
CURRICULUM VITAE

Samuel NAHMANI (PhD)

Candidate for the Analysis Center Representative to the IDS GB



CIVIL STATUS

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Research Topics

- Development of methodologies for processing GNSS and DORIS spatial geodesy measurements.
- Comprehensive analysis of uncertainties in GNSS and DORIS data, particularly in station position estimations, wet tropospheric delays, and tropospheric gradients.
- Application of these methodological insights in geophysics, with a special emphasis on the water cycle, including tropospheric water vapor and hydrology-related deformations.

International Organizations

Since 2020, Associate at the International DORIS Service (IDS) – IGN-IPGP analysis center.

National Organizations

Since 2023, General Secretary of the national committee representing France in the International Union of Geodesy and Geophysics (IUGG).

Supervision of Researchers in Early Career Phases

Supervisor of 27 Master's theses (ENSG, IPGP, Université Paris Cité) since 2012 and co-supervisor of 1 doctoral (Ph.D.) thesis on the DORIS technique.

Teaching Experience

- Master M2 Fundamentals of Remote Sensing (IPGP): Responsible for the course "Satellite Geodesy and Geophysical Applications" (30h/year) since 2019.
- Master PPMD (ENSG): Course on "Processing Phase Measurements" (24h/year) since 2023.
- Master "Big Data and Data Science in Finance" (ESGF): Course on Mathematics and Econometrics since 2018 (60h/year).
- Master PPMD (ENSG): Course on "GPS and Geophysics" (4h/year) from 2007 to 2018.
- Master STEP (IPGP, ENS, and P7): Course on "Introduction to GPS Data Processing" (35h/year) since 2012.

Expertise :

Year	Title
2024 Present	-Member of IAG working groups about tropospheric modelling Member of ESA DORIS working group for GENESIS mission.
2021- Present	Co-leader of a proposal that received funding from the CNES annual Call for Research Projects (APR), focusing on the DORIS technique.
2021 Present	-Member of a proposals that received funding from the CNES annual Call for Research Projects (APR), focusing on geodetic data assimilation (GEODESIE project) and on reference estimation for climate change studies (GéoSpaRC project).
2020- Present	Co-leader of the IGN-IPGP Analysis Center, part of the International DORIS Service.
2018- 2020	Leader of a funded proposal submitted to the CNES annual Call for Research Projects (APR) focusing on Bayesian methods to enhance space geodesy data processing.
2007- 2017	Member of the EU COST Action ES1206 GNSS4SWEC (Advanced Global Navigation Satellite Systems tropospheric products for monitoring severe weather events and climate) Working Group 1 (Advanced GNSS Processing Techniques) and Working Group 3 (GNSS for climate).
2007- 2012	Participant in national and international research field campaigns with GNSS : AMMA (West Africa, 2004-2012), COPS (France-Germany, 2007), Manitoul (France, 2009)