



Contribution ID: 6

Type: **not specified**

SCIENTIFIC & TECHNOLOGICAL CHALLENGES OF SOLAR SYSTEM EXPLORATION OVER THE NEXT 30 YEARS

Monday 13 May 2019 18:30 (2 hours)

Professors Linli GUO and Michel BLANC will combine their complementary high expertise on the technological and on the Scientific aspects of the Space conquest. The latest successes in this domain, including the exploration of the Dark side of the Moon, over these very last years are further and notably increasing the interest in this fundamental research field.

Prof. Linli GUO, will present the objectives in engineering and technology for the installation of manned scientific bases on the Moon serving as a new first stage for the Space exploration. She will describe the technological challenges to achieve the design of the robotic tools, the buildings, Labs and facilities and the plans for constructing them.

Prof. Michel Blanc, Planetary Scientist, Space Plasma Physicist, will present the scientific challenges and goals to explore the solar system, over these next decades, thanks to the impressive technological progress.

Linli Guo is Professor at China Academy of Space Technology, CAST, DFH Satellite CO., Ltd, and Vice Chief Engineer, Science and Technology Satellite System Engineering Department.

Michel Blanc is an Astronomer at the Institut of Research in Astrophysics and Planetology (IRAP), Observatory Midi-Pyrénées (OMP), University Paul Sabatier at Toulouse in France. He is also Academic affiliate, Climate and Space Department, University of Michigan, Ann Arbor, USA, and Visiting Professor, State Key Laboratory of Space Weather, NSSC, Chinese Academy of Sciences, Beijing.

Presenters: Prof. GUO, Linli (DFH satellites CO.Ltd, China Academy of Space Technology (CAST)); Prof. BLANC, Michel (IRAP/CNRS, FR & NSSC (CAS), CN)

Session Classification: EVENING KEYNOTE