Sun, 01 Oct 2017

    in the evening   **WELCOME RECEPTION**

Mon, 02 Oct 2017

    09:00-10:30 Session 1

	Welcome	10min

Cosmic Dawn and Epoch of Reionization: theory and simulations

A. Mesinger (IR)	Cosmic Dawn and Epoch of Reionization: theory and simulations	35min
B. Greig	Simultaneously constraining the astrophysics of reionisation and the epoch of heating with 21CMMC	15min
Y. Xu	Modeling the Neutral Islands during the Late Epoch of Reionization	15min
J.-B. Durrive	Mean Energy Density of Photogenerated Magnetic Fields Throughout the Epoch of Reionization	15min

    10:30-11:00 Coffee Break

    11:00-12:30 Session 2

K. Datta (IT)	EoR simulations	25min
E. Garaldi	Quasars at the Cosmic Dawn: effects on Reionization properties in cosmological simulations	15min
J. Seiler	Exploring Reionization With Semi-Analytics: The Escape Fraction Strikes Back	15min
H. Ross	Simulating X-ray heating during the Cosmic Dawn	15min
P. Ocvirk	Cosmic Dawn II: radiation-hydrodynamics of galaxy formation during the epoch of reionization	15min

    12:30-13:30 Lunch Break

    13:30-15:00 Session 3

D. Aubert	The reionization epoch of z=0 halos.	15min
S. Hassan	What reionized our Universe?	15min
R. Kooistra	Detecting HI 21 cm emission from the IGM in large scale filaments with current and future radio telescopes	15min
K. Hoffmann	Signatures of Cosmic Reionization on the 21-cm 3-Point Correlation	15min
G. Mellema	Analysis of Tomographic 21-cm Data	15min
S. Majumdar	Quantifying the non-Gaussianity in the EoR 21-cm signal through bispectrum	15min

    15:00-15:30 Coffee Break

    15:30-17:00 Session 4

H. Padmanabhan (IT)	Neutral hydrogen in the post-reionization universe	25min
M. Silva	Is 2D power spectra analysis the best way to study line Intensity Maps? - The pre-EOR/EOR 21 cm line case	15min

Cosmic Dawn and Epoch of Reionization: observations, challanges and first results

TBA	Cosmic Dawn and Epoch of Reionization: observational challanges	35min
J. Bowman	Results from EDGES	
		15min

Tue, 03 Oct 2017

    09:00-10:30 Session 5

J.C. Pober (IT)	Results from PAPER	25min
R. Webster (IT)	Results from MWA-EoR	25min
L. Koopmans (IT)	Results from LOFAR-EoR	25min

B.K. Gehlot	Epoch of Reionization on large angular scales with LOFAR and AARTFAAC	15min

10:30-11:00 Coffee Break

11:00-12:30 Session 6

B. Pindor	MWA Observations of EOR1 field	15min
G. Bernardi	Measurements of the global signal from the Cosmic Dawn	15min
B. McKinley	Measuring the Global EoR Signal using the Moon and the MWA	15min
J.S. Dillon	Precision Calibration for 21 cm Cosmology with HERA	15min
C. Trott (IT)	SKA-CD/EoR project	25min

12:30-13:30 Lunch Break

13:30-15:00 Session 7

R. Dr. Ghara	21-cm signature of the first sources in the Universe: Prospects of detection with SKA using matched filters	15min
N. Thyagarajan	Status of Foreground and Instrument Challenges for 21cm EoR Experiments - Design and Analysis Strategies for SKA and HERA	15min
R. Joseph	Redundant Calibration: Breaking the constraints of limited sky information	15min
H. Shimabukuro	Analysing the 21cm signal with artificail neural networks	15min
K.M.B. Asad	Polarization Leakage in Epoch of Reionization Windows	15min
M.W. Eastwood	Full-Sky Maps of the VHF Radio Sky with the Owens Valley Long Wavelength Array	15min

15:00-15:30 Coffee Break

15:30-17:00 Session 8

The first stars/galaxies, EoR and multi-frequency constrains		
J.-L. Puget (IT)	CMB constraints on the EoR through the measurement of the Thompson optical depth	25min
M. Haehnelt	Probing reionization with Lyman-alpha and 21cm emission/absorption	15min
S.E.I. Bosman	The opacity of Lyman-alpha absorption up to z = 6.2 with a sample of 90+ z>5.7 quasars	15min
N. Yoshida (IR)	First stars/galaxies and EoR	35min

17:00-17:30 Coffee Break

17:30-18:30 — **DISCUSSION**

Wen, 04 Oct 2017

09:00-10:30 Session 9

Galactic foreground science		
M. Haverkorn (IR)	Galactic foreground science: radio emission, polarisation, ISM and magnetic fields	35min
S. Choudhuri	The angular power spectrum measurement of the Galactic synchrotron emission in two fields of the TGSS survey	15min
C. Sobey	Using low-frequency pulsar observations to study the 3-D structure of the Galactic magnetic field	25min
TBA	TBA	15min

10:30-11:00 Coffee Break

11:00-12:30 Session 10

M.-A. Miville-Deschenes (IR)	Galactic foreground science: multi-wavelength approach to constrain ISM	35min
S. Clark (IT)	Galactic HI and the Magnetic ISM Foreground	25min
Extragalactic foreground science		
A. Meszaros	Spatial distribution of the gamma-ray bursts at very high redshift	15min

K. Tisanic	Average radio spectral energy distribution of highly star forming galaxies	15min

12:30-13:30 Lunch Break

in the afternoon — **Sightseeing**

in the evening — **CONFERENCE DINNER**

Thu, 05 Oct 2017

09:00-10:30 Session 11

I. Prandoni (IR)	Galaxies/AGNs and their evolution	35min
M. Jarvis (IR)	Extragalactic foreground science: multi-wavelength approach and cosmic evolution	35min
L. Ceraj	Radio luminosity functions of AGN with moderate-to-high radiative luminosities out to z~6 in the COSMOS field	15min

10:30-11:00 Coffee Break

11:00-12:30 Session 12

<mark>**The first stars/galaxies, EoR and multi-frequency constrains**</mark>

Z. Ivezic (IT)	LSST and the Epoch of Reionization experiments	25min
A. Fialkov	Tracing Cosmic Dawn	15min
P. Dayal	Cosmic reionization: joint constraints from early gaxies and 21cm data	15min
R. Laureijs	Observing the high redshift Universe with Euclid	15min
G. Lagache (IT)	Exploring the dusty star-formation in the early Universe using CIB and [CII]-line intensity mapping	25min

12:30-13:30 Lunch Break

13:30-15:00 Session 13

A. Hutter	Exploring 21cm - galaxy synergies	15min
B. Yue	Detecting the reionization galaxies through the gravitational lensing	15min
G. Kulkarni	Evolution of the UV luminosity function of AGN and its implications for the 21 cm signal from the epoch of reionization	15min
L.V. Toth	The structure of the ISM in the Zone of Avoidance by high-resolution multi-wavelength observations	15min
C. Binggeli	LYCAN: The LYman Continuum ANalysis project	15min
S. Giri	Constraining Lyman continuum escape using Machine Learning	15min

15:00-15:30 Coffee Break

15:30-17:00 Session 14

C. Schmit	Emulation of reionization simulations for Bayesian inference of astrophysics parameters using neural networks.	15min
E. Evan	A new public 21-cm EoR signal database, and how it can make your life sunnier	15min

<mark>**Foreground mitigation**</mark>

S. Zaroubi (IR)	Foreground removal techniques	35min
A. Bonaldi (IT)	Foreground removal for EoR	25min

in the evening — **PUBLIC TALK and SKY GAZING**

Fri, 06 Oct 2017

09:00-10:30 Session 15

I. Wehus (IT)	Bayesian component separation: The Planck experience	25min
A. Datta	Foreground Subtraction in redshifted 21cm Global Signal Experiments using Artificial Neural Networks	15min

L. Olivari	Intensity Mapping Foreground Cleaning with Generalized Needlet Internal Linear Combination	15min
E. Chapman	Foreground Mitigation in the context of the EoR Pipeline	15min
S. Murray	Between Window and Wedge: An Improved Statistical Point-Source Foreground Model for the EoR	15min

10:30-11:00 Coffee Break

11:00-12:30 Session 16

F.G. Mertens	A non-parametric method for clean foregrounds removal in 21-cm EoR observations	15min
S. Yoshiura	F!oreground mitigation strategy for measuring the 21cm-LAE cross-correlation	15min

<mark>**SUMMARY AND FINAL DISCUSSION**</mark>

12:30-13:30 Lunch

IR an invited review
IT an invited talk
TBA to be announced