

Session Program

27-30 Sept 2021

**ALMA-FED 2021: ALMA Front End
Development (Virtual) Conference 2021**

Receivers (SIS)

Wednesday 29 September

13:00

Receivers (SIS): Wideband Technology development for ALMA receiver upgrades at NAOJ

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Takafumi Kojima

13:05

13:05

Receivers (SIS): SIS based mixers development for radio astronomy

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Kirill Rudakov

13:10

13:10

Receivers (SIS): On Extending the IF Bandwidth of ALMA Band # 6 SIS Mixers

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Marian Pospieszalski

13:15

13:15

Receivers (SIS): ALMA Band 6v2 Receiver Upgrade

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Alessandro Navarrini

13:20

13:20

Receivers (SIS): ALMA Band 6 Local Oscillator Noise Improvement

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Kamaljeet Saini

13:25

13:25

Receivers (SIS): The status of SIS Process Development at GARD

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Alexey Pavolotsky

13:30

13:30

Receivers (SIS): The development of low-noise, wide-band SIS mixer receivers based on a zero-IF architecture

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Ray Blundell

13:35

13:35

Receivers (SIS): Discussion (lead: Neil Phillips)

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Neil Phillips

14:00

14:00

Receivers (SIS): 4 - Receivers (SIS): Broad IF band vs. Broad RF Band

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Victor Belitsky

14:05

14:05

Receivers (SIS): Development of a new wideband heterodyne receiver system (RF: 210–375 GHz, IF: 4–21 GHz) for the Osaka 1.85-mm mm-submm telescope

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Toshikazu Onishi

14:10

14:10

Receivers (SIS): Development of Band 7+8 Cartridge Receiver

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Jung-Won Lee

14:15

14:15

Receivers (SIS): On-going mixer developments at IRAM

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Doris Maier

14:20

14:20

Receivers (SIS): Dual Band upgrade of NOEMA Receivers

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Anne-Laure Fontana

14:25

14:25

Receivers (SIS): Developing for ALMA's future at NOVA

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Ronald Hesper

14:30

14:30

Receivers (SIS): Discussion (lead: Kamaljeet Saini)

Session |

Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |

Convener: Kamaljeet Saini

15:00