

## ISSI-BJ Forum on The link between Solar wind, Magnetosphere, Ionosphere

**6 July, 2016**

### **Introduction**

**Chair: Chi Wang**

09:00-09:10	Welcome and Introduction to ISSI-BJ	Maurizio Falanga
09:10-09:20	Goals of the Forum and its interdisciplinary view	Chi Wang
09:20-09:30	Introduction to China Space Science Program	Ji Wu
09:30-09:40	Introduction to the ESA-CAS program	Philippe Escoubet

### **Session I Overview to the Solar Wind Mag. And Ionosphere Coupling**

**Chair: Philippe Escoubet**

09:40-10:10	What do we know & What we are missing?	David Sibeck
10:10-10:40	What have we learnt from previous imaging missions?	Xiaoxin Zhang
10:40-11:10	<i>Coffee break</i>	
11:10-11:40	Introduction to SMILE	Graziella Branduardi-Raymont / Chi Wang
11:40-12:30	Free Discussion	
12:30-14:00	<i>Lunch</i>	

### **Session II Key science of the Solar wind, Magnetosphere, Ionosphere Coupling**

**Chair: David Sibeck**

14:00-14:30	Magnetic reconnections in the magnetosphere	Zuyin Pu
14:30-15:00	Aurora and substorms	Tony Lui
15:00-15:30	Cusp dynamics	Brian Walsh
15:30-16:00	<i>Coffee break and group photo</i>	
16:00-16:30	Overview of Japanese X-ray imaging satellite program GEO-X	Yoshi Miyoshi
16:30-17:00	Modeling the solar wind-magnetosphere-ionosphere coupling system	Chi Wang / Tianran Sun
17:00-17:30	Free Discussion	
18:00	<i>Dinner hosted by ISSI-BJ</i>	

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**Session III: Instruments and capability required**

**Chair: Graziella B-R**

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09:00-09:20	SMILE mission analysis	Jianhua Zheng
09:20-09:40	Orbit, viewing and related issues	Andrew Read
09:40-10:00	SMILE Soft X-ray Imager (SXI)	Steve Sembay
10:00-10:20	SMILE UV Imager (UVI)	Eric Donovan
10:20-10:50	<i>Coffee break</i>	
10:50-11:10	SMILE Light Ion Analyser (LIA)	Lei Dai / Dhiren Kataria
11:10-11:30	SMILE fluxgate magnetometer (MAG)	Lei Li
11:30-12:30	Free Discussion	
12:30-14:00	<i>Lunch</i>	

**Session IV: Synergies Complementary missions and International Collaborations**

**Chair: Malcolm Dunlop**

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14:00-14:20	Auroral observations onboard Chinese Weather Satellites	Xiaoxin Zhang
14:20-14:40	Chinese Polar Observatory	Huigen Yang
14:40-15:00	DXL/STORM rocket flight and the Cubesat mission CuPID	Brian Walsh
15:00-15:40	<i>Coffee Break</i>	

**Session V: Discussion**

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15:40-16:40	Discussion: - Key science goals of SMILE - Data policy - Outreach	David Sibeck
16:40-17:10	Future work plan: - Outline, structure, publication of the forum report - Action items - Summary of the Forum	Graziella Branduardi-Raymont / Chi Wang Maurizio Falanga
18:00	<i>Dinner hosted by SMILE</i>	

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