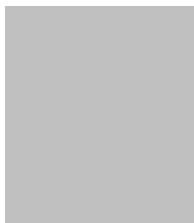


PERSONAL INFORMATION

PAOLO MARTANO



Affiliation: CNR ISAC, Institute for Atmosphere and Climate Science of the National Research Council of Italy
 Department: CNR ISAC, Lecce Section
 Address Via Monteroni, 73100 Lecce, Italy

+39 0832 422436 Replace with mobile number

p.martano@isac.cnr.it

[State personal website\(s\)](#)

Sex M | Date of birth 25/05/1961 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	X <input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

1998 - : Permanent research appointment at CNR-ISAC (Institute of Atmosphere and Climate Science),

1994-1988 : Research appointment at CNR-ISIAtA (Institute for Atmospheric Pollution and Agricultural Meteorology)

1992: Six months appointment as Head of the Math& Physics School Project in the ITALIA-ESPOCH co-operation project in Riobamba (Ecuador)

1989-91: Two years grant for research in Atmospheric Boundary Layer Physics by C.N.R. (National Research Council, Italy) and graduate studies in Physics at "P.U.C-R.J." (Rio de Janeiro Catholic University, Brazil).

1988: Temporary appointment by the University of Lancaster (Lancaster, U.K.), as Research Associate in nonlinear dynamics.

1986-87: Temporary appointment as professor in Physics at ESPOCH (Superior Polytechnic School) in Riobamba (Ecuador), by the ITALIA-ESPOCH scientific cooperation project

EDUCATION AND TRAINING

- Scuola estiva Castro Marina 2012: 4th CNR - ISAC Summer School 2012 - Severe Convective Weather: Theory and Applications
- Scuola Estiva Castro Marina e ModObs: Air-Sea Interaction. 11-15 June 2007.
- Geophysical turbulence and Boundary layers: nature, theory and role in Earth's systems. Univ. of Helsinki and Finnish Institute of Meteorology, Helsinki, Finland, 27 May-1 June 2007.
- Geophysical Turbulence 03, Scuola estiva di turbolenza geofisica, La Londe les Mauries, Francia, 14-18 Aprile 2003.
- Planetary Boundary Layer Turbulence and air Pollution Modelling, Scuola estiva di Castro Marina, 1-5 Ottobre 2001.
- Buoyant Convection in Geophysical Flows, NATO Advanced Study Institute Pforzheim, Germania, 17-27 Marzo 1997

- . College on Atmospheric Boundary Layer and air Pollution Modeling, ICTP, International Centre for Theoretical Physics, Trieste 16-Maggio-3 Giugno, 1994
- Modelli Matematici nella Fisica ambientale: Seminario scientifico-tecnico di Lecce, 19-24 settembre 1994.

Doctor in Science (Sc.D.) at P.U.C.-RIO (10/05/1993) and 'Dottore di Ricerca' by M.U.R.S.T. (University, Science and Technology Ministry), Italy (1995).

Graduation studies at the University of Pisa and "Scuola Normale Superiore" in Pisa, Italy. Graduation ("Laurea" degree) in Physics at the University of Pisa (29/03/85).

[

ADDITIONAL INFORMATION

Participation to projects related to database implementation and use:

Implementation of the ISAC-LECCE micrometeorological station and integrated database in GIIDA project.

2009-2011 GIIDA Gestione integrata e interoperativa dei dati ambientali: sviluppo database integrato (www.basesperimentale.le.isac.cnr.it)

, Integrated and interoperative management of environmental data: implementation of the ISAC-LECCE integrated database (www.basesperimentale.le.isac.cnr.it)

P. Martano, C. Elefante, F. Grasso (2013)

[A database for long term atmosphere-surface transfer monitoring in Salento Peninsula \(Southern Italy\)](#), in Dataset Papers in Geosciences. hindawi publ. corp. DOI 10.7167/2013/94643

P. Martano, C. Elefante, and F. Grasso: Ten years water and energy surface balance from the CNR-ISAC micrometeorological station in Salento peninsula (southern Italy). Adv. Sci. Res., 12, 121-125, 2015. doi:10.5194/asr-12-121-2015

2008-2020 HyMex, Hydrological Mediterranean Experiment (www.hymex.org), Member of WG2: Hydrological Continental cycle, and data provider for the HyMex database

2008-2013 (PON) Progetto I-AMICA (Infrastruttura ad alta tecnologia per il monitoraggio integrato climatico-ambientale). Partecipazione a Obiettivo Realizzativo 1: Strutture osservative per il monitoraggio climatico-ambientale

(High Technology facilities for the Integrated Climate-environmental monitoring: participation to objective 1 : Observation facilities for climate-environmental monitoring.)

2019 – OT4CLIMA - Studio degli impatti dei cambiamenti climatici sull'ambiente con tecnologie innovative di osservazione della Terra (Study of climate change impacts on the environment with innovative technologies of Earth Observation.)

**Pu
bli
cat
ion
s** total number of publications in peer-review journals 40
total Impact Factor (IF) (average IF/paper),
total number of citations 520
H index 10

Selected Publications:

- S. Faetti, C. Festa, L. Fronzoni, P. Grigolini, P. Martano, 1984: Multiplicative stochastic processes in nonlinear systems: noise-induced transition from the overdamped to the inertial regime. - Phys. Rev. A, 30 pp.3252-3263.
- L. Fronzoni, P. Grigolini, P. Martano, 1985: Statistical linearization and noise-induced transition from the overdamped to the inertial regime. - Phys. Rev. A, 31, pp. 3999-4001.
- J. Casademunt, J.I. Jimenez-Aquino, J.M. Sancho, C.J. Lambert, R. Mannella, P. Martano, P.V.E. McClintock, N.G. Stocks, 1989: Decay of unstable states in the presence of colored noise and random initial conditions. II Analog experiments and digital simulations. - Phys. Rev. A, 40, pp.5915-5921.
- P.J. Jackson, C.J. Lambert, R. Mannella, P. Martano, P.V.E. McClintock, N.G. Stocks, 1989: Relaxation near a noise-induced transition point. - Phys. Rev. A, 40, pp. 2875-2878.
- P. Martano, 1996:
Detection of mesoscale-driven circulations from time series of wind speed.
Nuovo Cimento C, vol. 19 n. 4, pp. 579-590.
- P. Martano, A. Romanelli, 1997:
A routine for the calculation of the time-dependent height of the Atmospheric Boundary Layer from surface layer parameters.
Boundary Layer Meteorology, 82 pp.105-117.
- P. Martano, 2000:
'Estimation of Surface Roughness Length and Displacement Height from Single-Level Sonic Anemometer Data.' - Journal of Applied Meteorology, 39, n.5, pp. 708-715.
- P. Martano, 2002: An algorithm for the calculation of the time-dependent mixing height in coastal sites. J. of Appl. Met., 41, p.351-54.
- C. Mangia, P. Martano, M.M. Miglietta, A. Morabito, A. Tanzarella 2004: 'Modelling local winds over the Salento Peninsula' Meteorological Applications, 11, pp.231-244.
- P. Martano, R.J. De Carvalho, 2005: A multimedia chemical fate model with time-dependent air-water transfer rates. Environmental Fluid Mechanics, 5, pp.215-226.
- Martano P, Cava D., Mastrantonio G., Argentini S., Viola, 2005. Sodar-detected top-down convection in a nocturnal cloud-topped boundary layer: a case study. Bound.-Layer Met., 115, pp.85-103.
- Cava D., Contini D., Donato A., Martano P., 2008: Analysis of short-term closure of the surface energy balance above short vegetation. Agric. and Forest Meteorol., 148, pp.82-93.
- Martano P.: 2008. Inverse parameter estimation of the turbulent surface layer from single-level data and surface temperature. J. Applied Met. and Climatol., 47, pp. 1027-1037.
- Martano P., Pereira Marques Filho E., Deane De Abreu Sa L., Land-Atmosphere Transfer Parameters in the Brazilian Pantanal during the Dry Season. *Atmosphere* **2015**, 6(6), 805-821; doi:[10.3390/atmos6060805](https://doi.org/10.3390/atmos6060805)
- P. Martano. Evapotranspiration Estimates over Non-Homogeneous Mediterranean Land Cover by a Calibrated "Critical Resistance" Approach. - *Atmosphere* **2015**, 6(3), 255-272; doi:[10.3390/atmos6030255](https://doi.org/10.3390/atmos6030255) Received: 5 November 2014 / Revised: 16 January 2015 / Accepted: 29 January 2015 / Published: 27 February 2015
- Delle Rose M., Martano P., 2018: Infiltration and Short-Time Recharge in Deep Karst Aquifer of the Salento Peninsula (Southern Italy): An Observational Study. *Water*. DOI [10.3390/w10030260](https://doi.org/10.3390/w10030260)
- S. Trini Castelli A. Bisignano, A. Donato T.C. Landi, P. Martano, P. Malguzzi, 2019: Evaluation of the turbulence parametrization in the MOLOCH meteorological model. Quarterly Journal of the Royal Meteorological Society. DOI: [10.1002/qj.3661](https://doi.org/10.1002/qj.3661)
- P. Martano, 2020: Droplet fate in a cough puff. *Atmosphere* **2020**, 11(8), 841; <https://doi.org/10.3390/atmos11080841>
- Marco Delle Rose, Paolo Martano, Luca Orlanducci (2021)
[Coastal Boulder Dynamics Inferred from Multi-Temporal Satellite Imagery, Geological and Meteorological Investigations in Southern Apulia, Italy](https://doi.org/10.3390/w13172426) in *Water* (Basel) DOI [10.3390/w13172426](https://doi.org/10.3390/w13172426)
- Maria Rosaria Alfio, Gabriella Balacco, Marco Delle Rose, Corrado Fidelibus, Paolo Martano (2022)
A Hydrometeorological Study of Groundwater Level Changes during the COVID-19 Lockdown Year (Salento Peninsula, Italy) in *Sustainability* (Basel) DOI [10.3390/su14031710](https://doi.org/10.3390/su14031710)

Replace with First name(s) Surname(s)