supervisory team and doctoral researchers:
- Coordination of progress and quality
- Advice on methodology, content, structuring and time planning
- Advice on publication possibilities
- Advice on offers from the Graduate School such as qualification opportunities, exchange programs, career preparation, etc.
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Quality assurance

**Passive** quality assurance:
- Intensive application process with diverse admission and selection criteria
  → as a result, low number of participants
- Further training opportunities for supervisors

**Active** quality assurance:
- Evaluation system with intermediate evaluation and final evaluation
- Continuous Improvement:
  - Evaluation of all events and offers by the participants
  - Evaluation and identification of improvement potential
- Annual assessment of goals, content, methods and organization by doctoral candidates and the supervisory team using online questionnaires
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For the application

- Promotion at the KIT with focus on mobility
- Promotion start (acceptance at the faculty) not longer than 12 months apart
- Letters of recommendation of the promotion referents
- Participation of the promotion referents in the supervisor team
- Complete Application
  (Motivation, curriculum vitae, certifications (BA & MA), Letter of recommendation from the promotion referents, optional documents)
Contact

Contact for application or questions:

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