



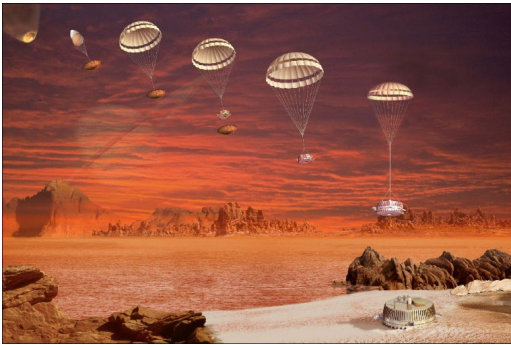
**Prof. Dr. Schilling** was in space industry head of “Mission and System Analyses” and had responsibility for system studies on Earth observation, telecommunication and interplanetary satellites (such as HUYGENS to the Saturnian moon Titan and ROSETTA for exploration of comets), before he was appointed professor and chair for Robotics and Telematics at University Würzburg 2003-2022. In parallel, he was president of the research company „Center for Telematics (ZfT)“ since 2007.

He and his team built the first German pico-satellite UWE-1, launched 2005, to optimize parameters for Internet in Space. He published more than 400 papers and received several awards, including the Walter-Reis-Award for Innovations in Robotic 2008 (for research in mobile robotics) and 2012 (for medical robotics), as well as from the European Research Council (ERC) an “Advanced Grant” 2012 for research on control of networked distributed satellite systems and a “Synergy Grant” 2018 for “CloudCT” to improve climate models by computed tomography observations with a formation of small satellites. He is full member of the International Academy of Astronautics and was Consulting Professor at Stanford University 2002-2006. 2021 he was honored by German Aerospace Society with the Eugen-Sänger-Medal for his work on Pico-Satellites.

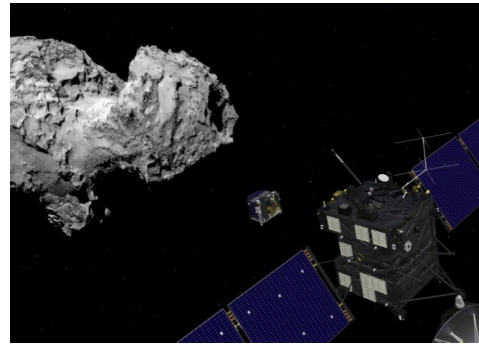
In space education he introduced international MSc programs like “SpaceMaster – Master in Space Science and Technology” in the European Elite framework ERASMUS Mundus emphasizing cooperation with 5 European Universities and the Bavarian Elite Network the curriculum “Satellite Technology”, where space agencies, research institutes, and companies cooperate to provide to students hands-on introduction to spacecraft systems engineering and to important application fields in Earth observation and telecommunications.

In international professional societies he served in IEEE as chair of „TC on Networked Robotics“ and in IFAC (International Federation on Automatic Control) as Coordinating Chair for the area “Computers & Control”, after having been TC chair for „Telematics: Control via Communication Networks“ and for “Aerospace”.

His main research activities contributing to successful space missions:



HUYGENS landed 2005 on largest Saturnian Moon Titan



ROSETTA delivering 2014 the landing probe PHILAE to comet 67 P Churyumov-Gerasimenko



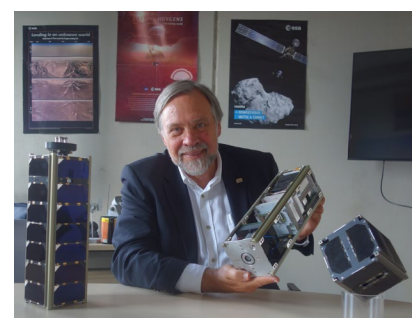
First German pico-satellite UWE-1, launched 2005



The 4 NetSat Nanosatellites, launched September 2020, to realize formation flight in 3D



CloudCT to used computed tomography to characterize clouds for improved climate predictions



Klaus Schilling and the different space missions he realized in his professional life