

CROSS-SCALE MEASUREMENTS OF SPACE PLASMAS  
TO EXPLORE MAGNETIC RECONNECTION

Thursday, September 5

<b>Introduction</b>		<b>Chair: C. Wang</b>
09:00–09:10	Welcome and Introduction to ISSI-BJ	Maurizio Falanga
09:10–09:20	Introduction to the CAS Space Science Program	Chi Wang
09:20–09:30	A brief introduction of the Forum and its Goals	Lei Dai
<b>Session I</b>		<b>Chair: M. Falanga</b>
<b>Overviews of reconnection and constellation missions</b>		
09:30–10:00	General review on Reconnection: Concept and Theory	Vytenis Vasyliunas
10:00–10:30	Magnetic Reconnection in solar-terrestrial connection	Walter Gonzalez
10:30–10:50	<i>Group photo and coffee break</i>	
10:50–11:20	<a href="#">The Cross-Scale mission proposal</a>	Philippe Escoubet
11:20–11:40	SAME (Self-Adaptive Magnetic reconnection Explorer) mission	Lei Dai
11:40–12:00	Free Discussion	
12:00–13:30	<i>Lunch</i>	
<b>Session II</b>		<b>Chair: W. Gonzalez</b>
<b>Overviews of Constellation missions</b>		
13:30–13:50	<a href="#">Cluster-MMS mission conjunctions</a>	Philippe Escoubet
13:50–14:10	MagCon constellation mission	Larry Kepko
14:10–14:30	PROSPERO and constellation mission	Alessandro Retino
14:30–15:00	Free Discussion	
15:00–15:20	<i>Coffee break</i>	
<b>Session III</b>		<b>Chair: V. Vasyliunas</b>
<b>Cross-scale Science of Reconnection</b>		
15:20–15:40	Multiple-scale science of reconnection	Michael Hesse
15:40–16:00	Multi-scale science of reconnection with focus on open questions	Tai Phan
16:00–16:20	The cross-scale observations for understanding the role of reconnection in energy conversion and flux transport	Andrei Runov
16:20–16:40	Free discussion	

16:40–17:00      Need for cross-scale measurements of reconnection and shocks      Yuri Khotyaintsev

17:00-17:20      Multiple-scale science of reconnection      Quanming Lu

18:00      *Dinner offered by ISSI-BJ*

**Friday, September 6**

**Session III      Cross-scale science in reconnection      Chair: M. Dunlop**

08:30–08:50      Reconnection and turbulence: what would bring multiscale aspects?      Alessandro Retino

08:50–09:10      Electron acceleration in reconnection: what would bring multiscale aspects?      Huishan Fu

09:10–09:30      Reconnection and waves with multi-spacecraft observations      Daniel Graham

09:30–09:50      Diagnosis methods of waves and turbulence associated with magnetic reconnection based on multiple-spacecraft constellation      Jiansen He

09:50–10:00      Free Discussion

10:00–10:30      *Coffee Break*

**Session IV      Cross-scale Science in Reconnection and solar-terrestrial connection      Chair: A. Retino**

10:30–10:50      Inner magnetosphere with focus on MI-coupling      Malcolm Dunlop

10:50-11:10      Multi-scale process of magnetotail reconnection and limitations of Cluster/MMS 4 point measurement      Rumi Nakamura

11:10-11:30      FTE and K-H waves: what would bring multiscale aspects?      J. Hwang

11:30-11:50      Sub-ion scale current sheets in magnetosphere      Meng Zhou

11:50–12:00      Free Discussion

12:00-13:30      *Lunch*

**Session V      Discussion      Chair: P. Escoubet**

13:30-13:50      Thin Current sheet in Space Plasma      Lev Zeleny

13:50-15:00      Analysis and discussion of the SAME mission profile      Zhiming Cai

15:00-15:20 Multiple-scale perspective of reconnection (*Skype presentation*) Giovanni Lapenta

15:20-16:00 *Coffee Break (40 min)*

16:00-16:30 Continued discussion on SAME profile

- Key science goals of SAME
- Design & instruments (Talks from SIM-CAS on SC design and mission profile)
- Observation strategy

*Coffee Break (30 min)*

- International collaboration

16:30-17:00 Forum report: outline, structure, publication Maurizio Falanga, Lei Dai

17:00-17:15 Summary of the Forum

18:00 *Dinner offered by project team*

*Note: The time interval includes 5 minutes discussion*