

Draft Program Ver. 4 (2016 Aug 9)

Solar Physics with Radio Observation (SPRO2016)

Sep 9 (Fri) – Sep 10 (Sat), 2016 @ Nagoya U.

<http://st4a.stelab.nagoya-u.ac.jp/SPRO2016/>

Date	Time	Session (Chair)	Paper #	Title	Presenter	
Sep 9 (Fri)	8:45 – 9:00	<b>Registration and Welcome</b>				
		<b>I. Radio Telescopes for Solar Observations</b>				
	9:00 – 9:30	Gopalswamy	I – 1	Continued operation of Nobeyama Radioheliograph	Masuda, S.	
	9:30 – 10:00		I – 2	Solar Physics with NoRH	Shibasaki, K.	
	10:00 – 10:30		I – 3	Recent Progress of MUSER	Yan, Yihua	
<b>Coffee Break / Poster</b>						
	11:00 – 11:20		I – 4	Recent Activities Nobeyama Radio Polarimeters	Asai, A.	
	11:20 – 11:40		I – 5	Absolute calibration of Nobeyama Radio Polarimeters	Iwai, K.	
	11:40 – 12:10		I – 6	What Solar Data will ALMA Provide to Us in Cycle 4 and Beyond?	Shimojo, M.	
	12:10 – 12:30		I – 7	Hiraiso to Yamagawa: A Japanese new solar radio spectrograph	Kubo, Y.	
	12:30 – 12:50		I – 8	Solar flares THz photometers on a stratospheric transantarctic balloon flight	Raulin, J.-P.	
<b>Lunch Break</b>						
		<b>II. Radio Studies of High Energy Phenomena</b>				
	14:00 – 14:30	Masuda	II – 1	Diagnostics of the electron pitch-angle anisotropy in flaring loops using polarization measurements with Nobeyama Radioheliograph	Melnikov, V.	
	14:30 – 14:50		II – 2	Microwave imaging of a hot flux rope structure during the pre-impulsive stage of an eruptive M7.7 solar flare	Wu, Zhao	
	14:50 – 15:10		II – 3	Temporal and spatial distributions of microwave emission in flaring loop and the implication of nonthermal electrons	Kawate, T.	
	15:10 – 15:30		II – 4	Microwave Diagnostics of Solar Flaring Loop Parameters by the Forward Fitting Method	Melnikov, V.	
<b>Coffee Break / Poster</b>						
	16:00 – 16:20		II – 5	Radio and EUV Imaging Observations of Particle Acceleration Associated with Plasmoid Motions	Takasao, S.	
	16:20 – 16:40		II – 6	Erupting Sigmoid and Associated Flare with Parallel and Large-Scale Quasi-Circular Ribbons	Joshi, N. C.	
	16:40 – 17:00		II – 7	Solar microwave Zebra pattern burst and its source region	Tan, Baolin	
	17:00 – 17:30		II – 8	Coronal Magnetic Field of the 2011 August 09 Flare Source Inferred from the KSRBL Microwave Spectra	Lee, Jeongwoo	
Sep 10 (Sat)	9:00 – 9:30	Shibasaki	II – 9	A comparison of eruptive and confined flares in microwaves	Yashiro, S.	
	9:30 – 10:00		II – 10	Solar Flare Observations in Millimeter, Sub-millimeter and THz range	Raulin, J.-P.	
	10:00 – 10:20		II – 11	Implications of new Mid-IR Observations for mm/cm Flare Research	Hudson, H.	
<b>Coffee Break / Poster</b>						

### III. Radio Studies of Waves and Oscillations

11:00 – 11:30		III – 1	Multi-mode quasi-periodic pulsations in a solar flare	Nakariakov, V.
11:30 – 11:50		III – 2	MHD oscillations or periodic reconnection? The advantages of multi-wavelength approach.	Kupriyanova, E.
11:50 – 12:10		III – 3	Quasi-periodic acceleration of electrons in solar flares	Huang, Jing

#### Lunch Break

### IV. Radio Studies of the Quiet Sun, Solar Activity Cycle, and Others

14:00 – 14:30	Yan	IV – 1	Long-term Variation of the Polar Magnetic Field of the Sun Indicated by Polar Brightening and Prominence Eruptions in Microwaves	Gopalswamy, N.
14:30 – 14:50		IV – 2	Daily 17 GHz Circular Polarization Maps	White, S.
14:50 – 15:10		IV – 3	Chromospheric Sunspots in the Millimeter Range as Observed by the Nobeyama Radioheliograph	Iwai, K.
15:10 – 15:30		IV – 4	Radio Emission Diagnosis of Solar Atmospheric Model	Tan, Chengming

#### Coffee Break / Poster

16:00 – 16:20		IV – 5	Solar Radio Physics and MHD	Shibasaki, K
---------------	--	--------	-----------------------------	--------------

### V. Discussion

16:20 – 17:20		V – 1	Future of NoRH and Science	Panelers
---------------	--	-------	----------------------------	----------

### Posters

I – P1	Expanded Owens Valley Solar Array	(Gary, D.)
I – P2	HF – UHF Solar radio telescopes in Tohoku Univ. : Introduction of the system and science results	Misawa, H.
II – P1	Search for signs of electron pitch-angle anisotropy using the observed polarization degree distribution along microwave flare loops: a statistical study	(Morgachev, A.)
II – P2	Modeling the Distribution of Circular Polarization Degree of Microwave Emission along the Flaring Loop in the event of July 19, 2012	(Kuznetsov, S.)
II – P3	Properties of Gyrosynchrotron Emission in a Shrinking Flaring Loop	(Filatov, L. V.)
II – P4	Polarization Characteristics of Zebra Patterns in Type IV Solar Radio Bursts and a Possible Mechanism of Depolarization	Kaneda, K.
III – P1	Spatio-temporal evolution of sources of HXR and microwave pulsations in a solar flare observed with the RHESSI, NoRH and AIA/SDO	(Kuznetsov, S.)
IV – P1	Coronal Magnetic Fields Derived from Simultaneous Microwave and EUV Observations and Comparison with the Potential Field Model	(Miyawaki, S.)

Sep 11  
(Sun)

Excursion to Nobeyama