

**ISSI International Research 1<sup>st</sup> Meeting (Jan. 19 – Jan 22, 2009)**  
**Solar small-scale transient phenomena and their role in coronal heating**

**January 19**

**Morning**

<b>Time</b>	
09:00 – 09:20	Introduction to ISSI (V. Manno)
09:20 – 09:45	Opening remarks (G. Tsiropoula – M. Madjarska) Outline of the objectives Outline of the meeting agenda
	<b>Mottles and Spicules (Chair: G. Tsiropoula)</b>
09:45 – 10:30	Chromospheric fine scale structures – Relation to the photosphere (Rutten)
10:30 – 11:00	<i>Coffee break</i>
11:00 – 11:45	What can H $\alpha$ tell us about chromospheric structures? (Tsiropoula – Leenaarts)
11:45 – 12:30	Mottles in chromospheric lines (Tziotziou)
12:30 – 14:00	<i>Lunch break</i>

**Afternoon**

<b>Time</b>	<b>Mottles and Spicules (Chair: R. Rutten)</b>
14:00 – 14:45	Oscillations and waves in the solar atmosphere (Hansteen)
14:45 – 15:30	Evolution and kinematics of mottles – spicules. Pro and after Hinode (Suematsu)
15:30 – 16:00	<i>Coffee break</i>
16:00 – 16:45	Mottles and spicules (De Pontieu)
16:45 – 17 :30	Observations of vortices at supergranular cell junctions preceding quiet Sun mini-filament eruptions (Innes)

**January 20**

**Morning**

<b>Time</b>	<b>Transition Region small-scale events (Chair: M. Madjarska)</b>
09:00 – 09:45	Chromospheric – TR coupling (McIntosh)
09:45 – 10:30	Explosive events (Madjarska)
10:30 – 11:00	<i>Coffee break</i>
11:00 – 11:45	Blinkers (Bewsher - Subramanian)
11:45 – 12:30	Solar Transient Features: Derivation of physical parameters from EUV lines. How accurate are our atomic physics assumptions? (Doyle)
12:30 – 14:00	<i>Lunch break</i>

**Afternoon**

<b>Time</b>	<b>Transition Region small-scale events (Chair: G.Doyle)</b>
14:00 – 14:15	EUV spicules (Tsiropoula)
14:15 – 15:00	Magnetic Reconnection (Galsgaard - Meyer)
15:00 – 15:30	<i>Coffee break</i>
15:30 – 16:45	Importance of kinetic effects in small-scale, highly dynamic heating events (Bradshaw)

16:45 – 17:30	Interrelationship between the different types of structures (Madjarska)
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## January 21

### Morning

Time	Theory and Simulations (Chair: Y. Suematsu)
09:00 – 09:45	Numerical modelling of spicules (Hansteen)
09:45 – 10:30	Numerical modelling of explosive events (Innes)
10:30 – 11:00	<i>Coffee break</i>
11:00 – 11:45	Coronal heating models (Galsgaard)
	<b>Heating of the solar corona due to small scale events (Chair:V. Hansteen)</b>
11:45 – 12:30	Heating due to spicules - magn. recon (Tsiropoula – Tziotziou)
12:30 – 14:00	<i>Lunch break</i>

### Afternoon

Time	Heating of the solar corona due to small scale events (Chair:V. Hansteen)
14:00 – 14:45	Heating due to spicules - waves (De Pontieu)
14:45 – 15:30	Can explosive events heat the solar corona? (Madjarska)
15:30 – 16:00	<i>Coffee Break</i>
16:00 – 17:30	Reports

## January 22

9:00 – 10:00	Short contributions on the existing instruments for observations from the ground and space Discussion on possible plan for observing programmes
10:00 – 11:00	Discussion on the needs of the numerical codes
11:00 – 11:30	<i>Coffee break</i>
<b>11:30 – ...</b>	<ul style="list-style-type: none"> <li>• <b>Disussion about writing topical / review papers</b></li> <li>• <b>Difinition of research topics for graduate students</b></li> <li>• <b>Workplan for the continuation of the project</b></li> </ul>