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PPS007-04 Room: 301A Time: May 26 14:30-14:45

Coevolution of Surface Environments of Planets and Life

Kensei Kobayashi^{1*}, Kiyoshi Kuramoto², Eiji Ohtani³

¹Yokohama National University, ²Hokkaido University, ³Tohoku University

There is a need for researchers communities to have a system to design and go ahead with planetary exploration missions after continuous discussion on ideas, technologies and prospects on possible planetary missions. As a first step for it, we will discuss scientific objectives and foresights of lunar and planetary surface exploration missions, in the light of the past life explorations and the trends of astrobiology and geobiosciences. The discussion will include not only significance of individual target bodies, but also integrated understanding of the origin and evolution of the Earth and the solar system including biospheres.

Keywords: Planetary exploration, surface environments, origin and evolution of life, terrestrial planet, astrobiology