

INFORMAZIONI PERSONALI

Anna Palla

Professore Associato

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Sesso F | Data di nascita 13/01/1981 | Nazionalità Italiana

ESPERIENZE ACCADEMICHE

01/10/2021- ad oggi

Professore Associato in Costruzioni Idrauliche, marittime e idrologia

Università degli Studi di Genova, Dip. di Ingegneria Civile, Chimica e Ambientale

- Interessi di ricerca (In the field *Urban Hydrology*: Design and management of urban drainage systems addressing resilience and sustainability; Low Impact Development (LID) practices /Green Infrastructure (GI) systems; Rainfall-runoff process and pollutant dynamics on urbanized areas and in drainage systems; Pluvial Flooding – in the field of *Watershed management*: Flood risk mitigation and resilient strategies; Semi-distributed hydrologic model and web-Gis applications; Hydropower potential assessment; Impact of rainfall and soil moisture in landslide forecasting)
- Insegnamenti (IDROLOGIA APPLICATA 5 credits, 50 hours; INFRASTRUTTURE IDRAULICHE 8 credits, 100 hours in co-teaching; DESIGN OF SUSTAINABLE URBAN DRAINAGE SYSTEMS 5 credits, 50 hours)
- Attività istituzionali (Membro del Collegio del Dottorato in “Risk and Resilience Engineering for the Natural, Industrialized and Built Environments” in the PhD program “Security, Risk and Vulnerability” of the University of Genova; Membro del Comitato di Curriculum per il Dottorato in “Fluid Dynamics and Processes of Environmental Engineering” PhD program in “Civil, Chemical and Environmental Engineering”, Università di Genova; Delegato per il Tirocinio del Corso di Laurea Magistrale in Ingegneria Civile, Università di Genova)
- Abilitazione Scientifica Nazionale al ruolo di Professore Ordinario nel settore CEAR-01/B (Nov 2023)

01/10/2018- 31/09/2021

Ricercatore a tempo determinato a tempo pieno (art. 24 c.3-b L.240/2010) in Costruzioni Idrauliche, marittime e idrologia

Università degli Studi di Genova, Dip. di Ingegneria Civile, Chimica e Ambientale

- Teaching (HYDROLOGY 5 credits, 50 hours; HYDRAULIC INFRASTRUCTURES 8 credits, 100 hours in co-teaching; DESIGN OF SUSTAINABLE URBAN DRAINAGE SYSTEMS + LABORATORY 5 credits, 50 hours in co-teaching)
- Managing duties (Member of the Curriculum Committee for the PhD curriculum “Risk and Resilience Engineering for the Natural, Industrialized and Built Environments” in the PhD program “Security, Risk and Vulnerability” of the University of Genova and for the PHD curriculum “Fluid Dynamics and Processes of Environmental Engineering” PhD program in “Civil, Chemical and Environmental Engineering”, Università di Genova)

01/12/2015- 31/09/2018

Ricercatore a tempo determinato a tempo pieno (art. 24 c.3-a L.240/2010) in Costruzioni Idrauliche, marittime e idrologia

Università degli Studi di Genova, Dip. di Ingegneria Civile, Chimica e Ambientale

01/04/2009- 30/11/2015

- Abilitazione Scientifica Nazionale al ruolo di Professore Associato nel settore CEAR-01/B (Apr 2017)

Assegnista di Ricerca in in Costruzioni Idrauliche, marittime e idrologia

- Università degli Studi di Genova, Dip. di Ingegneria Civile, Chimica e Ambientale

ISTRUZIONE E FORMAZIONE

10/2005-16/04/2009

Dottorato in Fluidodinamica e Processi dell'Ingegneria Ambientale

Università degli studi di Genova, XXI ciclo

- Dissertation title: Unsaturated flow in engineered porous media for hydrologic restoration
- 1-month (November 2008) visiting scholar at the Institut für Bauklimatik TU Dresden

10/1999-03/2005

Laurea in Ingegneria Civile indirizzo Geotecnica

Università degli studi di Genova

- Laurea thesis: "Engineering solution for the Central African Republic development: fishery system project at Gbazara".
- Grade of 110/110 summa cum laude.

COMPETENZE PERSONALI

Madre lingua Italian

Altre lingue English – Advanced; French – Elementary

Competenze trasversali

Partecipazione a gruppi di ricerca:

- Member of the Urban Storm Water Harvesting (USWH) Working Group of the IWA/IAHR Joint Committee on Urban Drainage (JCUD). The group's objective is to facilitate the development of these systems, by conducting research and experiments, and disseminating the results with various means (special sessions at conferences; special issues in selected journals; ecc.)
- Member of the Centro Studi idraulica Urbana CSDU (Research Center on Urban Hydraulics)
- Member of the TICASS Consortium. The Consortium for the Innovative Technologies for the Environmental Control and the Sustainable development (TICASS) endorses Research and Development, and Technology Transfer activities in the Energy and Environment domain, with a proper focus on Sustainable Development and Quality of Life.
- Member of the Scientific and Technical Committee of the Polo SOSIA. The Cluster Polo SOSIA operates in the areas of environmental risk management and land control, cybersecurity and innovative ICT systems for the Intelligent Factory and automation

ALTRE ATTIVITA ACCADEMICHE

Supervisione di dottorandi

Komal JABEEN; The Role of vegetation in Urban Climatology and Hydrology; XXXVIII Cycle; PhD Program in Civil, Chemical and Environmental Engineering; Curriculum in Fluid Dynamics and Environmental Engineering; Università di Genova.

Revisore Esterno/Esaminatore di dottorandi

Membro della commissione di esame finale: Tinghao HUANG; Hydrologic performances of rain gardens – From in-situ monitoring to modelling for a variety of contexts; École doctorale Sciences, Ingénierie et Environnement Spécialité du doctorat: Sciences et Techniques de l'Environnement, École nationale des ponts et chaussées | Institut Polytechnique de Paris, 22 May 2025

Membro della commissione di esame finale: Riccardo BONOMELLI; AN ENHANCED MODELLING APPROACH FOR DEBRIS FLOW INCEPTION AND PROPAGATION; XXXVI Cycle; PhD Program in Civil, environmental engineering and International cooperation and Mathematics, DICACIM, University of Brescia, 15 March 2024

Membro della commissione di esame finale: Rubina Ansari; Analysis of hydro-hazard extremes hotspots across Upper Jhelum Basin and possible mitigation measures; XXXV Cycle; PhD Program

in Civil, environmental engineering and International cooperation and Mathematics, DICACIM, University of Brescia, 15 March 2024

Revisore esterno: Fabrizio MUSMECI; INDAGINE SPERIMENTALE E MODELLISTICA SUL COMPORTAMENTO IDRAULICO DEI BLUE ROOF; XXXVI Cycle; Phd program in Valutazione e mitigazione dei rischi urbani e territoriali; University of Catania, April 2024

Membro della commissione di esame finale: Vladimir HAMOUZ; Retention and detention-based roofs for stormwater management in urban environments in cold climates; PhD program; Department of Civil and Environmental Engineering; Norwegian University of Science and Technology; October 2020

Corsi per dottorandi

PhD seminar titled "Innovative solutions to support the urban flood resilience" within the course "Lecture Series: Resilience Assessment of Complex Systems as a Multidisciplinary Approach to Prevention and Disaster Management" PhD program "Security, Risk and Vulnerability" of the University of Genova; 21 may 2021; 31 may 2022; 21 september 2023; 22 July 2024.

PhD modules titled "Long term assessment of green roof hydrologic performance" and "Participatory and collaborative approach in the design of NBS" within the winter school "THE ROLE OF NBS IN URBAN ECOSYSTEMS" PhD program "Civil Engineering and Architecture", University of Cagliari, 11-13 February 2025

Progetti di ricerca

Principal Investigator of UNIGE-DICCA for the project JPI DUT2022: GreenSotrm - Design and deployment of stormwater nature based solutions for resilient and liveable cities. Project Importo: 1.971.128,75 € of which 123.147,00 € to UNIGE-DICCA (from 31.01.2024 to date) .

Coordinatore nazionale del Progetto URCA! Urban Resilience to Climate Change: to Activate participatory mapping and decision support tool for enhancing the sustainable urban drainage. PRIN2020 Project. Importo: € 830,349 of which 193,298 € to UNIGE-DICCA (from 19 may 2022 to date).

Responsabile scientifico insieme a Prof. Francesca Pirlone del contratto di ricerca nell'ambito del progetto Interreg Euro-MED: ReMED project: Towards Climate Resilient Mediterranean Cities. Duration: 2024–2026. Partners: University of Malta (lead); Ministry for Gozo and Planning; iiSBE Italia R&D; Municipality of Genoa; National Observatory of Athens; Municipality Crikvenica; Fundación Ciedes; Municipality of Malaga; Municipality of Fyli. L'Università di Genova -DICCA è coinvolta come consulente dal Comune di Genova. Importo € 40,000

Responsabile scientifico insieme a Prof. Ilaria Gnecco del contratto di ricerca per la progettazione di "Academy per il miglioramento dei soft skills sull'adattamento climatico" nell'ambito del "Programma sperimentale di interventi per l'adattamento ai cambiamenti climatici in ambito urbano" of the Italian Minister of Environment and Energy Security. L'Università di Genova -DICCA è coinvolta come consulente dal Comune di Genova. Importo € 96,000

She has participated to several national and European research projects

- 01-12-2019 to date: **CCC-CATAPULT** - Challenging the Climate Crisis: Empowering Children's Agency to Tackle Policy Underpinned by Learning for Transformation. *JPI Climate - SOLSTICE 2019*. Importo: € 1.382.860,00 di cui 146.300,00 € a UNIGE-DICCA.
- 01-03-2017 to 31-12-2020: **TRIG-Eau** - Cross-border resilience innovation and governance for hydrogeological risk prevention. *EU Interreg Cross-border Maritime Italy-France 2014-2020*. Importo: € 2,091,370 di cui 176.850,95 € a UNIGE-DICCA; Progetto di capitalizzazione **ReS-Eau** - Strategic network for flood risk reduction through green infrastructure and the creation of climate-resilient communities è stato finanziato nel programma EU Interreg Cross-border Maritime Italy-France (V Call).
- 01-01-2012 to 31-12-2014: **AQUA-ADD** – Deploying the added Importo of water in local and regional development. *EU Interreg IVc s.* Importo: € 1,815,439.81 di cui 124.127,68 a UNIGE-DICCA.
- 01-03-2010 to 01-03-2014: **ECOMAWARU** – ECO-sustainable MAnagement of WAterland wastewater in RUral communities (LIFE 08 ENV/IT/000390) Life+2008 Program. s. Importo: € 960.122,00 di cui 471.186,00 € a UNIGE-DICHEP.
- 01-03-2017 to 01-03-2021: **Concert-Eaux** – Cross-border consultation of the Roia Valley for climate change adaptation strategies. *EU Interreg Alcotra s.* Importo: € 1,998,634.
- 01-09-2016 to 01-03-2018: Integrated and sustainable water-energy cycle management service for urban drainage systems. National Funding Programma Operativo Nazionale

Attività editoriale

- “Ricerca e Competitività 2007-2013” PON-REC.

 - 01-10-2011 to 30-09-2014: Feasibility study for the estimation of the mini-hydroelectric potential (MHP) on the Liguria Region. National Funding - Liguria POR-FERS “Industrial research and experimental development”. Importo: € 354,738.34.
- Editor of “Sustainability” open access journal edited by MDPI (ISSN 2071-1050; CODEN: SUSTDE)
- Guest Editor of Special Issue " Pluvial Flooding: maturing process understanding from data scarcity into data abundance" 2022, Hydrological Processes.

ULTERIORI INFORMAZIONI

Seminari ad invito

“One Stop Shop: il progetto Academy – Azioni di adattamento agli impatti del cambiamento climatico”, together with Prof. Ilaria Gnecco, CIRCULAR IMPORTO FORUM, Genova, 9 April 2025.

“Azioni di adattamento agli impatti del cambiamento climatico” together with Prof. Ilaria Gnecco, GENOVA SMART WEEK 2024, Genova, 26 November 2024

“Soluzioni tecniche per la raccolta, il recupero e la gestione delle acque e criteri progettuali” Autarchia dell’abitare. Strategie per la transizione, Ciclo di seminari iNEST Spoke 4 - City, Architecture and Sustainable Design, Università luav, Venezia, 11 October 2024

“Valorizzare l’impatto delle soluzioni basate sulla natura: dalla singola installazione alla diffusione alla scala urbana”, Conference - Le Nature-Based Solutions per l’architettura e la città. L’approccio prestazionale alle tecnologie vegetate, Università luav, Venezia, 13 october 2023

“URBAN RESILIENCE TO CLIMATE CHANGE Progetto URCA! PRIN 2020”. Water Innovation Summit 2023. Le tecnologie di domani per l’acqua di oggi. Bari, 22 June 2023

“Soluzioni basate sulla natura per una gestione sostenibile e resiliente del ciclo dell’acqua in ambito urbano” Giornata Mondiale dell’Acqua, Associazione Idrotecnica Italiana, Torino, 22 march 2023.