Geophysical Research Abstracts
Vol. 21, EGU2019-17083, 2019
EGU General Assembly 2019

Space Technology and Instrumentation for the Second Half of the Twenty First Century

Manuel Grande

Aberystwyth University, Institute of Mathematical and Physical Sciences, Aberystwyth, Ceredigion, United Kingdom (mng@aber.ac.uk)

The possibilities and priorities for planetary missions, observations and exploration are evolving rapidly, driven by new discoveries and new technologies for instrumentation and analysis. There are sometimes conflicting philosophies concerning finance, size and exploitation, as well as changing and newly emerging science goals, which will shape the field in ways which are hard to predict. Nevertheless, I will draw on the recent Horizon 2061, NASA Vision 2050 and Instrumentation for Planetary Science meetings to present a personal view of what the major trends are likely to be, and how we should prepare, in order to maximize our planetary science return.