

## CURRICULUM VITAE

Name: Yoshifumi Saito

Date of Birth: 20 March 1967

Education:

B. Sci. Kyoto University 1989

Ms. Sci. Kyoto University 1991

(Degree of Doctor, Science: University of Tokyo 1995)

Professional Career:

Research Associate, ISAS: 1992-1997

Associate Professor, ISAS: 1997-

Societies:

The Society of Geomagnetism and Earth, Planetary and Space Sciences

The Japanese Society of Planetary Sciences

American Geophysical Union

Asia Oceania Geophysical Society

### <Research Activities>

My research activities have been related to rocket and satellite experiments for study of space plasmas in the ionosphere and magnetosphere. I have been participated in developments of the space-borne instruments for hot plasma and low-energy particle measurements. Based on the obtained data by the rocket and satellite experiments I have studied elementary processes for transport and acceleration of charged particles in the space plasmas and the global electrodynamics of the magnetospheric plasmas. Following is a list of the rocket and satellite experiment in which I participate(d).

#### a) Rocket experiments

S-520-12: Co-I of LEP (Low Energy Particle experiment)

SS520-1 : PI of ENA (Energetic Neutral Atoms experiment)

SS520-2 : PI of LEP (Low Energy Particle experiment)

#### b) Satellite experiments

GEOTAIL: Magnetotail plasmas, magnetosheath, and solar wind

Co-I of LEP (Low Energy Particle experiment)

PLANET-B: Structure and dynamics of the Martian upper atmosphere

Co-I of PSA (Plasma Spectrum Analyzer)

SELENE: Interaction between solar wind and Lunar surface, Lunar Atmosphere

PI of PACE (Plasma energy Angle and Composition Experiment)

BepiColombo/MMO: Mercury Plasma/Particle environment

PI of MPPE (Mercury Plasma Particle Experiment)