

Session Program

Sep 27 - 30, 2021

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

Receivers (SIS)

Wed, September 29

1:00 PM

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

1:05 PM

1:05 PM

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

1:10 PM

1:10 PM

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

1:15 PM

1:15 PM

Receivers (SIS): ALMA Band 6v2 Receiver Upgrade

Session |

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

Convener: Alessandro Navarrini

1:20 PM

1:20 PM

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

1:25 PM

1:25 PM

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

1:30 PM

1:30 PM

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

1:35 PM

1:35 PM

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

Session |

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

Convener: Neil Phillips

2:00 PM

2:00 PM

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

2:05 PM

2:05 PM
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3:00 PM

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

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

Receivers (SIS): On-going mixer developments at IRAM
Session |
Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |
Convener: Doris Maier

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

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

Receivers (SIS): Discussion (lead: Kamaljeet Saini)
Session |
Location: ESO (European Southern Observatory) Headquarters, located in Garching, near Munich (Germany) |
Convener: Kamaljeet Saini