

Heliospheric and Magnetospheric Radioastronomy

The Legacy of
Jean-Louis Steinberg
(1922 - 2016)

6-10 Nov 2017, Observatoire de Paris, Meudon (France)

Scientific Program

Tuesday 07 November 2017, Amphit�atre Evry Schatzman, Building 18			
start time	duration	Title	Presenter
09:30	00:10	Welcome	
09:40	00:00	Science session 1	
09:40	00:25	Solar Radio Observations : state of the art from space-borne and ground-based observations	Ludwig Klein (<i>Invited</i>)
10:05	00:20	Fine structures of type II radio burst observed by LOFAR	Jasmina Magdaleni�
10:25	00:20	Solar radio imaging and Steinberg dilemma	Kontar Eduard
10:45	00:20	Coronal Radio Emission and Frost-Dennis Events	Hugh Hudson
11:05	00:30	Coffee break & Poster viewing	
11:35	00:20	Multi-wavelength signatures (radio and white light) of isolated shocks detected at L1	Monique Pick
11:55	00:25	Langmuir waves in the Heliosphere	Hamish Reid (<i>Invited</i>)
12:20	00:20	Full PIC simulations of solar radio emission	Andrea Sgattoni
12:40	00:25	High time resolution observations of fine structures in metric radio bursts with ARTEMIS/JLS and the Nan�ay Radioheliograph	Costas Alissandrakis (<i>Invited</i>)
13:05	01:15	Lunch break	
14:20	00:20	Magnetic helicity as predictor of eruptions	Etienne Pariat
14:40	00:20	Type III bursts at long wavelengths and density fluctuations in the solar wind	Vratislav Krupar
15:00	00:20	Shock location and CME 3D reconstruction of the first spatial resolved solar type II radio burst with LOFAR.	Pietro Zucca
15:20	00:25	Solar Radio Bursts: the Generation of Radio Waves	David Malaspina (<i>Invited</i>)
15:45	00:20	Diagnostic theory of coronal magnetic field from solar radio emission	Baolin Tan
16:05	00:25	Energetic electrons associated with solar radio bursts at the Sun and in the interplanetary medium	Nicole Vilmer (<i>Invited</i>)
16:30	00:30	Coffee break & Poster viewing	
17:00	00:20	20 years of the Franco-Hellenic " <i>Jean-Louis Steinberg</i> " - ARTEMIS solar radio spectrograph at Thermopylae, Greece	Xenophon Moussas (<i>Invited</i>)
17:20	00:25	Revealing of a possible mechanism of energy release in the faint solar flare by using spectral imaging observations in microwaves	Larisa Kashapova
17:45	00:20	Investigations of the fine structure of solar radio emission: from J.-L. Steinberg to the present days	Gennady Chernov
18:05	00:00	end of day 1	

Wednesday 08 November 2017, Amphit�atre Evry Schatzman, Building 18			
start time	duration	Title	Presenter
09:30	00:00	Science session 2	
09:30	00:25	Radio Scattering & diffusion in the inner heliosphere	Tim S. Bastian <i>(Invited)</i>
09:55	00:20	Lasco (SoHO) used to image galactic cosmic ray spallation reactions	Serge Koutchmy
10:15	00:45	Coffee break & Poster viewing	
11:00	00:25	Physics of the Solar Wind, state of the art	Marco Velli <i>(Invited)</i>
11:25	00:20	Solar wind turbulence : in-situ observations up to kinetic plasma scales	Olga Alexandrova
11:45	00:25	Quasi-Thermal Noise in the Heliosphere	Nicole Meyer-Vernet <i>(Invited)</i>
12:10	00:20	Combining radio receivers and electrostatic analyzers for accurate measurements of solar wind electrons: Wind Observations	Chadi Salem
12:30	00:25	Interplanetary Coronal Mass Ejections and shocks: from detection to models	Miho Janvier <i>(Invited)</i>
12:55	01:15	Lunch break	
14:10	00:25	Space radio instrumentation and measurement techniques	Baptiste Cecconi <i>(Invited)</i>
14:35	00:00	Science session 3	
14:35	00:25	Terrestrial Auroral kilometric radiation : a review	Raymond Pottellette <i>(Invited)</i>
15:00	00:20	New insights into the Non Thermal Continuum radiations: The Cluster Whisper perspective	Patrick Canu
15:20	00:25	The comets as observed by the RT	Jacques Crovisier <i>(Invited)</i>
15:45	01:00	coffee break and poster viewing	
16:45	00:25	Radio emissions from Jupiter and Saturn : state of the art	Philippe Zarka <i>(Invited)</i>
17:10	00:20	Very Interesting Radio Observations and Contributions to Monitoring Jovian Space Weather	Robert J. Macdowall
17:30	00:20	Decametric observations of the Sun and Jupiter with the Nan�ay Decameter Array : the past, the present and the future	Laurent Lamy
17:50	00:20	Magnetohydrodynamic simulations of the interaction of the solar wind with planetary magnetospheres	L�a Griton
18:10		end of day 2	

Thursday 09 November 2017, Amphit�atre Evry Schatzman, Building 18			
start time	duration	Title	Presenter
09:30	00:25	Initial status and results of plasma wave and radio observations by the Arase satellite	Yasumasa Kasaba <i>(Invited)</i>
09:55	00:25	Generation mechanisms of Planetary radio waves	Philippe Louarn <i>(Invited)</i>
10:20	00:00	Science session 4	
10:20	00:25	The Solar Orbiter mission & RPW instrument	Jan Sou�ek <i>(Invited)</i>
10:45	00:25	Broadband electric fields, waves, and radio measurements in the solar wind: The Parker Solar Probe Plus/FIELDS instrument	Stuart D. Bale <i>(Invited)</i>
11:10	00:30	Coffee break & Poster viewing	
11:40	00:20	The Radio Frequency Spectrometer for the Parker Solar Probe	Marc Pulupa
12:00	00:20	Solar Orbiter Science Activity Plan: Translating Questions into Action	Yannis Zouganelis
12:20	00:25	The Bepi Colombo Mission to Mercury	Dominique Delcourt <i>(Invited)</i>
12:45	01:15	Lunch break	
14:00	00:25	The JUICE mission & RPWI instrument	Jan-Erik Wahlund <i>(Invited)</i>
14:25	00:20	NOIRE Study	Baptiste Cecconi
14:45	00:25	SKA, LOFAR and NenuFAR	St�ephane Corbel <i>(Invited)</i>
15:10	00:00	Jean-Louis Steinberg Ceremony	
15:10	00:15	Welcome	Claude Catala & Pierre Drossart
15:25	00:45	The life and career of Jean-Louis Steinberg	Pierre Couturier
16:10	00:40	Various testimonials	
16:50	00:30	Building 16 Inauguration	
17:20	02:30	Cocktail	
19:50		End of workshop	

Posters size : 100 cm width x 140 cm height

Fist author	session	poster #	title
Chhabra Sherry	Session 1	1	Imaging-Spectroscopy of CME-Associated Solar Radio Bursts using OVRO-LWA
Magdalenic Jasmina	Session 1	2	Active region jets on August 25, 2011
Kashapova Larisa	Session 1	3	The preliminary results of the study of the origins of the selected SEP events occurred during the previous solar cycle.
Ryan Aoife Maria	Session 1	4	IMAGING THE SOLAR CORONA DURING THE MARCH 2015 SOLAR ECLIPSE AT LOW FREQUENCIES USING LOFAR
Maguire Ciara	Session 1	5	I-LOFAR Observations of the 10 September 2017 X8.2 Solar Flare
Marque Christophe	Session 1	6	Impact of the November 04th 2015 solar radio burst on air traffic operations
Carley Eoin	Session 1	7	Estimation of a Coronal Mass Ejection Magnetic Field Strength using Radio Observations of Gyrosynchrotron Radiation
Bouratzis Costas	Session 1	8	Metric Fiber Bursts Observed with the Artemis-IV/JLS Radio-Spectrograph
Sharma Rohit	Session 1	9	Determining weak low radio frequency emission from the Sun
Cherkos Alemayehu	Session 1	10	Effect of Viscosity and Gravitational Instability on Propagation of MHD waves in Astrophysical Plasma
Mugundhan Vijayaraghavan	Session 1	11	RADIO INTERFEROMETRIC OBSERVATIONS OF SUB-ARC MINUTE STRUCTURES IN THE SOLAR CORONA
Liu Hongyu	Session 1	12	A Solar Stationary Type IV Radio Burst and its Radiation Mechanism
Cherkos Alemayehu	Session 1	13	Effect of viscosity on propagation of MHD waves in astrophysical plasma
Tan Chengming	Session 1	14	Diagnosis of Microwave Fine Structure with Spectrum and Image Observation
Krishnan Hariharan	Session 1	15	Simultaneous Near-Sun Observations of a Moving Type IV Radio Burst and the Associated White-Light Coronal Mass Ejection
Alielden Khaled	Session 1	16	Type II Solar Radio Burst Splitting: a Measure of Coronal Magnetic Field Strength
Eduard Kontar	Session 1	17	Turbulent Kinetic Energy in the Energy Balance of Solar Flares
Lacombe Catherine	Session 2	18	THE LAST PAPER WRITTEN BY JEAN-LOUIS : Terrestrial low-frequency bursts: Escape paths of radio waves through the bow shock, J.-L. Steinberg, C. Lacombe?, P. Zarka, S. Hoang, C. Perche, Planetary and Space Science 52 (2004) 643 ? 660
Alcock Benjamin	Session 2	19	Modelling the Effects of Radio Refraction and Scattering on Apparent Source Size and Position
Pavel Travnicek	Session 2	20	Electrons in the inner heliosphere: Particle in Cell Simulations
Louis Coentin	Session 3	21	EXPRES simulations of Jupiter-satellite decametric emissions : a parametric study
Panchenko Mykhaylo	Session 4	22	L-GURT sub-array at Lustbuehel Observatory for low frequency radio astronomy
Martínez Picar Antonio	Session 4	23	Building SPADE ? status update
Murphy Pearse	Session 4	24	The construction, first-light observations and future plans of the Irish Low Frequency Array (I-LOFAR)
Sundkvist David	Session 4	25	The CUBesat Radio Interferometry Experiment (CURIE)