

Workshop on Oscillatory Processes in Solar and Stellar Coronae

14-18 October 2019

MONDAY, October 14, 2019

<i>Session 1a</i>		<i>Chair: V. Nakariakov</i>
8:30-9:00	<i>Registration</i>	
9:00-9:15	Welcome and introduction to ISSI-BJ and workshops	Xiaolong Dong
9:15-9:30	Welcome; Introduction to the Activity Plan; Structure of the TI/Monograph	Valery Nakariakov
09:30-10:00	Vision of Chapter 2: "Kink oscillations and waves in the corona"	Valery Nakariakov
10:00-10:30	Vision of Chapter 1: "Novel techniques in coronal seismology data analysis"	Sergey Anfinogentov
10:30-11:00	<i>Coffee Break</i>	
<i>Session 1b</i>		<i>Chair: L. Ofman</i>
11:00-11:30	Vision of Chapter 3: "Slow waves in coronal loops"	Tongjiang Wang
11:30-12:00	Vision of Chapter 4: "MHD waves in open coronal structures"	Dipankar Banerjee
12:00-12:30	Vision of Chapter 5: "Quasi-periodic pulsations in solar and stellar flares"	Ivan Zimovets
12:30-14:00	<i>Lunch</i>	
<i>Session 1c</i>		<i>Chair: P. Antolin</i>
14:00-14:30	Vision of Chapter 6: "Sausage oscillations and waves in the corona"	Bo Li
14:30-15:00	Vision of Chapter 7: "Coronal heating by MHD waves"	Tom Van Doorselaere
15:00-15:30	<i>Coffee Break</i>	
<i>Session 1d</i>		<i>Chair: H. Tian</i>
15:30-15:50	High-resolution Diagnostic Techniques for the Solar Corona	David Pascoe
15:50-16:10	Properties of sausage and kink modes in the solar corona	Soheil Vasheghani Farahani
16:10-16:30	MHD waves in coronal arcades: some theoretical aspects	Rekha Jain
16:30-17:30	Open Discussion	

TUESDAY, October 15, 2019

<i>Session 2a</i>		<i>Chair: D. Pascoe</i>
09:00-09:20	Spectroscopic observations of decayless kink oscillations in coronal loops and sausage oscillations in flare loops	Hui Tian
09:20-09:40	Amplitudes and energy fluxes of simulated decayless kink oscillations	Tom Van Doorselaere
09:40-10:00	Doppler shift oscillations at flaring loops observed by IRIS	Dong Li
10:00-10:20	Oscillations of Tornado observed by SDO/AIA	Yuzong Zhang
10:20-11:10	<i>Coffee Break</i>	
<i>Session 2b</i>		<i>Chair: A. Srivastava</i>
11:10-11:30	Determining the structure of the solar corona from cometary tails	Giuseppe Nistico
11:30-11:50	Effect of the thermodynamical activity of the coronal plasma on the dynamics of MHD waves	Dmitrii Kolotkov
11:50-12:10	The damping of propagating slow waves in coronal loops	Sayamanthula Krishna Prasad

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12:10-12:30	Modeling Flare-Associated Waves in Coronal Active Regions	Leon Ofman
12:30-14:00	<i>Lunch</i>	
	Session 2c	Chair: D. Yuan
14:00-14:20	Observational Studies of Low Frequency Coronal Waves	Yuandeng Shen
14:20-14:40	Excitation of MHD waves by plasmoid ejection in solar corona reconnection	Liping Yang
14:40-15:00	Forward modeling of transverse MHD waves in coronal holes	Vaibhav Pant
15:00-15:20	Probing temperature structure of coronal fans by propagating slow MHD waves	Sergey Anfinogentov
15:20-15:40	High resolution observations of Sunspot Oscillation with BBSO/GST	Jiangtao Su
15:40-16:10	<i>Coffee Break</i>	
	Session 2d	Chair: Z. Ning
16:10-16:30	Modelling Quasi-Periodic Pulsations in Solar and Stellar Flares	James McLaughlin
16:30-16:50	Modulation of radio emission mechanisms by MHD waves	Alexey Kuznetsov
16:50-17:10	Problems and challenges of studying the non-stationary properties of QPPs	Elena Kupriyanova
17:10-17:30	Forward modeling of a simulated flux rope ejection	Xiaozhou Zhao
18:30	<i>ISSI-BJ Welcome Dinner</i>	

WEDNESDAY, October 16, 2019

	Session 3a	Chair: D. Li
9:00-9:20	The AFINO approach to finding oscillations in solar and stellar flares: latest results and updates	Andrew Inglis
9:20-9:40	Comparison of Damped Oscillations in Solar and Stellar X-Ray flares	Il-Hyun Cho
9:40-10:00	X-ray flare periodic pulsations from sloshing wavefronts along star-disk magnetic tubes in the Orion star-forming region	Fabio Reale
10:00-10:20	Spatial extent of a QPP during a M-class flare	Ding Yuan
10:20-10:50	<i>Coffee Break</i>	
	Session 3b	Chair: F. Reale
10:50-11:10	Radio QPPs Occurred in Precursor Phase of Solar Flares	Baolin Tan
11:10-11:30	MUSER Observations associated with Coronal Oscillations in Flare Events	Yihua Yan
11:30-11:50	Quasi-periodic Pulsations before and during a Solar Flare in AR 12242	Xingyao Chen
11:50-12:10	Intermittent Sequence of Decimetric type U solar radio bursts and EUV Jet Phenomena on 2011 February 9	Guannan Gao
12:10-12:30	Chromospheric Condensation and Quasi-periodic Pulsations in a Circular-ribbon Flare	Qingmin Zhang
12:30-14:00	<i>Lunch and Group Photo</i>	
	Session 3c	Chair: R. Jain
14:00-14:20	On Flare-associated, Fast-mode Coronal Wave Trains	Wei Liu
14:20-14:40	Accurate measurement of sausage oscillations	Zhong Liu
14:40-15:00	Synthetic Ultraviolet Emissions from Coronal Loops experiencing Fast Sausage Modes	Mijie Shi
15:00-15:20	Filament longitudinal oscillations and their decay	Pengfei Chen

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15:20-15:50	<i>Coffee Break</i>	
	<i>Session 3d</i>	<i>Chair: P. Chen</i>
15:50-16:10	Aspects of MHD wave heating in the complex solar atmosphere	Ineke De Moortel
16:10-16:30	Influence of Resonant Absorption on the Generation of the Kelvin-Helmholtz instability	Patrick Antolin
16:30-16:50	Novel Heating Candidates for the Localized Solar Corona: High-frequency Torsional Alfvén Waves, Pseudo-shocks, and Forced Reconnection	Abhishek Srivastava
16:50-17:10	A novel prospect on coronal heating by MHD turbulence	Norbert Magyar
17:10-17:30	Wave heating in simulated multistranded coronal loops	Mingzhe Guo
17:30-17:50	MHD wave modes in magnetic flux tubes with elliptical cross-section (remote)	Gary Verth

THURSDAY, October 17, 2019

09:00-09:45	Co-authors and Material of Chapter 1: "Novel techniques in coronal seismology data analysis"	Chair: S. Anfinogentov
09:45-10:30	Co-authors and Material of Chapter 2: "Kink oscillations and waves in the corona"	Chair: V. Nakariakov
10:30-11:00	<i>Coffee Break</i>	
11:00-11:45	Co-authors and Materials of Chapter 3: "Slow waves in coronal loops"	Chair: T. Wang
11:45-14:00	<i>Lunch</i>	
14:00-14:45	Co-authors and Materials of Chapter 4: "MHD waves in open coronal structures"	Chair: D. Banerjee
14:45-15:30	Co-authors and Materials of Chapter 5: "Quasi-periodic pulsations in solar and stellar flares"	Chair: I. Zimovets
15:30-16:00	<i>Coffee Break</i>	
16:30-16:45	Co-authors and Materials of Chapter 6: "Sausage oscillations and waves in the corona"	Chair: B. Li
16:45-17:00	Recent results in Bayesian coronal and prominence seismology (remotely)	Inigo Arregui
17:00-17:15	Transverse loop oscillations from 3D MHD simulations (remotely)	Jaume Terradas

FRIDAY, October 18, 2019

9:00-09:45	Co-authors and material of Chapter 7: "Coronal heating by MHD waves"	Chair: T. Van Doorselaere
09:45-10:30	Materials of Chapter 8: "Future and outlook" and wrapping-up comments	Chair: V. Nakariakov
10:30-11:00	<i>Coffee Break</i>	
11:00-12:30	Open Discussion and Concluding Remarks	Chair: V. Nakariakov
12:30-14:00	<i>Lunch</i>	