

**Universität Stuttgart**  
Institute of Space Systems



# Space Robotics & Planetary Exploration Rover Systems

Department of Satellite Technology

Prof. Dr.-Ing.  
Sabine Klinkner

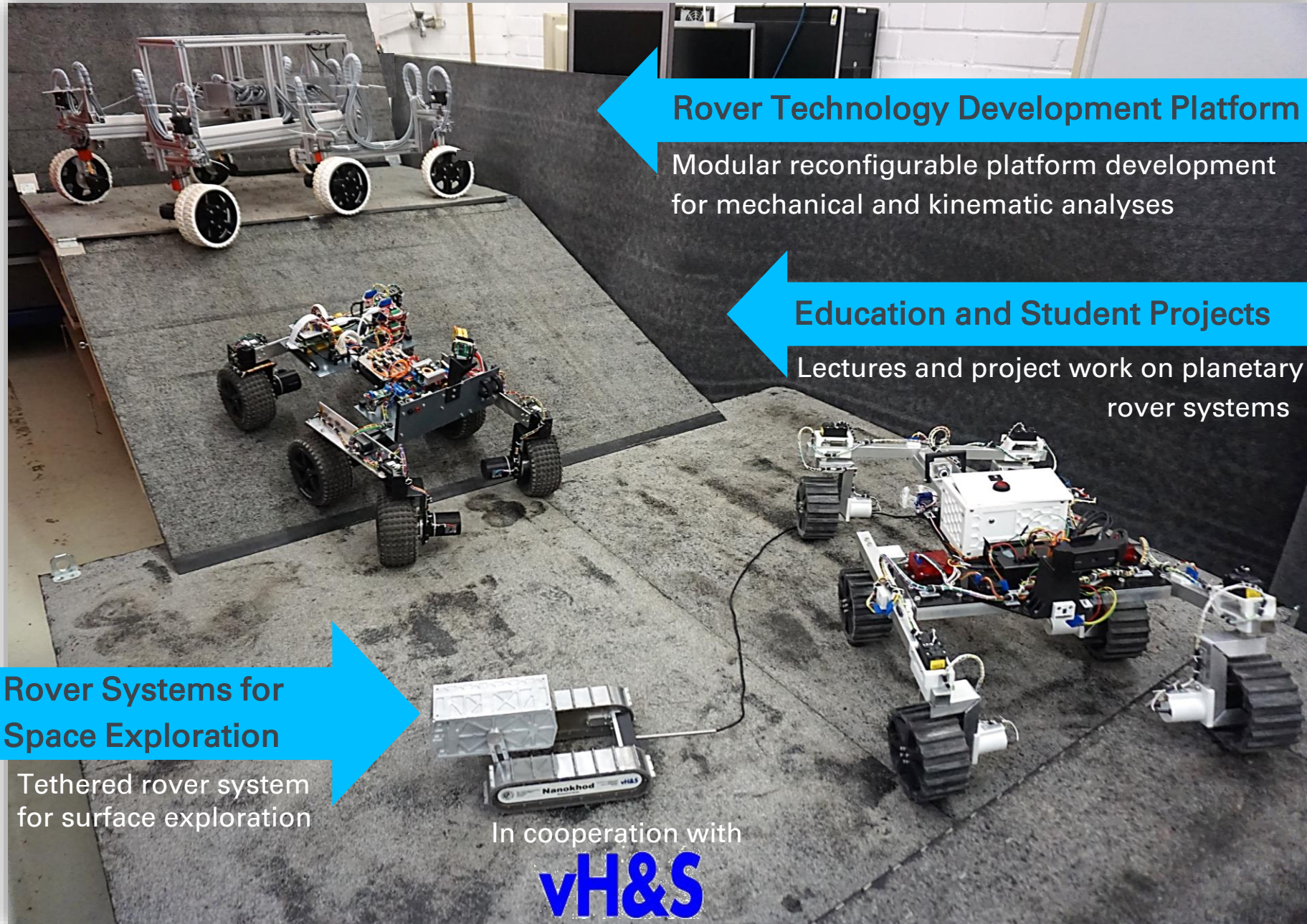
Moritz Nitz



Abbildungen  
des Micro-Rovers  
NANO-KHOD  
mit freundlicher  
Genehmigung von:  
von Hoerner & Sulger GmbH



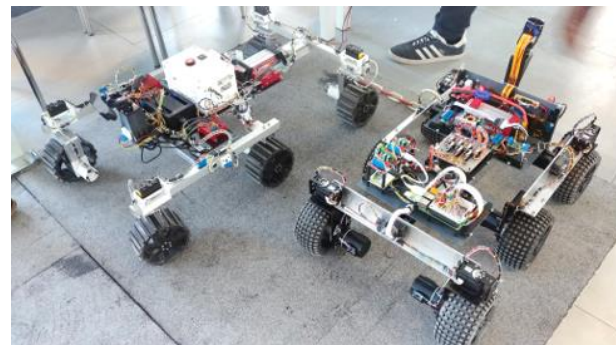
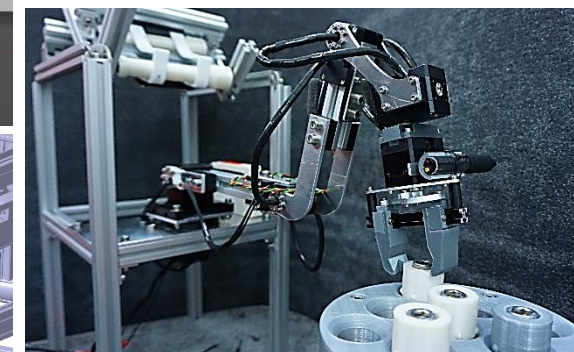
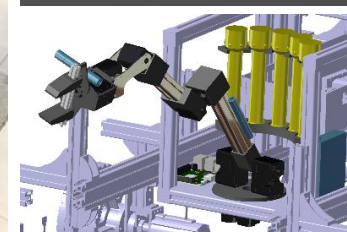
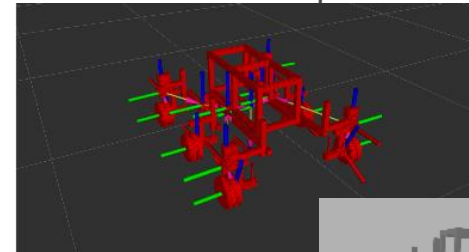
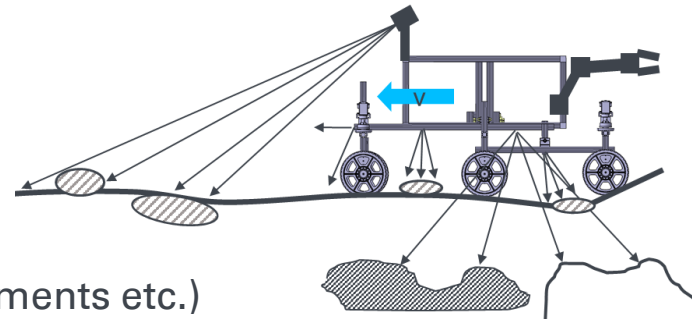
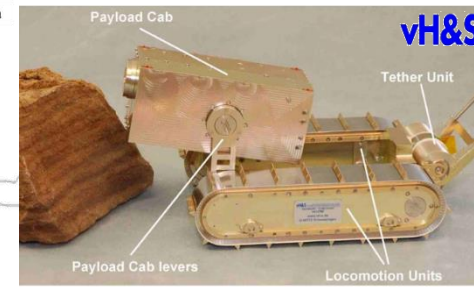
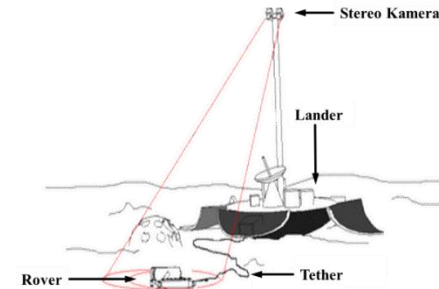
# Fields of Research on Exploration Rover Systems at IRS





# Robotic exploration systems

- Nanokhod Microrover
  - Developed by von Hoerner & Sulger GmbH
  - Formerly part the ESA BepiColombo-Mission
  - Development for a future Lunar surface mission
- Modular Rover Chassis Platform (MRCP)
  - Reconfigurable rover for performance analyses
  - Technology development platform (robotic arms, camera mast, sensory components, scientific instruments etc.)
  - Simulation environment development
- Student projects and robotic system developments
- Test track environment



# Contact

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