



Jue Lin-Ye

Nationality: Spanish | **Gender:** Female | **Phone number:** (+34) 671905896 (Work) | **Email address:**

jue.lin@nowsystems.eu | **Address:** Paseo de las Delicias, 30. 2nd floor, Office 3.5, 28045, Madrid, Spain (Work)

● WORK EXPERIENCE

01/01/2023 – CURRENT Madrid, Spain

SENIOR OCEANOGRAPHER NOW SYSTEMS

-Same tasks as in Nologin

15/12/2021 – 31/12/2022 Madrid, Spain

OCEANOGRAPHER NOLOGIN

Support to the new Copernicus Marine (CMS) Sea Level Reprocessing Product, available at CMS INS-TAC, coordinated by Dr. Begoña Pérez-Gómez (see Lin-Ye et al. 2023 in publications):

Main Tasks:

- Reprocessing and analysis the CMS Sea Level Product (global coverage). Quality Control and Data harmonisation of several tide gauge networks.
- Developer and maintainer of the SELENE open software for sea level Quality Control.
- Support in writing the Quality Information Document and the Synthesis Quality Overview Document for the reprocessed sea level product of the Copernicus Marine Service.

H2020 - EuroSea Project

- Development of a new module for Quality Control of sea level from GNSS measurements.

10/07/2018 – 10/07/2021 Madrid, Spain

RESEARCH ENGINEER LABORATORIO DE INGENIERÍA MARÍTIMA

SAMOA2 - Puertos del Estado

- Support to the oceanographic monitoring network at Puertos del Estado (tidal stations and buoys).

Main tasks: Quality Control of the observations, Data Analysis, Reporting and Scientific Dissemination (see de Alfonso et al. 2021, Lorente et al. 2021, Lin-Ye et al. 2020a).

01/09/2013 – 09/07/2018 Barcelona, Spain

RESEARCH ENGINEER LABORATORIO DE INGENIERÍA MARÍTIMA

- Experience in coastal modelling and assessment of Nature Based Solutions (see Sierra et al. 2023, Grases et al. 2020).

- - Experience in data analysis and modelling at coastal environments, with strong focus on NW Mediterranean (see Lin-Ye et al. 2016, 2017) and Black Sea (Lin-Ye et al. 2018).

- Participation in R+D projects:

* 2013 - 2016: FP7 RISES-AM- (Responses to coastal climate change: Innovative Strategies for high End Scenarios - Adaptation and Mitigation-)

* 2013 - 2015: DG-ECHO iCoast - Integrated Coastal Alert system

* 2016 - 2019: H2020 CEASELESS (Copernicus Evolution and Applications with Sentinel Enhancements and Land Effluents for Shores and Seas)

* 2018 - 2020: COBALTO (Spanish National Project - Soluciones Basadas en la Naturaleza para la gestión costera; Nature based solutions for coastal management)

01/04/2013 – 30/07/2013 Barcelona, Spain

PROJECT MANAGEMENT TRAINEE CENTRO DE TRANSFERENCIA DE TECNOLOGÍA, UNIVERSITAT POLITÈCNICA DE CATALUNYA

01/06/2010 – 28/02/2013 Bellaterra, Spain

CHINESE QUALITY CERTIFICATE ADVISING TRAINEE APPLUS LABORATORIES

● EDUCATION AND TRAINING

01/04/2014 – 09/07/2018 Barcelona, Spain

PHD IN CIVIL ENGINEERING Universitat Politècnica de Catalunya

Awarded Polytechnical University of Catalonia's Extraordinary Prize for PhD theses, 2018's edition, in the field of Civil Engineering.

Final grade Cum Laude

01/09/2006 – 30/07/2013 Barcelona, Spain

INGENIERÍA DE CAMINOS, CANALES Y PUERTOS (BSC AND MSC IN CIVIL ENGINEERING) Universitat Politècnica de Catalunya

01/07/2010 – 30/07/2010 Barcelona, Spain

SHORT COURSE ON COMPOSITIONAL DATA ANALYSIS Centro Internacional en Métodos Numéricos en la Ingeniería

● LANGUAGE SKILLS

Mother tongue(s): **MANDARIN CHINESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
SPANISH	C2	C2	C2	C2	C2
CATALAN	C2	C2	C2	C2	C2
ENGLISH	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Python | Fortran | Shell scripting | R | Matlab | SPSS | SQL | GiT | arcGIS | SWAN | LaTeX | ITEC-TCQ | HTML | Javascript | CSS | AJAX | PHP

● ADDITIONAL INFORMATION

Main publications in scientific journals with peer review

- Lin-ye, J., Pérez Gómez, B., Gallardo, A., Manzano, F., de Alfonso, M., Bradshaw, E., & Hibbert, A. (2023). Delayed-mode reprocessing of in situ sea level data for the Copernicus Marine Service. *Ocean Science*, 19(6), 1743-1751.
- Sierra, J. P., Gracia, V., Castell, X., García-León, M., Mösso, C., & Lin-ye, J. (2023). Potential of transplanted seagrass meadows on wave attenuation in a fetch-limited environment. *Journal of Marine Science and Engineering*, 11(6), 1186.
- Álvarez Fanjul, E., Pérez Gómez, B., Alonso Muñoz, M. D. A., Lorente Jiménez, P., García Sotillo, M., Lin Ye, J., ... & Mösso Aranda, C. (2022). Copernicus Ocean State Report, issue 6. Chapter 4: Specific events during the year 2020. *Journal of operational oceanography*, 15(supplement 1), s151-s220.
- De Alfonso, M., Lin-ye, J., García-Valdecasas, J.M., Pérez-Rubio, S., Luna, M.Y., Santos-Muñoz, D., Ruiz, M.I., Pérez-Gómez, B. and Álvarez-Fanjul, E. (2021). Storm Gloria: Sea State Evolution Based on in situ Measurements and Modeled Data and Its Impact on Extreme Values. *Frontiers in Marine Science*, 8, p. 270.
- Lorente, P., Lin-ye, J., García-León, M., Reyes, E., Fernandes, M., Sotillo, M.G., Espino, M., Ruiz, M.I., Gràcia, V., Pérez, S. and Aznar, R. (2021). On the Performance of High Frequency Radar in the Western Mediterranean During the Record-Breaking Storm Gloria. *Frontiers in Marine Science*, 8, p. 205.
- Lin-ye, J., García-León, M., Gràcia, V., Ortego, M.I., Lionello, P., Conte, D., Pérez-Gómez, B., Sánchez-Arcilla, A. (2020). Modeling of future extreme storm surges at the NW Mediterranean Coast (Spain). *Water*, 12(2), p. 472.
- la Hausse de Lalouvière, C., Gràcia, V., Sierra, J.P., Lin-ye, J., García-León, M. (2020). Impact of Climate Change on Nearshore Waves at a Beach Protected by a Barrier Reef. *Water*, 12(6), 1681.
- Grases, A., Gràcia, V., García-León, M., Lin-ye, J., Sierra, J.P. (2020). Coastal Flooding and Erosion under a Changing Climate: Implications at a Low-Lying Coast (Ebro Delta). *Water*, 12(2), 346.

- Lin-ye, J., Pérez-Gómez, B., Álvarez-Fanjul, E., García-Valdecasas, J. (2020). The Huelva (Spain) tsunami- ready station and its interaction with Storm Emma (March 2018). *Marine Geodesy*, 43(5), 509–539.
- Lin-ye, J., García-León, M., Gràcia, V., Ortego, Stanica and Sánchez-Arcilla, A. (2018). Multivariate hybrid modelling of future wave-storms at the Northwestern Black Sea. *Water*, 10 (2). doi: 10.3390/w10020221
- Lin-ye, J., García-León, M., Gràcia, V., Ortego, M.I., Lionello, P. and Sánchez-Arcilla, A. (2017). Multivariate statistical modelling of future marine storms. *Applied Ocean Research*, 65: 192–205.
- Lin-ye, J., García-León, M., Gràcia, V., Sánchez-Arcilla, A. (2016). A multivariate statistical model of extreme events: an application to the Catalan coast. *Coastal Engineering*, 117: 138–156.

Congresses

- Lin-ye, J., Pérez Gómez, B., Bradshaw, E., Hibbert, A., Gallardo, A., Manzano, F. and De Alfonso, M. (2022). Automatized delayed-mode reprocessing of the CMEMS sea level measurements. *Encuentro de Oceanografía Física 2022*.
- Lin-ye, J., Sánchez-Arcilla, A., García-León M., Gràcia and Pallarès, E. (2018). Wave modelling as a tool to define the area of coastal influence. 25th WISE Conference.
- Lin-ye, J., Sánchez-Arcilla, A., Pallarès, E. and Espino, M. (2017). Spatial characterization of wave storms at the NW Mediterranean Sea. *International Workshop on Waves, Storm Surges and Coastal Hazard*.
- Marzeddu, A., Lin-ye, J., Gironella, X., Sánchez-Arcilla, A, López, J. Losada, I., Tomás, A., Álvarez, A. (2017). Mejora de la caracterización estadística del oleaje para aplicaciones de verificación probabilística de estructuras marítimas. *Jornadas Españolas de Ingeniería de Puertos y Costas*.
- Lin-ye, J., García, M., Gràcia, V., Sánchez-Arcilla, A. (2015). A multivariate model of NW Mediterranean extreme events at present and future climate: hydrodynamics, energy and duration. *Conference of the International Association for Mathematical Geosciences*.
- Pinyol, J., Garcia, M., Gonzalez, M., Lin-ye, J., Oller, P., Gràcia, V., Sánchez-Arcilla, A. (2015). Metodología para la delimitación de la zona de inundación del oleaje en el mapa para la prevención de riesgos geológicos de Cataluña. *Jornadas de Geomorfología Litoral*.
- Sanchez-Arcilla, A., Lin-ye, J., Sierra, J.P., Gracia, V., Casas, M., Virgili, M. (2014). Use of seagrass meadows as an adaptation measure to climate change for reducing port agitation. *European Geosciences Union General Assembly*.
- Lin-ye, J. (2013). Performance analysis of wastewater treatment in constructed wetlands. *International workshop on compositional data analysis*.
- Garcia, M. and Lin-ye, J. (2011). Testing water pollution in a two layer aquifer. *International workshop on compositional data analysis*.