

# WEDNESDAY 4 September 2024

12:20 14:00 01:40 **Lunch**

## Rondelet: Session 12.1 - IDS Workshop - DORIS network and constellation: status and evolution

**Co-chairs: Cécile Manfredi, Jérôme Saunier**

14:00	14:05	5	Welcome		
14:05	14:20	15	IDS NEWS	Laurent Soudarin	CLS
			Soudarin L (1), Boniface C (2), Lemoine F (3), Moreaux G (1), Saunier J (4) (1)CLS, (2)CNES, (3)NASA/GSFC, (4)IGN		
14:20	14:35	15	DORIS SYSTEM STATUS IN 2024 AND FUTURE PROSPECTS	Cécile Manfredi	CNES
			Didelot F (1), MANFREDI C (1) (1)Cnes		
14:35	14:50	15	DORIS NETWORK 2024 STATUS REPORT	Jérôme Saunier	IGN
			Saunier J (1) (1)IGN		
14:50	15:10	20	QUALITY ASSESSMENT OF DORIS STATIONS ENVIRONMENT BASED ON POD RESIDUALS AND SIGNAL INTENSITY VARIATIONS	Philippe Yaya	CLS
			Yaya P (1) (1)CLS		
15:10	15:25	15	DORIS STATIONS CO-LOCATION: STATUS AND RESULTS	Jérôme Saunier	IGN
			Saunier J (1), Moreaux G (2), Garcia V (3), Pesce D (1) (1)IGN, (2)CLS, (3)CNES		
15:25	15:30	5	POSTER: Co-located space geodetic techniques observatory in India: progress toward installation of the IDS scientific station	Vikash Kumar	Indian Institute of Technology
			Goyal R (1), Saunier J (2), Kumar V (1), Dikshit O (1), Balasubramanian N (1) (1)Indian Institute of Technology, Geoinformatics, Civil Engineering Department, Kanpur, India , (2)IGN		
15:30	15:35	5	POSTER: NASA's CDDIS: 2024 Status Update	Taylor yates	CDDIS
			Yates T (1) (1)CDDIS		

15:40 16:10 30 **Coffee Break**

## Rondelet: Session 12.2 - IDS Workshop - IDS processing and Terrestrial Reference Frame

**Co-chairs: Petr Stepanek, Guilhem Moreaux**

16:10	16:30	20	ITRF2020 UPDATES AND THE IDS CONTRIBUTION	Zuheir Altamimi	IGN-IPGP
			Altamimi Z (1), Rebischung P (1), Collilieux X (1), Métivier L (1), Chanard K (1) (1)IGN-IPGP		
16:30	16:45	15	DTRF2020 UPDATE: CHALLENGES AND FIRST RESULTS	Manuela Seitz	DGFI-TUM
			Seitz M (1), Bloßfeld M, Glomsda M, Angermann D, Rudenko S, Zeithöfler J (1)DGFI-TUM		
16:45	17:00	15	DORIS EVALUATION OF THE FIRST ITRF2020 UPDATE	Guilhem Moreaux	CLS
			Moreaux G (1) (1)CLS		
17:00	17:15	15	RECENT UPDATES AT THE GSC DORIS ANALYSIS CENTER	Frank Lemoine	CNES
			Lemoine F (1), Chinn D (2), (1), Zelensky N (3), (1), Yang X (2), (1) (1)NASA Goddard Space Flight Center, (2)KBR Inc., (3)ESSIC/University of Maryland		
17:15	17:30	15	GOP ANALYSIS CENTER: DORIS DATA ANALYSIS STRATEGY AND INNOVATIONS	Petr Stepanek	VUGTK
			Stepanek P (1), Filler V (1), Kumar V (2) (1)Reseach Institute of Geodesy, Topography and Cartography, (2)Indian Institute of Technology		
17:30	17:45	15	LATEST CNES/CLS IDS ANALYSIS CENTER SOLUTION UPDATES	Hugues Capdeville	CLS
			Capdeville H (1), Mezerette A (1), Lemoine J (2) (1)CLS, (2)CNES		

19:30 23:00 **GALA DINNER**

## THURSDAY 5 September 2024

### Rondelet: Session 12.3 - IDS Workshop - Precise Orbit Determination and advances in dynamic force and observable modelling

**Co-chairs: Frank Lemoine, Alexandre Couhert**

08:30	08:50	20	DORIS PROCESSING USING FOCUSPOD Fernandez C (1), Fernandez M (1), Varela M (1), Fernandez J (1), Peter H (2), Femenias P (3), Nogueira-Loddo C (4) (1)GMV Aerospace & Defence, (2)PosiTim, (3)ESA/ESRIN, (4)EUMETSAT	Carlos Fernandez	GMV Aerospace & Defence
08:50	09:10	20	PROGRESS REPORT AND LESSONS LEARNED FROM DEVELOPING A DORIS POD SOFTWARE Papanikolaou X (1), Tsakiri M (1), Nahmani S (2), Pollet A (2), Anastasiou D (1), Zacharis V (1) (1)National Technical University of Athens (NTUA), Dionysos Satellite Observatory, (2)Université de Paris, Institut de Physique du Globe de Paris (IPGP)	Maria Tsakiri	National Technical University of
09:10	09:30	20	IMPROVEMENTS IN THE PRECISE ORBIT DETERMINATION USING DORIS AND LASER DATA FOR CRYOSAT-2 Schrama E (1), Visser P (1) (1)Delft University Of Technology	Ernst Schrama	Delft University of Technology
09:30	09:50	20	IMPACT OF THE SOUTH-ATLANTIC ANOMALY RADIATIONS ON DORIS ULTRA-STABLE OSCILLATOR: RESULTING EFFECTS ON DORIS MEASUREMENTS AND ORBIT DETERMINATION FOR SENTINEL-3A AND SENTINEL-6A Nilsson B (1), Andersen O (1) (1)DTU Space, National Space Institute	Théo Gravalon	CELAD/CLS
09:50	10:10	20	PRECISE ORBIT DETERMINATION OF ALTIMETRY SATELLITES USING DORIS AND SLR OBSERVATIONS IN DIFFERENT REFERENCE FRAME REALISATIONS Zeitlhöfler J (1), Bloßfeld M (1), Rudenko S (1) (1)DGFI-TUM	Julian Zeitlhöfler	DGFI-TUM

10:10 10:40 30 **Coffee Break**

### Rondelet: Session 12.3 - IDS Workshop - Precise Orbit Determination and advances in dynamic force and observable modelling

**Co-chairs: Frank Lemoine, Alexandre Couhert**

10:40	11:00	20	THREE DECADES OF ALTIMETRY ORBITS: CONSISTENT DORIS-BASED ORBIT SERIES AND VALIDATION Schreiner P (1), Reinhold A (1), Schöne T (1), Esselborn S (1), König R (2) (1)Helmholtz Centre Potsdam, GFZ German Research	Patrick Schreiner	Helmholtz Centre Potsdam, GFZ German Research Centre for
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### Rondelet: Session 12.4 - IDS Workshop - Research activities and new applications using DORIS data, or new methods of processing DORIS data

**Co-chairs: Karine Le Bail, Ningbo Wang**

11:00	11:20	20	DSO DORIS ANALYSIS SOFTWARE INTERMEDIATE OUTCOMES Serelis G (1), Anastasiou D (1), Papanikolaou X (1), Tsakiri M (1), Zacharis V (1), Krey V (1) (1)National Technical University of Athens, Dionysos Satellite Observatory	Maria Tsakiri	National Technical University of
10:52	11:40	20	EVALUATING WEIGHTING STRATEGIES IN DORIS MEASUREMENT PROCESSING FOR GEODETIC APPLICATIONS Nahmani S (1), (2), Pollet A (1), (2), Bertiger W (3), Rebischung P (1), (2), Lion G (1), (2) (1)Université Paris Cité, Institut de physique du globe de Paris, CNRS, IGN, (2)Univ Gustave Eiffel, ENSG, IGN, (3)Jet Propulsion Laboratory, California Institute of Technology	Samuel Nahmani	IGN - IPGP - CNRS
11:04	12:00	20	EXPLORING STRATEGIES FOR AN OPTIMAL COMBINATION OF MONO-SATELLITE DORIS SOLUTIONS Le Bail K (1), Lemoine F, Moreaux G (1)Chalmers University Of Technology / Onsala Space Observatory	Katerine Le Bail	Chalmers University Of Technology / Onsala Space
12:00	12:20	20	ESTIMATION OF THE LENGTH OF DAY (LOD) FROM DORIS OBSERVATIONS Kumar V (1), Stepanek P (2), Filler V (2), Dikshit O (1), Balasubramanian N (1) (1)Indian Institute of Technology, Geoinformatics, Civil Engineering Department, Kanpur, India , (2)Research Institute of Geodesy, Topography and Cartography	Vikash Kumar	Indian Institute of Technology

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**Rondelet: Session 12.4 - IDS Workshop - Research activities and new applications using DORIS data, or new methods of processing DORIS data****Co-chairs: Karine Le Bail, Ningbo Wang**

14:00	14:20	20	EVALUATION OF THE ZHD TROPOSPHERIC MODELLING WITH VMF1 ON DORIS ORBITS AND STATION COORDINATES Banos Garcia A (1) (1)CLS	Adrian Banos Garcia	CLS
14:20	14:40	20	THE COOPERATIVE GLOBAL IONOSPHERIC MAP USING NEAR-REAL-TIME DORIS DATA Liu A (1), Wang N (1), Li Z (1) (1)Aerospace Information Research Institute Chinese Academy Of Sciences	Ang Liu	Aerospace Information Research Institute Chinese Academy Of
14:40	15:00	20	EFFECT OF THE SECOND ORDER IONOSPHERIC DELAY ON PRECISE ORBIT DETERMINATION OF DORIS SATELLITES AND ON THE CNES/CLS IDS ANALYSIS CENTER SOLUTION Mezerette A (1), Capdeville H (1), Lemoine J (2) (1)Cls, (2)CNES	Adrien Mezerette	CLS
15:00	15:20	20	CONTRIBUTION OF DORIS SYSTEM TO GLOBAL IONOSPHERIC SCINTILLATION MAPPING Cherrier M (1), Yaya P (1) (1)CLS	Marie Cherier	CLS
15:40	16:10	30	<b>Coffee Break</b>		

**Rondelet: IDS Governing Board**

16:10	18:15		<b>IDS Governing Board</b>		
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