

Programme EUREF Symposium 2019

Note: Each oral presentation in Sessions 1 to 4 is scheduled 15 minutes (12 ' talk plus 3 ' for discussion) unless otherwise indicated. National Reports (session 5) are scheduled 5 minutes talk each.

Day 1 (Wednesday, May 22)

08:00 – 09:00	Registration	
09:00 – 10:00	Opening Session	Chair: Markku Poutanen
09:00 – 09:10	ELLMANN Artu	Welcome address by the Deputy Director General, Estonian Land Board
09:10 – 09:20	ALTAMIMI Zuheir	Welcome by the IAG Vice President
09:20 – 09:30	BRUYNINX Carine	Welcome by the President IAG sub-commission 1.3 "Regional Reference Frames"
09:30 – 09:45	POUTANEN Markku	Welcome by the Chairman of IAG sub-commission 1.3a (EUREF)
09:45 – 10:00	KENYERES Ambrus	Goals and Activities of the EUREF Governing Board
10:00 – 10:30	Session 1: SYSTEMS: ETRS89, EVRS	Chair: Zuheir Altamimi
10:00 – 10:15	SACHER Martina, LIEBSCH Gunter	EVRF2019 as new realization of the European Vertical Reference System
10:15 – 10:30	KOLLO Karin et al.	Multi-year solution for the ESTPOS network
10:30 – 11:00	COFFEE BREAK	
11:00 – 11:45	Session 1: SYSTEMS: ETRS89, EVRS	Chair: Zuheir Altamimi
11:00 – 11:30	LEGRAND Juliette, BRUYNINX Carine	Reference Frame Coordination Status Report: EPN Multi-year Position/Velocity Product
11:30 – 11:45	STEFFEN Rebekka et al.	Towards a Deformation Model for Europe using least-square collocation



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11:45 – 12:30	Introduction to Poster Session (2 min each)	Chair: Karin Kollo
12:30 – 13:30	LUNCH BREAK	
13:30 – 15:00	Session 2: NETWORKS: EPN, UELN, DENSIFICATION	Chair: Elmar Brockmann
13:30 – 14:00	BRUYNINX Carine et al.	EPN data quality in a multi-GNSS environment
14:00 – 14:15	LAHTINEN Sonja et al.	NKG GNSS Analysis Centre: ITRF2014 densification for the Nordic and Baltic countries
14:15 – 14:30	CAPORALI Alessandro, ZURUTUZA Joaquin, BERTOCCO M.	The Analysis of the Italian GNSS Network at the University of Padova: ETRS89 densification and Scientific GNSS Backbone Network
14:30 – 14:45	SANCHEZ-SOBRINO Jose et al.	Reprocessing of the Iberian network at IGE LAC
14:45 – 15:00	ZURUTUZA Joaquin, KENYERES Ambrus, LEGRAND, Juliette	Combining Igb08 and IGS14 normal equations: Impact on the cumulative time series caused by the switch from igs08.atx to igs14.atx
15:00 – 15:30	COFFEE BREAK	
15:30 – 17:15	Session 2: NETWORKS: EPN, UELN, DENSIFICATION (cont'd)	Chair: Lennard Huisman
15:30 – 15:45	LIWOSZ Tomasz, ARASZKIEWICZ Andrzej	Report of the EPN Analysis Centres Coordinator: inclusion of Galileo in EUREF coordinate products
15:45 – 16:00	ZURUTUZA Joaquin et al.	Present Day Geokinematics of Central Europe Part 1: the Central European GNSS Research Network (CEGRN)
16:00 – 16:15	BROCKMANN Elmar et al.	Towards a European Dense Velocities Field as a basis for Maintaining the European Reference Frame
16:15 – 16:30	KENYERES Ambrus, ZURUTUZA Joaquin, MAGYAR B.	EPN Densification - towards the exploitation
16:30 – 16:45	PACIONE Rosa	Report of the Troposphere Coordinator
16:45 – 17:00	SÖHNE Wolfgang	EPN Real-Time Special Project – Status Report
17:00 – 17:15	OJA Tonis	EG2000 – the new gravity reference frame of Estonia
19:00 – 21:00	GET TOGETHER	



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Day 2 (Thursday, May 23)

Session 3: TECHNIQUES: GNSS, LEVELLING, COMBINATION		
09:00 – 10:30		Chair: Martina Sacher & Rolf Dach
09:00 – 09:15	ALBERTS Bas, HUISMAN Lennard	Height datum modernization based on GNSS leveling
09:15 – 09:30	AL AL-KHERAYEF O., GREBENITCHARSKY R.	The Kingdom of Saudi Arabia Geodetic and Vertical Reference Frames – the main Components of National Spatial Reference System
09:30 – 09:45	DYKOWSKI Przemyslaw et al.	Towards the establishment of the Absolute Gravity Network Ireland
09:45 – 10:00	FERIANC Martin, SMOLIK Karol	Experience with GNSS Data Quality Monitoring of the SKPOS Reference Stations
10:00 – 10:15	RIECKEN Jens	Germany: Integrated Geodetic Spatial Reference 4.0
10:15 – 10:30	DOUSA Jan et al.	GOP real-time analyses and data quality for Europe

10:30 – 11:00 COFFEE BREAK

Session 3: TECHNIQUES: GNSS, LEVELLING, COMBINATION (cont'd)		
11:00 – 12:00		Chair: Martina Sacher & Rolf Dach
11:00 – 11:15	KERSTEN Tobias et al.	Consistency and impact of mixed receiver antenna phase centre models in regional GNSS networks
11:15 – 11:30	HÄKLI Pasi et al.	New horizontal intraplate velocity model for Nordic and Baltic countries

11:30 – 12:00 Session 5: NATIONAL REPORTS

11:30 – 12:00		Chair: Jan Krynski & Karin Kollo
11:30 – 12:00	National Reports	National Reports #01 to #24

12:00 – 13:00 LUNCH BREAK

13:00 – 15:00 Session 5: NATIONAL REPORTS

13:00 – 15:00		Chair: Jan Krynski & Karin Kollo
13:00 – 15:00	National Reports	National Reports #01 to #24

15:00 – 15:30 COFFEE BREAK



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15:30 – 16:00	Session 4: APPLICATIONS: EARTH SCIENCES, GEO- INFORMATION	Chair: Alessandro Caporali
15:30 – 15:45	POST Pii, RANNAT Kalev, KEERNIK Hannes (invited)	Characterizing atmospheric humidity in Eastern Europe during the last two decades by using GNSS-derived integrated water vapour
15:45 – 16:00	MITTERSCHIFFTHALER Philipp, BLAUENSTEINER Franz	BEV Transformator - Coordinate Transformation Tool
16:00 – 17:00	Poster Session + WG on Dense Velocities Splinter Meeting	Chair: Karin Kollo
16:00 - 17:00	Poster Session	WG on Dense Velocities Splinter Meeting
18:00 - 19:00	CITY TOUR	
19:00 – 22:00	CONFERENCE DINNER	



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Day 3 (Friday, May 24)

09:00 – 10:30 **Session 4: APPLICATIONS:
EARTH SCIENCES, GEO-
INFORMATION (cont'd)** **Chair: Christof Völksen**

09:00 – 09:30	STEFFEN Holger (invited)	Glacial Isostatic Adjustment in Europe - how much do we know and how accurate can we describe this signal?
09:30 – 09:45	CAPORALI Alessandro et al.	Present Day Geokinematics of Central Europe Part 2: Selected profiles
09:45 – 10:00	VOELKSEN Christof et al.	Recent Crustal Deformation of the Alps derived from GNSS observations
10:00 – 10:15	CAPORALI Alessandro, ZURUTUZA Joaquin, BERTOCCO M.	A time dependent model of elastic stress in the Central Apennines, Italy
10:15 – 10:30	VAHTER Kaimo, ZAITSEVA-PÄRNASTE Inga	Sea Level Network in Estonia and its Applications in Supporting Marine Science, Hydrographic Works and Safety of Navigation

10:30 – 11:00 **COFFEE BREAK**

11:00 – 12:00 **Session 4: APPLICATIONS:
EARTH SCIENCES, GEO-
INFORMATION (cont'd)** **Chair: Christof Völksen**

11:00 – 11:15	BRUYNINX Carine et al.	On the Future High-Precision European GNSS CORS Infrastructure
11:15 – 11:30	VEDEL Henrik et al.	On E-GVAP (EUMETNET GNSS Water Vapour programme)
11:30 – 11:45	GREAVES Mark, CRUDDACE Paul	The Astigan High Altitude Pseudo-Satellite (HAPS) platform
11:45 – 12:00	ELLMANN Artu, OJA Tõnis	New 5 mm geoid model for Estonia

12:00 – 12:30 **Closing Session** **Chair: Markku Poutanen**

12:00 – 12:10	GREAVES Mark et al.	EUREF Resolutions 2019
11:10 – 12:20		Invitation to the 2020 Symposium
12:00 – 12:30	POUTANEN Markku	Closing Remarks

12:30 – 13:30 **LUNCH BREAK**



Days 1 - 3 (Wednesday, May 22, to Friday, May 24)

Poster Session

Chair: Karin Kollo

P01	POUTANEN Markku et al.	Present and future of European reference frames – (more than) 30 years of EUREF
P02	JIVALL Lotti et al.	Maintenance of the National Realization of ETRS89 in Sweden: re-analysis of 20 years' GPS data for SWEREF stations
P03	STAMATOVIĆ Biljana et al.	Joining to EUREF permanent network with Multi GNSS CORS stations in Montenegro
P04	ARASZKIEWICZ Andrzej, KILISZEK Damian	Comparison of the regional solutions using GPS and Galileo data
P05	GORSHOV V. et al.	The Database of GNSS Station Velocities on the East European Craton
P06	METSAR Jaanus et al.	Multi-epoch GNSS campaigns of the national geodetic network in Estonia
P07	KENYERES Ambrus et al.	EPN Densification: Continuation and Exploitation
P08	FABIAN Andras et al.	New Functionalities in M3G - Metadata Management System for Multiple GNSS Networks.
P09	KRZAN G., DAWIDOWICZ K., WIELGOSZ P.	Robot vs chamber calibration-derived antenna PCC models differences and their impact on GNSS positioning
P10	QUINTANA-SALAZAR U. et al.	GNSS Analyses at the National Geographic Institute of Spain. Scientific projects and impact of including Galileo observables in
P11	LIIBUSK Aive et al.	Absolute Sea-Level Rise on the Estonian Coast Based on the GNSS and Tide Gauge Time Series
P12	KENYERES Ambrus et al.	EUREF's pan-European Geodetic Infrastructures in Support of Geosciences
P13	KAMINSKIS Janis et al.	From traditional levelling to combinations of different epoch geodetic data in Western Latvia
P14	VARNA Inese, HARITONOVA Diāna, BALODIS Jānis	Latvian CORS Time Series Analysis for 2011-2018
P15	MANSOURIAN A. et al.	Geospatial Methods: Introduction into International Educational Courses in Environmental Protection and Disaster Risk Management
P16	PUKITE Vivita, CINTINA Vita, CELMS Armands	Results of Project - Creation of Joint GI Education to Increase Job Opportunities in the Region



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P17	OLSSON Per-Anders et al.	NKG2016LU_gdot – a new model of the postglacial gravity change in Fennoscandia
P18	KAPŁON Jan et al	High frequency precise displacement monitoring with GNSS techniques during mining seismic events
P19	VARBLA Sander et al	GNSS and ALS validation of marine geoid models
P20	PARSELIUNAS Eimuntas et al.	Promoting of the Geospatial Methods: Introduction Into International Educational Courses in Environmental Protection and Disaster Risk Management



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