

**Dr. Markus Werner****Partner and Managing Director**

Dr. Markus Werner is one of the founders of TriaGnoSys and has been managing director since 2002. Markus is responsible for TriaGnoSys' research activities and quality management.

Markus worked at the German Aerospace Center, DLR, from 1991, where he gained experience in satellite networking. He held positions as a scientist, a project manager and a group leader. His project experience includes several national and ESA studies and various projects in the framework of European ACTS and IST research programmes. He was also the national delegate to the COST Actions 227, 252, and 272. In 2004 and 2005, he was project coordinator of the European Network of Excellence in Satellite Communications (SatNEx). Markus lectures on satellite communications at several Universities.

Markus received a Dipl.-Ing. degree from Darmstadt Technical University, Darmstadt, Germany, in 1991, and a Ph.D. degree from Munich Technical University, Munich, Germany, in 2002, both in electrical engineering.

Markus received the Best Paper Award of ITG conference "Mobile Communications" in 1993. He has co-authored more than 120 publications, including two scientific textbooks and numerous scientific journal papers.

**Areas of Expertise:**

- Satellite system design and traffic engineering
- Multi-traffic forecast, modeling, business case analysis
- Capacity dimensioning in telecom networks
- Future air traffic control systems
- Applications for Galileo navigation systems

**Speaking Topics:****Satellite communications**

- The future air traffic control systems and navigation
- Business case modeling for new satellite communication networks
- Traffic forecast strategies and uncertainties
- New communication services and protocols

**Business management**

- Quality management for SME companies in space and aerospace
- Research strategies for SMEs