

# Program of the EVGA2017

version  
2017-04-28

## 2017-05-14

<b>Icebreaker and registration</b>	Register, put up your posters, meet your friends, talk to your colleagues. Drink and snacks will be served.	18:00-20:00
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## 2017-05-15 EVGA2017 Day-1

<b>Welcome</b>	<b>Rüdiger Haas</b>	08:45-09:00
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### **Session-T1 (60 min) Chairperson: Evgeny Nosov**

Lopez Fernandez	Technological Development for VGOS at Yebes Observatory	09:00-09:15
Sekido	Broadband VLBI System GALA-V and Its Application for Geodesy and Frequency Transfer	09:15-09:30
Flygare	Sensitivity and antenna noise temperature analysis of Onsala Twin Telescopes 3 - 18 GHz	09:30-09:45
Pantaleev	Design, implementation and tests of the signal Chain for the Twin Telescopes at Onsala Space Observatory	09:45-10:00

<b>Coffee break (30 min)</b>	(coffee and sandwich served)	10:00-10:30
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### **Session-T2 (60 min) Chairperson: José Antonio Lopez Fernandez**

Nosov	Improvement of PCAL signal distribution on RT-32 radio telescopes of "Quasar" VLBI network	10:30-10:45
Klügel	VLBI - DORIS Interference Investigation at Wettzell	10:45-11:00
Nothnagel	Paraboloid deformation investigations of the Onsala 20 m radio telescope with terrestrial laser scanning	11:00-11:15
Eschelbach	Unified Model for Surface Fitting of Radio Telescope Reflectors	11:15-11:30

<b>Stretch your legs break (15 min)</b>		11:30-11:45
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### **Session-T3 (60 min) Chairperson: Axel Nothnagel**

Plötz	On the way to regular, transatlantic VGOS sessions using an Elevenfeed and DBBC2's	11:45-12:00
Neidhardt	The Jumping Jive Monitoring Work Package: centralized System Monitoring and Automation as key feature also for VGOS	12:00-12:15
Petrachenko	VGOS 1.1: A DBE Opportunity and Data Transmission Challenge	12:15-12:30
Lovell	A Year of Dynamic Observing	12:30-12:45

<b>Lunch break (60 min)</b>	(lunch on your own)	12:45-13:45
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### **Session-T4 (60 min) Chairperson: Bill Petrachenko**

Bertarini	An IVS pilot study for distributed correlation in the VGOS era	13:45-14:00
Keimpema	Real-time eVLBI at JIVE using the SFXC software correlator	14:00-14:15
McCallum J	Correlation at UTAS	14:15-14:30
Weston	Towards Cloud Correlation of VLBI Data	14:30-14:45

<b>Coffee break (30 min)</b>	(coffee and pastry served)	14:45-15:15
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### **Session-T5 (30 min) Chairperson: Alessandra Bertarini**

Zheng	The progress of VLBI terminal and correlator in SHAO	15:15-15:30
Li	Ultra-wide band receiver for SHAO VGOS station	15:30-15:45
Chen	Recent Progress in Cryogenic MMIC Design of SHAO	15:45-16:00

### **Session-A1 (15 min)**

Soja	A celestial reference frame based on Kalman filtering	16:00-16:15
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<b>Stretch your legs break (15 min)</b>		16:15-16:30
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<b>Session-O1 (60 min)</b>		<b>Chairperson: John Gipson</b>
Wakasugi	VGOS development for Ishioka 13-m antenna	16:30-16:45
Ruszczuk	VGOS Interoperability Observing Sessions - Results, Lessons Learned, and Guidelines	16:45-17:00
Alef	Bonn Correlator: Preparing for VGOS and EHT	17:00-17:15
Marti-Vidal	Linear polarizers in VLBI: offline conversion into a circular basis	17:15-17:30
<b>Strech your legs break (15 min)</b>		17:30-17:45

<b>Session-O2 (60 min)</b>		<b>Chairperson: Johannes Böhm</b>
McCullum L	The HOB experiments	17:45-18:00
Combrinck	Proposed establishment of a Fundamental Geodetic Station in Antarctica	18:00-18:15
Gipson	Simulation Results for KOKEE12M-WETTZ13S 'Intensives'	18:15-18:30
Kareinen	Optimal tag-along station locations for VLBI Intensive sessions	18:30-18:45

<b>Poster session (150 min)</b> (drink and snack served)	18:45-20:45
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## 2017-05-16 EVGA2017 Day-2

<b>Session-O3 (60 min)</b>		<b>Chairperson: Sabine Bachmann</b>
Schartner	Recent developments in scheduling with VieVS	09:00-09:15
Haas	VLBI with GNSS-signals on an intercontinental baseline	09:15-09:30
Hobiger	Simulations of VLBI-only spacecraft orbit determination	09:30-09:45
Klopotek	Lunar observations and geodetic VLBI - A simulation study	09:45-10:00
<b>Coffee break (30 min)</b> (coffee and sandwich served)		10:00-10:30

<b>Session-A2 (60 min)</b>		<b>Chairperson: Thomas Hobiger</b>
Bachmann	ITRS realizations in the framework of ITRF2014: impact of different TRF parameterizations on VLBI combined products	10:30-10:45
Krasna	Determining the Galactocentric acceleration vector from VLBI and its impact on the terrestrial reference frame	10:45-11:00
Halsig	INT2b - determination of UT1 with parallel Intensive sessions	11:00-11:15
Himwich	Impact of station clocks on UT1-TAI estimates	11:15-11:30
<b>Strech your legs break (15 min)</b>		11:30-11:45

<b>Session-A3 (60 min)</b>		<b>Chairperson: Alet de Witt</b>
Anderson	CONT14 Imaging and Closure Analysis of Source Structure Effects: Part 1 – Imaging Results	11:45-12:00
Xu	CONT14 Imaging and Closure Analysis of Source Structure Effects: Part 2 – Closure Analysis	12:00-12:15
Mayer	The application of ray-traced delays for the ICRF3	12:15-12:30
Charlot	Towards the third realization of the International Celestial Reference Frame	12:30-12:45
<b>Lunch break (60 min)</b> (lunch on your own)		12:45-13:45

<b>Session-A4 (60 min)</b>		<b>Chairperson: James Anderson</b>
de Witt	K-band Celestial Frame: can it be better than S/X ?	13:45-14:00
Le Bail	Investigating the noise floor of VLBI source positions	14:00-14:15
Titov	Structure of the radio source 0014+813 using CONT'14 geodetic VLBI observations	14:15-14:30
Shu	Absolute astrometry of weak sources with the AOV	14:30-14:45
<b>Coffee break (30 min)</b> (coffee and pastry served)		14:45-15:15

<b>Session-A5 (60 min)</b>		<b>Chairperson: Patrick Charlot</b>
Jaron	Near-field VLBI delay models - Implementation and testing	15:15-15:30
Zhang	Initial Study of Lunar Librations by VLBI Observations of the Chang'E-3 Lunar Lander	15:30-15:45
Flohrer	Update on VLBI data analysis at ESOC	15:45-16:00
Kwak	DOGS-RI: new VLBI analysis software at DGFI-TUM	16:00-16:15
<b>Strech your legs break (15 min)</b>		<b>16:15-16:30</b>

<b>Session-A6 (75 min)</b>		<b>Chairperson: Lucia McCullum</b>
Scherneck	Ocean tide loading - where we are standing	16:30-16:45
Girdiuk	An empirical atmospheric tidal loading solution for particular VLBI stations	16:45-17:00
Jacobs	Twin Telescope Tests: Assessing Station Oriented Systematic Errors	17:00-17:15
Nilsson	Estimating common tropospheric parameters for co-located VLBI antennas	17:15-17:30
<b>Closing remarks</b>	<b>Rüdiger Haas</b>	<b>17:30-17:45</b>

<b>Conference dinner</b>	<b>At Wijkanders Restaurang</b>	<b>19:00-23:00</b>
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### Posters Session-1

Bergstrand	Geometric variations of a geodetic telescope	P1.01
Forkman	Accuracy assessment of the two WVRs, Astrid and Konrad, at the Onsala Space Observatory	P1.02
Helldner	Time and frequency distribution for the Onsala Twin-Telescopes	P1.03
Neidhardt	Communication, Coordination, and Automation for future Geodetic Infrastructures	P1.04
Ruszczuk	The MIT/NASA Broadband Signal Chain - Present State, VGOS compliance, and Beyond	P1.05
Tuccari	DBBC3: The new flexible, wide-band VLBI backend – status	P1.06
Tuccari	BRAND: A very wide-band receiver for the EVN	P1.07

### Posters Session-2

Anderson	GFZ Simulations of VLBI Observations of E-GRASP/Eratosthenes	P2.01
Baver	Reduction of the IVS-INT01 UT1 Formal Error through New Sked Algorithms	P2.02
Behrend	Planning of the Continuous VLBI Campaign 2017 (CONT17)	P2.03
Elgered	The Onsala Twin Telescopes project	P2.04
Gruber	Geodetic VLBI Correlation at the Vienna Scientific Cluster	P2.05
Hase	Argentinean-German Geodetic Observatory (AGGO)	P2.06
Jaroenjittichai	Status of RANGD project	P2.07
Lopez Fernandez	Status of RAEGE Network	P2.08
Molera Calvés	Metsähovi Geodetic Fundamental Station - current status of the new VGOS site	P2.09
Nickola	HartRAO antenna axis offset and its effect on troposphere modelling and antenna coordinates	P2.10
Thorandt	VLBI at GARS O'Higgins - 25 years of operation and recent developments	P2.11
Wang	The Sheshan VGOS station progress on construction	P2.12
Wielgosz	The new potential VGOS site in Poland	P2.13

**Posters Session-3**

Balidakis	Calculating integrated water vapor trends from VLBI, GNSS and NWM	P3.01
Bolotin	Implementation of the vgosDb format at the GSFC VLBI Analysis Center	P3.02
Corbin	Automated ambiguity resolution with clustering and analysis of Intensive Sessions	P3.03
Gattano	Classification of VLBI radio-sources by astrometric stability using Allan Variance	P3.04
Halsig	Current development progress in ivg::ASCOT	P3.05
Hjelle	Where - A New Software for Geodetic Analysis	P3.06
Karbon	The impact of the TRF on the CRF	P3.07
Mammadaliyev	Improvements of the stochastic model of the VLBI data analysis in VieVS@GFZ	P3.08
Modiri	Copula-based analysis of correlation structures in VLBI data analysis	P3.09
Nilsson	The GFZ VLBI TRF solutions	P3.10
Schubert	Stochastic estimation of ZWD parameter in VLBI data analysis using a Square-Root Information Filter	P3.11
Skurikhina	CONT14 Data Analysis	P3.12
Skurikhina	VLBI Analysis at the IAA	P3.13
Tanir	Comparison of least squares and KalmanFilter solutions from different IVS analysis centers	P3.14
Thorandt	IVS Primary Data Center and Analysis Center at BKG	P3.15