

LOFAR Collaboration Science workshop
19 + 20 March 2013, Dalfsen, The Netherlands

PROGRAMME

Monday 18 March 2013

18:30 - 19:30 Welcome reception (Mooirivier hotel, Grand café)

18:00 - 20:00 Registration (Mooirivier hotel, Grand café)

Day 1: Tuesday 19 March 2013

08:30 - 09:00: Registration (reception area Holland zaal/congress hall)

09:00 - 09:10: Rene Vermeulen - Welcome Address (5 min)

09:10 - 09:35: Michael Wise – LOFAR status update (20+5 min)

09:35 - 10:00: George Heald - MSSS report (20+5 min)

10:00 - 10:30: Coffee Break

Session 1: Magnetism (and LOFAR VLBI)

Chair: Anna Scaife

10:30 - 10:55: Emanuela Orru – Double-double radio galaxies and doubletjes with LOFAR (20+5 min)

10:55 - 11:20: David Mulcahy – Observing Nearby Galaxies with LOFAR in conjunction with the MKSP (20+5 min)

11:20 - 11:45: Charlotte Sobey - The missing (pulsar) link: PSR B0823+26 (20+5 min)

11:45 - 12:10: Olaf Wucknitz – International Baselines (20+5 min)

Session 2: Transients

Chair: Rob Fender

12:10 - 12:35: Jess Broderick - LOFAR image plane transients: results from commissioning and Cycle 0 (20+5 min)

12:35 - 13:00: Jason Hessels - Status of LOFAR's Beam-Formed Modes and the LOFAR Tied-Array All-Sky Survey (20+5 min)

13:00 - 14:00: Lunch Break

Session 2 (cont.): Transients

14:00 - 14:20: Julien Girard - LOFAR early planetary and exoplanetary results (15+5 min)

14:20 - 14:40: Joeri van Leeuwen – An X-Raydio Switcheroo" - Synchronous X-ray and Radio Mode Changing in a Pulsar (15+5 min)

14:40 - 15:00: Peeyush Prasad - Real-Time, wide-field Calibration for the AARTFAAC All-Sky Radio Transient Monitor (15+5 min)

15:00 - 15:20: Vlad Kondratiev - LOFAR's View of Millisecond Pulsars (15+5 min)

15:20 - 15:40: Antonia Rowlinson - Training the TraP: Using simulated datasets to optimise the LOFAR Transients Pipeline (15+5 min)

15:40 - 16:00: Discussion (20 min)

16:00 – 16:30: Coffee Break



Day 1 (cont.): Tuesday 19 March 2013

Session 3: Epoch of Reionisation

Chair: S. Zaroubi

16:30 – 16:55: Vibor Jelic - Understanding (Galactic) foreground emission: A road to success for the LOFAR-EoR experiment (20+5 min)

16:55 – 17:20: Vishambhar Pandey - The First LOFAR Observation and beyond: Results (20+5 min)

17:20 – 17:45: Sanaz Kazemi - Ordered-Subsets acceleration of radio interferometric calibration (20+5 min)

17:45 – 18:10: Sarod Yatawatta - EoR NCP observations (20+5 min)

18:10 - 18:30: Drinks

18:30 - 19:30: Soccer match (subject to having enough players!)

20:00 - 22:30: Workshop Dinner

Day 2: Wednesday 20 March 2013

Session 4: Solar

Chair: Michael Wise

08:30 - 08:55: Gottfried Mann - Recent Results for Observing the Sun with LOFAR (20+5 min)

08:55 - 09:20: Richard Fallows - Scintillation Studies: Updates and New Perspectives (20+5 min)

09:20 - 09:45: Christian Vocks - Solar imaging: Commissioning observation results (20+5 min)

Session 5: Surveys

Chair: Huub Rottgering

09:45 - 10:10: Philip Best - Deep blank field LOFAR imaging at equatorial declinations: the XMM-LSS field (20+5 min)

10:10 - 10:30: Isabella Prandoni - The Lockman Hole Project: a Multi-frequency Study of the Faint Radio Population down to 150 MHz (15+5 min)

10:30 - 11:00: Coffee break

11:00 - 11:20: Chiara Ferrari - The LOFAR Source Finder Group: results and perspectives (15+5 min)

11:20 - 11:40: Laura Birzan - LOFAR Observations of Hercules A (15+5 min)

11:40 - 12:00: John McKean - A LOFAR view of the hotspots of Cygnus A (15+5 min)

12:00 - 12:20: David Rafferty - Starburst Galaxies at Low Frequencies (15+5 min)

12:20 - 12:40: Sjoert van Velzen - Radio morphology and source identification in LOFAR images

12:40 - 13:00: Leah Morabito – Radio Spectroscopy with LOFAR

13:00 – 14:00: Lunch Break



Session 6: Cosmic Rays

Chair: Heino Falcke

14:00 - 14:20: Pim Schellart - The cosmic rays data reduction pipeline (15+5 min)

14:20 - 14:40: Anna Nelles - Update from the Cosmic Ray KSP (15+5 min)

14:40 - 15:00: Arthur Corstanje - Time calibration of LOFAR-TBB data and CR wavefront analysis (15+5 min)

15:00 - 15:20: Sander ter Veen - FRATs, phase 1: Real-time detection of Fast Radio Transients (15+5 min)

15:20 - 15:45: Coffee Break

Session 6 (cont.): Cosmic Rays

15:45 - 16:05: J. Emilio Enriquez - FRATs, phase 2: Localization of Fast Radio Transients (15+5 min)

16:05 - 16:25: Stijn Buitink - NuMoon: search for neutrino-induced radio flashes from the Moon 15+5 min)

16:25 - 16:45: Maria Krause - Measurement of the antenna patterns of the LOFAR LBAs (15+5 min)

16:45 - 17:10: Michael Garrett - Workshop summary

Workshop ends

Poster Session

Dario Carbone - The LOFAR Source Finder group II: testing source finders with simulated maps

Yvette Cendes - A Modified RFI Flagging Strategy for Transients

Thijs Coenen - The LOFAR pilot pulsar surveys

Hugh Garsden - Compressed Sensing: A New Imaging Method Implemented for LOFAR

Maura Pilia - Evolution of Pulsar Profile Morphology at Low Frequencies

