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(ISSTT 2014)

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Program in detail

Sunday, April 27, 2014

13:00 – 19:30 Registration Desk open, the Main Hall

14:00 – 16:30 TERADEC

17:00 – 19:30 Welcome party, the Main Hall

Monday, April 28, 2014

8:30 – 9:30 Registration

9:30 – 10:05 Symposium opening: Gregory Goltsman, Teunis M. Klapwijk

Chair: Boris Karasik

10:05 – 10:30 Invited Talk: “SAFARI new and improved - extending the capabilities of SPICA’s Imaging Spectrometer” - Dr. Gerhard de Lange, SRON 17

10:30 – 11:30 Session 1: Systems & receivers I

Paper	Abstract Title	Presenter
1-1	Submillimeter-Wave Radiometer and Spectrometers using Cryogenically Cooled HEMT Amplifier Front-Ends 19	Goutam Chattopadhyay
1-2	Progress on the upGREAT heterodyne array receivers for the SOFIA telescope 20	Christophe Risacher
1-3	Development of a Terahertz Superconducting Imaging Array (TeSIA) 21	Sheng-Cai Shi
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11:30 – 11:45 Coffee & Tea Break

Chair: Doris Maier

11:45 – 12:30 Session 2: Sources I

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2-2	Progress towards a Room-Temperature 4.7 THz Multiplied Local Oscillator Source to Enable Neutral Oxygen Observation 25	Jose Siles
2-3	A 4.7 quantum-cascade lasers as local oscillator for the GREAT heterodyne spectrometer on SOFIA 26	Heiko Richter

12:30 – 14:00 Lunch Break

Meeting of ISSTT Steering Committee (continue on Tuesday if necessary)

Chair: Alexej Semenov

14:00 – 14:25 Invited Talk: “SpaceKIDs - The development of Kinetic Inductance Detectors for Space Based Applications” - Dr. Simon Doyle, Cardiff University 27

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15:40 – 16:00 Coffee & Tea Break

Chair: Sergey Ryabchun

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*17:25 – Bus boarding

*18:00 – 20:00 Tour to *Radio Physics Lab and Technological Center of Moscow State Pedagogical University* (optional)

Tuesday, April 29, 2014

9:00-9:30 Registration

Chair: Raymond Blundell

9:30 – 9:55 Invited Talk: “Millimetron: The next FIR/mm Space Observatory” - Dr. Thijs de Graauw, Astro Space Centre of P.N. Lebedev Physical Institute, RAS 52

9:55 – 11:10 Session 5: THz coherent detectors: HEB I

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11:10 – 11:30 Coffee & Tea Break

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*17:40 – Bus boarding OR walk to IRE (~15 minutes)

*18:00 – 19:00 Tour to *IRE (Kotel'nikov Institute of Radio Engineering and Electronics, RAS)*
(optional)

19:00 – Bus boarding at IRE or at the Symposium site

19:30 – 22:00 Conference dinner

Wednesday, April 30, 2014

9:00 – 9:30 Registration

Chair: Patrick Pütz

9:30 – 9:55 Invited Talk: “The Greenland Telescope” - Dr. Raymond Blundell , Smithsonian Astrophysical Observatory 72

9:55 – 10:10 Special Talk “Radioastron” – Dr. Yury Kovalev, Astro Space Centre of P.N. Lebedev Physical Institute, RAS

10:10 – 11:10 Session 8: THz coherent detectors: HEB II & SIS mixers

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15:40 – 16:00 Coffee & Tea Break

* 16:10 – Bus boarding

* 17:00 – 19:00 Tour to *IKI (Space Research Institute, RAS)* (optional)

* 19:00 – 21:00 Entertainment (optional)

Additional Paper:

Noise in Nano Bolometers: Terahertz Detectors at Room Temperature and at 77K 69