

# ENC 2023 Program



Tuesday, 30 May 2023	
14:00 - 14:40	EJN (European Journal of Navigation - editor Bernd Martens)
14:40 - 15:00	Coffee/Tea break
15:00 - 16:00	EUGIN Council & General Assembly (European Group of Institutes of Navigation - chair Terry Moore, secretary Tom Willems)
16:00 - 16:30	Coffee/Tea Break
16:30 - 17:30	IAIN Officers' Meeting (International Association of Institutes of Navigation - chair Krzysztof Czaplewski, sec.gen Hesham Helal)
18:00 - 19:30	Icebreaker Reception

Wednesday, 31 May 2023				
Highbay				
9:20	Introduction (movie)			
10:00 - 11:00	Plenary - Opening NL Minister of Transport directors of ESTEC and EUSPA			
11:00 - 11:40	Coffee break			
11:40 - 13:00	Plenary - Keynotes			
13:00 - 14:30	Lunch break			
	Newton 1	Newton 2	Highbay	Auditorium
Track	1. GNSS and Hybridized Position determination	1. GNSS and Hybridized Position determination	1. GNSS and Hybridized Position determination	1. GNSS and Hybridized Position determination
14:30 - 15:40	3. Performance monitoring/assessment/prediction	5. Multisensor position estimation/augmented position estimation	1. Interference/Jamming detection/mitigation	7. GNSS signal processing techniques
15:40 - 16:10	Coffee Break			
Track	1. GNSS and Hybridized Position determination	1. GNSS and Hybridized Position determination	1. GNSS and Hybridized Position determination	1. GNSS and Hybridized Position determination
16:10 - 17:30	3. Performance monitoring/assessment/prediction	5. Multisensor position estimation/augmented position estimation	1. Interference/Jamming detection/mitigation	3. Performance monitoring/assessment/prediction
19:00 - 23:00	Beach Dinner			

Thursday, 1 June 2023					
Highbay					
9:00 - 09:40	Plenary Moon Navigation				
	Newton 1	Newton 2	Einstein	Highbay	Auditorium
Track	1. GNSS and Hybridized Position determination	3. AI, machine learning, simulation and testing in navigation	1. GNSS and Hybridized Position determination	2. Extra terrestrial navigation	1. GNSS and Hybridized Position determination
10:00 - 11:00	4. Alternative Position estimation concepts/techniques/results	11. Use of AI/machine learning	1. Interference/Jamming detection/mitigation	16. Extraterrestrial position determination	8. Integrity monitoring/prediction
11:00 - 11:40	Coffee break				
Track	1. GNSS and Hybridized Position determination	3. AI, machine learning, simulation and testing in navigation	1. GNSS and Hybridized Position determination	2. Extra terrestrial navigation	1. GNSS and Hybridized Position determination
11:40 - 13:00	4. Alternative Position estimation concepts/techniques/results	11. Use of AI/machine learning	1. Interference/Jamming detection/mitigation	16. Extraterrestrial position determination	10. Accuracy – precise position estimation
13:00 - 14:30	Lunch break				
Track	1. GNSS and Hybridized Position determination	3. AI, machine learning, simulation and testing in navigation	1. GNSS and Hybridized Position determination	4. Integral navigation system considerations	1. GNSS and Hybridized Position determination
14:30 - 15:40	4. Alternative Position estimation concepts/techniques/results	17. Developments in Simulation/Test/Analysis/Toolsets	2. Spoofing/Meaconing detection/mitigation	14. Reference trajectory definition/optimization	10. Accuracy – precise position estimation
15:40 - 16:10	Coffee Break				
Track	1. GNSS and Hybridized Position determination	4. Integral navigation system considerations	1. GNSS and Hybridized Position determination	4. Integral navigation system considerations	1. GNSS and Hybridized Position determination
16:10 - 17:30	4. Alternative Position estimation concepts/techniques/results	15. End to end navigation systems	2. Spoofing/Meaconing detection/mitigation	14. Reference trajectory definition/optimization	10. Accuracy – precise position estimation
17:30 - 22:30	Canal Cruise				

Friday, 2 June 2023				
Highbay				
09:00 - 09:40	Plenary - LEO Panel			
	Newton 1	Newton 2	Highbay	Auditorium
Track	1. GNSS and Hybridized Position determination	4. Integral navigation system considerations	5. LEO PNT related developments in position determination	1. GNSS and Hybridized Position determination
10:00 - 11:00	4. Alternative Position estimation concepts/techniques/results	15. End to end navigation systems	13. LEO PNT related	10. Accuracy – precise position estimation
11:00 - 11:40	Coffee break			
Track	1. GNSS and Hybridized Position determination	4. Integral navigation system considerations	5. LEO PNT related developments in position determination	1. GNSS and Hybridized Position determination
11:40 - 13:00	9. Propagation/error models (atmospheric models etc.)	15. End to end navigation systems	13. LEO PNT related	10. Accuracy – precise position estimation
13:00 - 14:00	Plenary - Closing session			
14:00 - 15:00	Lunch break			