Oral | Symbol M (Multidisciplinary and Interdisciplinary) | M-GI General Geosciences, Information Geosciences & Simulations

[M-GI22]Development of computational sciences on planetary formation, evolution and surface environment

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Tue. May 24, 2016 9:00 AM - 10:30 AM A07 (APA HOTEL&RESORT TOKYO BAY MAKUHARI)

Computer simulations have been recognized as one of the fundamental tools in understanding planetary formation, evolution and diversity of surface environment.

However, is may be notified that the continuous development of computational abilities in recent years does not seem to be well utilized in improving numerical simulations in those fields; computational efficiency has been improved by 6 orders of magnitude compared from the early 90's, many of our simulations do not seem to catch up qualitatively and quantitatively such improvement.

We propose here in this session to ask those who are interested in computational sciences of various fields not only of planetary formation and evolution but also of earth and planetary sciences in general to join. The aim is to discuss various scientific and technical aspects of our numerical simulations to improve our skills to fully utilize those development of computational resources that is realized or will be realized in near future as "K" to "post-K".

10:15 AM - 10:30 AM

[Discussion]Discussion