

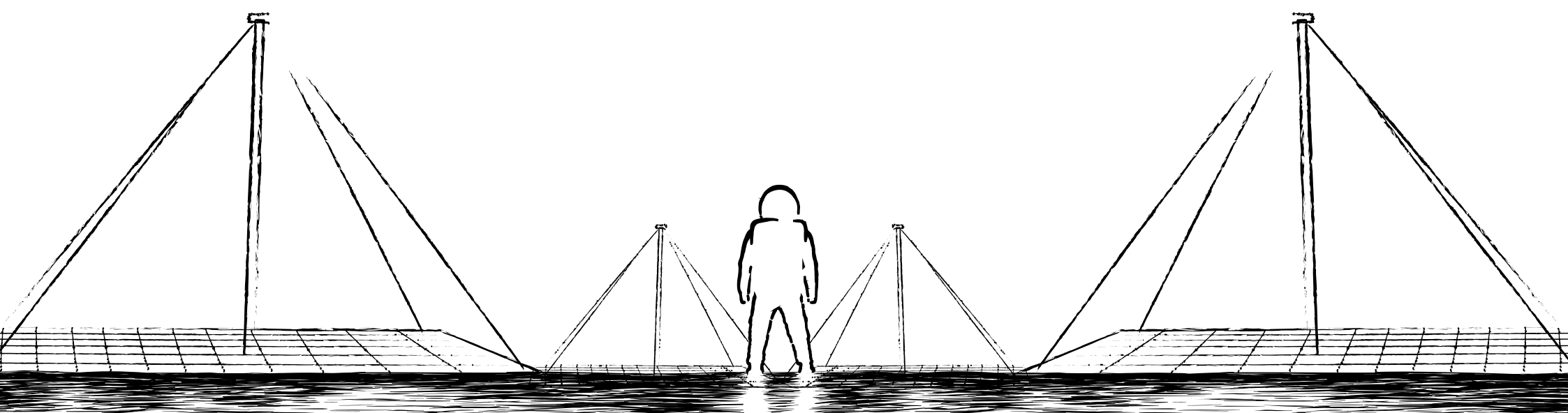
PROGRAM

LFM 2023

12-16 JUNE 2023

MONDAY, JUNE 12

- 08:30** **REGISTRATION OPENS**
- 9:00 – 10:55** **LOFAR2&USERS SESSION (HYBRID) - CHAIR: JESSICA DEMPSEY, ROOM: MAIN HALL**
- 9:00 – 9:10 • ANDRZEJ KRANKOWSKI (LOC) AND RENE VERMEULEN (ILT DIRECTOR) - WELCOME
 - 9:10 – 9:25 • ROBERTO PIZZO, "SDC OPERATIONS, STATUS AND PLANS"
 - 9:25 – 9:40 • ETIENNE BONNASSIEUX, "THE LOFAR USERS COMMITTEE – ACTIVITIES AND PLANS"
 - 9:40 – 9:55 • WIM VAN CAPPELLEN, "LOFAR2 DEVELOPMENT STATUS AND PLANS"
 - 9:55 – 10:10 • JOHN SWINBANK, "SDC DEVELOPMENTS TOWARDS LOFAR2"
 - 10:10 – 10:25 • JASON HESSELS, "LOFAR 2 EOI'S AND LARGE PROGRAMS"
 - 10:25 – 10:40 • PHILIPPE ZARKA, "NENUFAR STATUS AND OUTLOOK"
 - 10:40 – 10:55 • LEAH MORABITO, "TECHNICAL CHALLENGES OF LONG-BASELINE IMAGING"
- 11:00 – 11:15** **COFFEE & TEA**
- 11:15 – 12:45** **LOFAR2&USERS SESSION CONT. (HYBRID) - CHAIR: JASON HESSELS, ROOM: MAIN HALL**
- 11:10 – 11:25 • JESSICA DEMPSEY, "THE PATH TOWARDS LOFAR2 AND BEYOND"
 - 11:25 – 11:40 • HARISH VEDANTHAM, "LOFAR BEYOND LOFAR2"
 - 11:40 – 12:45 • "BREAKOUT SESSIONS ON LOFAR2 LARGE PROGRAMS" ROOMS: MAIN HALL, CYTRYNOWA, KARMAZYNOWA, BŁĘKITNA
- 12:45 – 13:30** **LUNCH**
- 13:30 – 15:00** **OPENING CEREMONY, ROOM: MAIN HALL**
- 15:00 – 15:30** **COFFEE & TEA**
- 15:30 – 17:15** **SURVEYS AND METHODS - CHAIR: KRZYSZTOF CHYŻY, ROOM: MAIN HALL**
- 15:30 – 16:00 • HUUB ROTTGERING, "SURVEYING THE LOW-FREQUENCY SKY" (INVITED)
 - 16:00 – 16:15 • FRANCESCO DE GASPERIN, "THE LOFAR LBA SKY SURVEY: FIRST RELEASE AND NEXT STEPS"
 - 16:15 – 16:30 • REINOUT VAN WEEREN, "LOFAR FACETSELFAL"
 - 16:30 – 16:45 • CHRISTIAN GROENEVELD, "THE DECAMETER SKY AT SUB-ARCMINUTE RESOLUTION"
 - 16:45 – 17:00 • MARCO SIMONTE "ARE GIANT RADIO GALAXIES A SPECIAL CLASS OF OBJECTS?"
 - 17:00 – 17:15 • LUKAS BÖHME, "MATCHING LOFAR SOURCES ACROSS RADIO BANDS"
- 18:15 – 20:00** **OLSZTYN COPERNICUS CASTLE AND WELCOME RECEPTION**



PROGRAM

LFM 2023

12 - 16 JUNE 2023

WEDNESDAY, JUNE 14

9:00 – 9:45

COSMIC RAYS - CHAIR: JESUS A. CAZARES, ROOM: MAIN HALL

9:00 – 9:30

- ANNA NELLES, “RADIO TELESCOPES AND ULTRA HIGH ENERGY COSMIC RAYS” (INVITED)

9:30 – 9:45

- KATHARINE MULREY, “DETECTING COSMIC RAYS WITH LOFAR”

9:45 – 10:30

DEEP FIELDS AND AGNS CHAIR: MAGDA KUNERT-BAJRASZEWSKA, ROOM: MAIN HALL

9:45 – 10:15

- PHILIP BEST, “DEEP SURVEY FIELDS WITH LOFAR” (INVITED)

10:15 – 10:30

- BERTA MARGALEF BENTABOL, “A MULTI-BAND AGN-SFG CLASSIFIER FOR EXTRAGALACTIC RADIO SURVEYS USING MACHINE LEARNING”

10:30 – 11:00

COFFEE & TEA

11:00 – 13:00

DEEP FIELDS AND AGNS CONT. - CHAIR: MAGDA KUNERT-BAJRASZEWSKA, ROOM: MAIN HALL

11:00 – 11:15

- GAOXIANG JIN, “STUDYING SFR-RADIO RELATION AND RADIO AGN HOST PROPERTIES USING LOTSS AND MANGA”

11:15 – 11:30

- PRATIK DABHADE, “LARGE SAMPLE OF DDRGS FROM LOFAR SURVEYS AND THEIR SPECTRAL NATURE”

11:30 – 11:45

- HEINZ ANDERNACH “THE GIANT RADIO GALAXY CONTENT OF LOTSS DR2”

11:45 – 12:00

- SUBHRATA DEY, “PANCHROMATIC SED MODELING OF INFRARED BRIGHT GALAXIES”

12:00 – 12:15

- MAREK WEŻGOWIEC, “MULTIWAVELENGTH STUDY OF AN EXTENDED POWERFUL RADIO GALAXY 4C 70.19”

12:15 – 12:30

- SAGAR SETHI, “LOW-FREQUENCY OBSERVATION OF COLLIMATED 100 KPC TWIN JET IN AN EXTENDED S-SHAPED RG”

12:30 – 12:45

- URSZULA PAJDOSZ-ŚMIERCIĄK, “CROSSING THE SIZE LIMIT OF RADIO SOURCES WITH LOFAR”

12:45 – 13:00

- ARPITA MISRA, “MULTIFREQUENCY ANALYSIS OF A POST-MERGER X-SHAPED RADIO GALAXY”

13:00 – 14:00

LUNCH

14:00 – 15:15

DEEP FIELDS AND AGNS CONT. - CHAIR: MAGDA KUNERT-BAJRASZEWSKA, ROOM: MAIN

14:00 – 14:30

- LEAH MORABITO, “VLBI WITH THE INTERNATIONAL LOFAR TELESCOPE” (INVITED)

14:30 – 14:45

- EMANUELE DE RUBEIS, “RADIO GALAXIES IN ABELL 2255: INSIGHTS FROM LOFAR-VLBI”

14:45 – 15:00

- HRISHIKESH DIGAMBAR, SHETGAONKAR “HIGH-RESOLUTION LOW-FREQUENCY PROBES OF X-RAY EMITTING KNOTS IN BLAZAR JETS”

15:00 – 15:30

GALAXY CLUSTERS II - CHAIR: REINOUT VAN WEEREN, ROOM: MAIN HALL

15:00 – 15:15

- KOSUKE NISHIWAKI, “TURBULENT RE-ACCELERATION BY SOLENOIDAL TURBULENCE AND MEGA HALO IN CLUSTER OUTSKIRTS”

15:15 – 15:30

- NADIA BIAVA, “INVESTIGATING THE ORIGIN OF CLUSTER-SCALE DIFFUSE RADIO EMISSION IN COOL-CORE GALAXY CLUSTERS”

15:30 – 16:00

COFFEE & TEA

16:00 – 17:15

GALAXY CLUSTERS II CONT. - CHAIR: REINOUT VAN WEEREN, ROOM: MAIN HALL

16:00 – 16:15

- GIADA VENUSTA PIGNATARO, “PROBING DIFFUSE RADIO EMISSION IN BRIDGES BETWEEN GALAXY CLUSTERS”

16:15 – 16:30

- CHRIS RISELEY, “THE ENIGMATIC RADIO EMISSION IN HCG 15: MYSTERY (FINALLY) SOLVED?”

16:30 – 16:45

- ALESSANDRO IGNESTI, “ON THE DISCOVERY OF AN INTERACTION BETWEEN A SPIRAL GALAXY AND A RADIO JET”

16:45 – 17:00

- ROLAND TIMMERMAN, “RADIO-MODE FEEDBACK IN HIGH-REDSHIFT GALAXY CLUSTERS WITH THE INTERNATIONAL LOFAR TELESCOPE”

17:00 – 17:15

- GIULIA LUSETTI, “LIFE OF RADIO GALAXIES IN CLUSTER ENVIRONMENT”

17:15 – 18:00

LOFAR2 & USERS SESSION CONT. "BRAINSTORM ON FUTURE DIRECTIONS FOR THE LOFAR TELESCOPE" - CHAIR: JESSICA DEMPSEY, ROOM: MAIN HALL

THURSDAY, JUNE 15

9:00 – 9:45	PLANETS - CHAIR: JOSEPH CALLINGHAM, ROOM: MAIN HALL
9:00 – 9:30	• CYRIL TASSE, “AUTOMATED DETECTION OF POLARIZED BURSTS IN LOW-FREQUENCY RADIO EMISSIONS FROM STARS AND EXOPLANETS” (INVITED)
09:30 – 9:45	• XIANG ZHANG, “EXOPLANETS WITH LOFAR AND NENUFAR: WHERE DO WE STAND?”
9:45 – 10:30	TRANSIENTS AND PULSARS - CHAIR: EMANUELA ORRU, ROOM: MAIN HALL
9:45 – 10:15	• JASON HESSELS, “PULSARS & FAST TRANSIENTS WITH LOFAR” (INVITED)
10:15 – 10:30	• PRAGYA CHAWLA, “PROBING THE LOW-FREQUENCY EMISSION OF FAST RADIO BURSTS WITH THE LOTAAS SURVEY”
10:30 – 11:00	COFFEE & TEA
11:00 – 12:30	TRANSIENTS AND PULSARS CONT. - CHAIR: EMANUELA ORRU, ROOM: MAIN HALL
11:00 – 11:15	• ANDRZEJ SZARY, “ELECTRODYNAMICS OF THE INNER ACCELERATION REGION IN PULSARS AND DIRECTION OF PLASMA DRIFT”
11:15 – 11:30	• JAROSLAW DYKS, “INVERSE COMPTON SCATTERING OF CURVATURE RADIATION AS THE ORIGIN OF THE RADIO PULSAR BEAM GEOMETRY”
11:30 – 11:45	• RAHUL BASU, “MONITORING SINGLE PULSE EMISSION FROM PULSARS USING POLFAR”
11:45 – 12:00	• KAROLINA ROŹKO, “THE CURRENT STATE OF THE GPS PULSARS STUDIES”
12:00 – 12:15	• AKSHATHA GOPINATH, “PROPAGATION EFFECTS SEEN IN THE LOFAR LONG-TERM MONITORING OF THE PERIODICALLY ACTIVE FRB 20180916B”
12:15 – 12:30	• ANTONIA ROWLINSON, “A COHERENT RADIO FLASH FOLLOWING A NEUTRON STAR MERGER: THE BIRTH OF A MAGNETAR”
12:30 – 13:00	HIGH-Z UNIVERSE, COSMOLOGY AND EOR - CHAIR: ARITRA BASU, ROOM: MAIN HALL
12:30 – 13:00	• LEON KOOPMANS, “OBSERVING THE EPOCH OF REIONISATION AND COSMIC DAWN WITH LOFAR AND NENUFAR” (INVITED)
13:00 – 14:00	LUNCH
14:00 – 15:30	HIGH-Z UNIVERSE, COSMOLOGY AND EOR CONT. - CHAIR: ARITRA BASU, ROOM: MAIN HALL
14:00 – 14:15	• KARIUKI CHEGE, “THE NEXTLEAP: A NOVEL DATA PROCESSING WORKFLOW FOR THE LOFAR EOR SCIENCE PROJECT”
14:15 – 14:30	• SATYAPAN MUNSHI, “UPPER LIMITS ON THE 21-CM SIGNAL FROM COSMIC DAWN WITH NENUFAR”
14:30 – 14:45	• STEFANIE BRACKENHOFF, “IONOSPHERIC CORRUPTIONS OF THE HIGH-REDSHIFT 21-CM SIGNAL”
14:45 – 15:15	• DOMINIK SCHWARZ, “COSMOLOGY WITH LOTSS” (INVITED)
15:15 – 15:30	• MACIEJ BILICKI, “CROSS-CORRELATION OF LOTSS DR2 WITH CMB LENSING: RADIO GALAXY BIAS AND COSMOLOGY”
15:30 – 16:00	COFFEE & TEA
16:00 – 17:30	HIGH-Z UNIVERSE, COSMOLOGY AND EOR CONT. - CHAIR: ARITRA BASU, ROOM: MAIN HALL
16:00 – 16:15	• JINGLAN ZHENG, “LOTSS DR2 CROSS CORRELATING WITH EBOSS: BAO CONSTRAINTS AND BIAS RESULTS”
16:15 – 16:30	• LUDWIG PFEIFER, “EXTENDED, AGN-INDUCED INVERSE-COMPTON EMISSION FROM THE DISTANT, BRIGHT RADIO GALAXY 4C39.24”
16:30 – 17:15	MAGNETISED UNIVERSE - CHAIR: VOLKER HEESEN, ROOM: MAIN HALL
16:30 – 17:00	• SHANE O’SULLIVAN, “THE LOFAR FARADAY ROTATION MEASURE GRID” (INVITED)
17:00 – 17:15	• BJÖRN ADEBAHR, “A PUZZLING DOUBLE ODD RADIO CIRCLE OBSERVED WITH APERTIF AND LOFAR”
19:30 – 21:30	CONFERENCE DINNER AT HOTEL HP PARK

FRIDAY, JUNE 16

9:00 – 10:30	STARS AND INTERSTELLAR MEDIUM - CHAIR: KATARZYNA MAŁEK, ROOM: MAIN HALL
9:00 – 9:30	• MARCIN HAJDUK, “OBSERVING IONIZED STELLAR OUTFLOWS WITH LOFAR” (INVITED)
9:30 – 9:45	• TIMOTHY WING HEI YIU, “RADIO EMISSION AS A STELLAR ACTIVITY INDICATOR”
9:45 – 10:00	• SANNE BLOOT, “HUNTING FOR THE COLDEST BROWN DWARFS IN LOTSS”
10:00 – 10:15	• WOJCIECH LEWANDOWSKI, “IONIZED INTERSTELLAR MEDIUM STUDIES USING PULSAR SCATTERING OBSERVATIONS FROM POLISH LOFAR (POLFAR) STATIONS”
10:15 – 10:30	• ALEXANDROS FILOTHODOROS, “THE STUDY OF THE VARIABILITY OF INTERSTELLAR SCATTERING IN PULSAR OBSERVATIONS CONDUCTED WITH THE PL611 LOFAR STATION”
10:30 – 11:00	COFFEE & TEA
11:00 – 13:00	NEARBY GALAXIES - CHAIR: BJÖRN ADEBAHR, ROOM: MAIN HALL
11:00 – 11:30	• VOLKER HEESEN, “COSMIC RAYS, GALAXIES AND LOFAR” (INVITED)
11:30 – 11:45	• MICHAEL STEIN, “TRACING GALACTIC MAGNETIC FIELDS AND COSMICS RAYS WITH SYNCHROTRON EMISSION”
11:45 – 12:00	• HENRIK EDLER, “THE LOFAR-VIEW OF RAM-PRESSURE STRIPPING IN THE VIRGO CLUSTER”
12:00 – 12:15	• ETIENNE BONNASSIEUX, “LOFAR VIEW OF SNRE IDENTIFIED WITH XMM-NEWTON IN THE ANDROMEDA GALAXY”
12:15 – 12:30	• DANY VOHL, “A LOFAR SAMPLE OF LUMINOUS COMPACT SOURCES COINCIDENT WITH NEARBY DWARF GALAXIES”
12:30 – 12:45	• LOVORKA GAJOVIĆ, “SPECTRAL TURNOVER AT LOW RADIO FREQUENCIES IN H II REGIONS OF NEARBY GALAXIES”
12:45 – 13:00	• DEEPIKA VENKATTU, “SUB-ARCSECOND RESOLUTION IMAGING OF M 51 WITH THE INTERNATIONAL LOFAR TELESCOPE”
13:00 – 13:15	FAREWELL ADDRESS, ROOM: MAIN HALL
13:15 – 14:15	LUNCH