

Tuesday June 2

| TimeSlot | Name | Title |
|-----------------|---|--|
| 08:30 | Registration | |
| 09:00 | Opening | Welcome to LOFAR Science 2015 |
| 09:10 | 1. Beam formed transients | <i>Chair: Joeri van Leeuwen</i> |
| 09:10 | Sally Cooper | An update on the LOTAAS Survey for Pulsars and Transients |
| 09:30 | Anna Bilous | LOFAR Census of Non-Millisecond Pulsars |
| 09:50 | Jason Hessels | C'est la mode: characterizing pulsar B0943+10's radio/X-ray mode-switching behavior |
| 10:10 | Charlotte Sobey | High-precision Faraday rotation measures from LOFAR observations of pulsars |
| 10:30 | Coffee | |
| 11:00 | Sander ter Veen | Searching for pulsars in globular clusters |
| 11:20 | Yogesh Maan | Discovery of fast radio transients at very low frequencies |
| 11:40 | 2. Image plane transients | <i>Chair: Alexander van der Horst</i> |
| 11:40 | Dario Carbone | The LOFAR Transients Key Science Project: status and updates on image plane transients |
| 12:00 | Emilio Enriquez | First observations of brown dwarfs with LOFAR |
| 12:20 | Prasad Peeyush | Imaging for transient detection with AARTFAAC |
| 12:40 | Lunch | |
| 14:00 | 3. Solar | <i>Chair: Emanuela Orru</i> |
| 14:00 | Gottfried Mann | LOFAR observations of energetic electrons in the Sun's atmosphere |
| 14:20 | Diana Morosan | LOFAR Imaging and Spectroscopy of Short-lived Solar Radio Bursts |
| 14:40 | Hamish Reid | Accelerated Electrons and Solar Radio Bursts |
| 15:00 | Frank Beitzing | Recent developments of the Solar Imaging Pipeline |
| 15:20 | Richard Fallows | Recent Musings on Ionospheric Scintillation, featuring the Quest for Phase |
| 15:40 | Coffee | |
| 16:10 | 4. Cosmic rays | <i>Chair: David Jones</i> |
| 16:10 | Jorg Horandel | Measurement of the particle type of cosmic rays with LOFAR |
| 16:30 | Laura Rossetto | Study of the cosmic ray radio emission pattern at the ground level with LOFAR |
| 16:50 | Arthur Corstanje | Radio wavefront of extensive air showers from pulse arrival timing at LOFAR |
| 17:10 | Satyendra Thoudam | The cosmic-ray energy spectrum above $\sim 10^{16}$ eV measured with the LRAAS Array |
| 17:30 | Olaf Scholten | Probing atmospheric electric fields in thunderstorms |
| 17:50 | End of Day | |
| 19:30–22:00 | Conference Dinner - Restaurant Hotel de Jonge | |

Wednesday June 3

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| 09:00 | 5. Imaging and calibration | <i>Chair: Matthias Hoeft</i> |
| 09:00 | Sarod Yatawatta | Consensus optimization: The (only) way forward |
| 09:20 | Maaijke Mevius | Probing Ionospheric Structure Using LOFAR EOR Data |
| 09:40 | Bas van der Tol | Simultaneous measurement of ionospheric parameters using LOFAR and GNSS satellite receivers |
| 10:00 | Cyril Tasse | Wirtinger-based calibration and imaging for the extragalactic surveys |
| 10:20 | Francesco de Gasperin | Imaging with the LOFAR Low Band Antenna |
| 10:40 | Coffee | |
| 11:00 | 6. Continuum Sources | <i>Chair: Elizabeth Mahony</i> |
| 11:00 | Tim Shimwell | LOFAR surveys of the low frequency sky |
| 11:20 | Raffaella Morganti | Searching for remnants of radio AGN with LOFAR |
| 11:40 | Aleksander Shulevski | A low frequency look of two giant radio galaxies |
| 12:00 | Marisa Brienza | The fate of radio galaxies: a LOFAR perspective |
| 12:20 | Alexander Drabent | Investigating diffuse radio emission with LOFAR: The complex merging galaxy cluster Abell 2069 |
| 12:40 | Lunch | |
| 13:50 | 7. Continuum Sources | <i>Chair: Marijke Harverkorn</i> |
| 13:50 | Alex Clarke | A1682: An Ultra Steep Spectrum Radio Halo |
| 14:10 | Sarrvesh Sridhar | Low frequency observation of the Pinwheel galaxy (M101) |
| 14:30 | Cameron Van Eck | Faraday Tomography with LOFAR |
| 14:50 | Vibor Jelic | LOFAR observations of ISM at high Galactic latitudes |
| 15:10 | Glenn White | Galactic radio emission |
| 15:30 | Coffee | |
| 15:50 | 8. Spectral line and long baselines | <i>Chair: John McKean</i> |
| 15:50 | Ger de Bruyn | EoR update and sub-arcsecond imaging of 3C196 |
| 16:10 | Adam Deller | LOBOS: The Long Baseline Calibrator Survey |
| 16:30 | Javier Moldon | High-resolution wideband observations of 4C19.44 with International LOFAR |
| 16:50 | Leah Morabito | Spatially Resolved Studies of High Redshift Radio Galaxies with LOFAR |
| 17:10 | Pedro Salas | The Cold Neutral Medium through Carbon Radio Recombination Lines |
| 17:30 | Summary | Heino Falcke |
| 17:55 | Closing remarks | LOC |
| 18:00 | End of Science Meeting | |