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| PERSONAL INFORMATION | Antonino Cancelliere |
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| A picture containing person, person, posing, smiling  Description automatically generated | Department of Civil Engineering and Architecture, University of Catania, Via S. Sofia 64, 95125 Catania, Italy |
| +39 0957832718 +39 3204391946 |
| antonino.cancelliere@unict.it |
| https://scholar.google.it/citations?user=pfE\_pTYAAAAJ&hl=it&oi=ao |
| ORCID ID https://orcid.org/0000-0002-9420-8341 |
| Date of birth April 3rd 1964 | Nationality Italy |
| Current Position Full Professor in Hydraulics and Maritime Works and Hydrology at University of Catania |

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| Research Interests |  |

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| Summary | My scientific activity has focused mainly on topics related to the numerical models for the simulation of fluid motion in porous media, to the analysis of water supply systems, to the water resources management, to the analysis of extreme hydrological phenomena, to the stochastic models for hydrological series and to the monitoring of hydrological processes. PI in several national and international projects, I am the author of more than 160 editorial products including 71 Scopus products and several national and international books with an editor role. I have carried out extensive teaching activities in water engineering related courses at Catania University and other international universities including ETH, Zurich and University of Memphis, USA. |
| Bibliometric Indicators | SCOPUS: h-index 28, citations 2653, documents 71 |

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| WORK EXPERIENCE |  |

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| From 2018 - today | Full Professor |
| Department of Civil and Environmental Engineering, University of Catania, Italy |
| -Research on flooding risk in urban areas, shallow landslide early warning  -Teaching activities on Hydrology  -Scientific mentoring of several MS and PhD students |
| From 2019-2019 | Adjunct Professor |
|  | University of Memphis, TN, USA |
|  | Collaborative research on flood risk management in urban areas  Partecipation to PhD committee for 2 candidates |
| From 2006 to 2018 | Associate Professor |
| Department of Civil and Environmental Engineering, University of Catania, Italy |
| -Research on drought risk management, water suplply systems, landslide early warning  -Teaching activities on Hydrology, Hydraulic Works, Flood Risk Management  -Scientific mentoring of several MS and PhD students |
| From 1998 to 2006 | Researcher |
| Department of Civil and Environmental Engineering, University of Catania, Italy |
| -Research on stochastic hydrology, drought analysis, water supply systems management  -Teaching activities on Hydrology, Water Resources Management  -Scientific mentoring of several MS and PhD students |
| From 1996 to 1998 | Graduate research teaching and research assistant |
| Colorado State University, USA |
| * Research and teaching on drought analysis and management |

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| EDUCATION AND TRAINING |  |

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| 1990 | M.S. in Civil Engineering (Hydraulics) |
| University of Catania, Italy |
| * Thesis: Lattice Boltzmann Methods for the analysis of flows in porous media |
| 1998 | M.S. in Civil Engineering |
| Colorado State University, USA |
| * Final paper: Maximum likelihood estimation of fractionally differenced autoregressive models |
| 2008 | Ph.D. in Civil and Environmental Engineering |
|  | Colorado State University, USA |
|  | * Thesis: Stochastic characterization of droughts in stationary and periodic series |

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| PERSONAL SKILLS |  |

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| Mother tongue(s) | Italian | | | | |
| Other language(s) | COMPRENSIONE | | PARLATO | | PRODUZIONE SCRITTA |
| Ascolto | Lettura | Interazione | Produzione orale |  |
| English | C2 | C2 | C2 | C2 | C2 |
|  | Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  Common European Framework of Reference for Languages | | | | |

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| INSTITUTIONAL RESPONSIBILITIES |  |

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| 2024-today | Member of the governing board of the Interuniversity Consortium for Hydrology |
| 2023-today | Vice coordinator of the water deficit and wildfires committee within the Italian National Commission for the Prediction and Prevention of Major Risks at National Civil Protection |
| 2022-today | Coordinator of the Ph.D. program in “Evaluation and mitigation of urban and territorial risks” at University of Catania |
| 2008-2012 | Coordinator of the Ph.D. program in “Water and transportation Engineering” at University of Catania |
| 2012-2020 | Member of the governing board of the Interuniversity Consortium for Hydrology |

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| NATIONAL AND INTERNATIONAL GRANTS  (as principal investigator) |  |

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| 2003-2008 | Local PI for the CE project MEDROPLAN Mediterranean drought preparedness and mitigation planning, funded under the Euro-Mediterranean Partnership |
| 2005-2007 | Local PI of the MIUR-PRIN 2005 project “Drought indices forecasting and definition of water supply operating rules |
| 2008-2010 | PI of the MIUR-PRIN 2007 Drought management and climatic variability |
| 2018-today | Local PI and project scientific coordinator of the EU LIFE 17 CCA/IT/000115– SimetoRES “Urban adaptation and community learning for a resilient Simeto valley” |
| 2019-2020 | PI of the project IG-2018-32125 “Sustainable water use in the citrus production chain”, funded by The Coca Cola Foundation (2019-2020). |
| 2021-today | PI of the project IG-2021-61880 “Sustainable water use in the citrus production chain 2”, funded by The Coca Cola Foundation (2019-2020). |
| 2021-today | PI of the collaborative agreement with the Sicily Watershed Authority “Studies for the updating of risk mapping in urban areas” |
| 2021-today | PI of the collaborative agreement with the Sicily Watershed Authority “Analysis of efficiency and reliability of flood defense systems” |
| 2023-today | PI of the project PRIN-INFORES INnovative FOrecast-informed REServoir operations for sustainable use of water resources and climate change adaptation |
| 2023-today | Local PI of the project PRIN-ITALERT Prediction of Rainfall-INduced landslides - Improving multi-scale TerritoriAL Early warning through aRTificial intelligence |
| 2025-today | PI of the grant Hydrological monitoring of water stress and use of brackish water in citrus production |

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| TEACHING ACTIVITY |  |

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| 1999-today | Teaching activities at University of Catania in the following courses:  -Hydrology  -Water resources management  -Flood risk management  -Hydraulic works |
| 2002-2010 | Visiting professor in several occasions at the ETH, Zurich |
| 2019 | Visiting professor at University of Memphis during sabbatical year |
| 1999-today | Tutoring of more than 50 M.S. thesis and 12 Ph.D. students |

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| ORGANIZATION OF SCIENTIFIC MEETINGS |  |

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| 2001 | •Expert Consultation and Workshop on Drought Mitigation for the Near East and the Mediterranean, Aleppo, Siria, (in collaboration with ICARDA, Siria and FAO, Cairo Regional Office) |
| 2005 | •Drought Preparedness and Mitigation in the Mediterranean, Taormina |
| 2007 | •Drought: from emergency to drought risk management, Taormina, |
| 2010 | •IHAS-STAHY Workshop Advances in statistical hydrology, Taormina |
| 2011 | •VI EWRA International Symposium Water Engineering and Management in a Changing Environment, Catania |
| 2011 | •Mitigation of drought risk and climate change: which priorities? Catania |

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| FURTHER INFORMATION |  |

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| National and international acknowledgments | -1989 -1990 IBM Research fellow for research activities at European Center for Scientific and Engineering Computing, Roma.  -1996-1998 Fullbright Fellow at Colorado State University |
| Prototypes: mathematical tools and web-sites | -2001 Decision support system for drought risk management  -2006 SIMDRO, simulation of water supply systems under drought conditions  -2025 development of a prototype of a low cost sensor for urban flooding detection |
| Research monographs and chapters in collective volumes | -Rossi G, Cancelliere A, Pereira L. S, Oweis T, Shatanawi M, Zairi A (Eds.) (2003). Tools for drought mitigation in Mediterranean region. p. 1-366, Kluwer Academic Publishers, Dordrecht  -Iglesias A, Garrote L, Cancelliere A, Cubillo F, Wilhite D.A (Eds.) (2009). Coping with Drought Risk in Agriculture and Water Supply Systems. Springer, Dordrecht  -Iglesias A, Cancelliere A, Gabina D, Lopez-Francos A, Moneo M, Rossi G. (Eds.) (2007) Drought Management Guidelines, Mediterranean Agronomic Institute of Zaragoza, Zaragoza  -Cancelliere A, Rossi G (Eds.) (2011). Water Engineering and Management in a changing environment, Proceedings of the VI EWRA International Symposium, Catania, Italy 29/6-2/7 2011. Quaderni CSEI Catania III (6), ISSN 2038-5854  -Cancelliere A, Bonaccorso B, Peres DJ (Eds.) (2012). Gestione della siccità e variabilità climatica. p. 1-176, Edibios, Cosenza |
| Memberships | * EGU, EWRA, ASCE |
| Evaluation of research results | • Reviewer of several ISI-Scopus journals  • former Associate Editor of Journal of Hydrology  • Associate Editor of Water |
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