

Christos Ntinios

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WORK EXPERIENCE

- Jan 2026 – present** **Ingénieur Pédagogique, Institut de physique du globe de Paris (IPGP), France**
Research (50%) and Pedagogical (50%) Engineer in the Planetary and Space Science (PSS) Group
- Apr 2025 – Dec 2025** **Satellite Image Processing Engineer, Open Cosmos, Athens, Greece**
Payload Data Ground Segment (PDGS), Data Processing
- Processing cubesat Earth observation images (optical and multispectral) from L0 to L2A
 - Technical and scientific support of missions under development: 1) HELEO Earth observation constellation of seven microsats for the Greek Government and 2) NanoMagSat geophysics constellation of three 16U cubesats for IPGP
- 2020 - 2021** **Engineering Data Analyst, METIS Cyberspace Technology, Athens, Greece**
- Engineering data analytics for the maritime industry
 - Machine learning predictive models
 - Python applications for big data analysis in Databricks
- Jun 2018 - Nov 2018** **Internship, European Space Astronomy Centre (ESAC), ESA, Madrid, Spain**
JUICE Science Operations Centre
Project: "Developing a SPICE-based tool in Python for predicting the surface coverage of the remote sensing instruments of the JUpiter ICy moons Explorer (JUICE)"
Supervisor: [Dr. Nicolas Altobelli](#), Operations Department, Directorate of Science

EDUCATION

- 2021 - 2024** **PhD in Earth and Environment Science**
1 rue Jussieu, 75005 Paris, France
Institut de physique du globe de Paris (IPGP), Université Paris Cité (UPC)
Planetary and Space Science (PSS) Group
Project: "Development of super-resolution mapping methods for icy moons: Application on Enceladus, in preparation for future observations by the ESA JUICE mission."
Supervisor: [Dr. Sébastien Rodriguez](#) (co-funded by ESA/ESAC)
Co-supervision of two individual master and one engineering group internships
- 2017 - 2018** **Master of Science in Space Studies, International Space University**
1 rue Jean-Dominique Cassini, 67400 Illkirch-Graffenstaden, France
Individual Project: "Aspects of technology requirements for future Titan and Enceladus surface and sub-surface exploration", Supervisor: [Prof. Hugh Hill](#), Grade: A
- 2011 - 2017** **School of Mechanical Engineering, National Technical University of Athens**
9, Iroon Polytechniou str, 15780 Zografou, Athens, Greece
Air and Ground Vehicles Specialisation
Diploma in Mechanical Engineering, Grade: 8.82/10, June 2017
Diploma Thesis: "Optimum Trajectories for the Dynamic Parameter Identification of Space Robotic Systems and Experimental Results", Supervisor: [Prof. Evangelos Papadopoulos](#), [Control Systems Lab](#)
- 2011** **Panhellenic University Entrance Exams**
High Score (19,713/20,000)
1st to be accepted (out of 110) in the school of Mechanical Engineering, National Technical University of Athens (NTUA)
- 2008 - 2011** **2nd Glyka Nera High School, Glyka Nera, Greece**
High School Diploma (Apolytiro), June 2011, Mark: 19.8/20

PROFESSIONAL EXPERTISE

- 2022 - present** **JUICE MAJIS WG2 next-gen member**
Participation in the technical and scientific meetings in preparation for the JUICE MAJIS observations of the Jupiter system.
- 2020 - 2023** **Europlanet Early Career (EPEC) Network**
EPEC - EPSC (Europlanet Science Congress) Working Group
- Apr 2019 & Apr 2020** **Visiting Lecturer, International Space University (ISU)**
Astrobiology Elective, Lecture: "Ocean worlds in our solar system and the necessary instruments for detecting life", Workshop: "Using the SPICE-based WebGeocalc tool to schedule and analyse the remote sensing activities of a planetary mission"
- Jun 2016 - Jun 2017** **TEDxNTUA 2017 Organizing Team**
Speakers Team, Event Date: 21/01/2017, Theme: "Heuristics", Location: Athens Conservatoire, Athens, Greece

LINGUISTIC COMPETENCE

- Mother tongue** Greek
- Other languages** English (Certificate of Proficiency in English, University of Cambridge – C2, June 2009, Grade A)
French (DELF B2 Tout public, May 2022, Note Finale: 68.5/100)
Japanese (Japanese-Language Proficiency Test N5, December 2016, Total Score 148/180)
Spanish (B1 self-evaluation)

DIGITAL COMPETENCE

- Programming Languages** Python, Matlab, IDL
- Data Analysis** SPICE (Diploma of SPICE training, ESAC, June 2018), ISIS, Tableau, Databricks Apache Spark
- GIS** QGIS
- Orchestrators** Argo Workflows
- CAD Software** Solidworks

ADDITIONAL INFORMATION

- Honours and awards**
- Representation of Greece in the Summer School Alpbach 2024 (sponsored by the Hellenic Space Center)
 - French Government Scholarship, Bourses de Couverture Sociale (BCS, 2017)
 - International Space University Scholarship provided by ESA (2017)
 - NTUA Award for admission to the School of Mechanical Engineering (1st place, 2011)
 - State Scholarship Foundation Scholarship (1st place, 2011)
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 - Eurobank Award for the 2nd Glyka Nera High School Student with the highest score in the Panhellenic University Entrance Exams (2011)
 - Municipality of Paiania Scholarship (1st place among all municipality students in 2011)