

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			
start time	duration	Title	Presenter
09:30	00:10	Welcome	
09:40	00:00	<b>Science session 1</b>	
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 Magdalenić
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	<b>Coffee break &amp; Poster viewing</b>	
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 Nançay Radioheliograph	Costas Alissandrakis ( <i>Invited</i> )
13:05	01:15	<b>Lunch break</b>	
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	<b>Coffee break &amp; Poster viewing</b>	
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	<b>end of day 1</b>	

<b>Wednesday 08 November 2017</b>			
<b>start time</b>	<b>duration</b>	<b>Title</b>	<b>Presenter</b>
09:30	00:00	<b>Science session 2</b>	
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	<b>Coffee break &amp; Poster viewing</b>	
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	<b>Lunch break</b>	
14:10	00:25	Space radio instrumentation and measurement techniques	Baptiste Cecconi <i>(Invited)</i>
14:35	00:00	<b>Science session 3</b>	
14:35	00:25	Terrestrial Auroral kilometric radiation : a review	Raymond Pottelette <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	<b>coffee break and poster viewing</b>	
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 Nançay 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	Léa Griton
18:10		<b>end of day 2</b>	

Thursday 09 November 2017			
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	<b>Science session 4</b>	
10:20	00:25	The Solar Orbiter mission & RPW instrument	Jan Souček <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	<b>Coffee break &amp; Poster viewing</b>	
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	<b>Lunch break</b>	
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	Stéphane Corbel <i>(Invited)</i>
15:10	00:00	<b>Jean-Louis Steinberg Ceremony</b>	
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	