

Advanced Systems and Techniques: Transponders, Altimeters, and Time Transfer Summary

Chairs: John Degnan and Ulrich Schreiber

In the session on Advanced Systems and Techniques: Transponders, Altimeters, and Time Transfer, Altimeters, papers were presented on the development of simulators for planetary exploration and present and future airborne photonic 3D-imaging. Transponder topics included transponder simulations using artificial satellites preliminary hardware designs to demonstrate the feasibility of Mars links. Papers were given on time transfer including first data from T2L2 and some preliminary results from the Chinese LTT experiment and a discussion on One-Way System Calibration Techniques. Other talks included an update on the Russian SLR program including the release of some of the data, a paper on ranging to uncooperative targets in China, and SLR engineering activities at Riga including new developments in their epoch timer work.