



Europass Curriculum Vitae

Personal information

First name/ Surname Claudia Roberta Calidonna
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E-mail Claudiaroberta.calidonna@cnr.it
Nationality Italian
Claudia Roberta Calidonna
Date of birth [REDACTED]
Gender F

Work experience

Actual position	Since 2009 – CNR Permanent Researcher at Institute of Climate and Atmospheric Science (ISAC) U.O.S. Lamezia Terme (CZ) Since April 2014 -Head of CNR-ISAC Lamezia Terme UNIT Complex system modeling and simulation, atmospheric processes, meteorological and climatic parameters monitoring, data analysis and check quality with advanced methods.
25/02/2013 - 30/06/2013	Contract professor Elements of Physics (FIS/01 – 6CFU) University of Study of di Reggio Calabria "Mediterranea" - Lamezia Terme section
1/06/2006- 31/08/2007	Senior Engineer – NEC Italia S.r.L System manager (Silicon Graphic Prism 16 nodi, SX6 8 nodi, sistema NAS 10 Tb) scientific visualization team leader (3D theatre)
04/03/2002 - 31/07/2005	Temporary researcher at CNR-ICIB (Institute of Cybernetics “E. Caianiello”) Multithreading and parallel simulation of natural complex systems with discrete dynamics, System manager (Cray J90, SX6, Silicon Graphic Prism, Workstation 450 Sparc SUn Microsystem)
01/10/2004 - 31/03/2005	Distributed Operating Systems Contract Professor (INF/01 – 4 CFU) UNIVERSITY of Study of Naples “Federico
01/10/2000 - 31/03/2002	Tutor at Operating System Laboratory (INF/01 – 3 CFU), UNIVERSITY of Study of Naples “Federico
01/12/1999 - 31/12/2001	Temporary researcher at CNR-ICIB (Institute of Cybernetics “E. Caianiello”) Multithreading and parallel simulation of natural complex systems with discrete dynamics for natural hazard. System manager (Cray J90, SX6, Silicon Graphic Prism, Workstation 450 Sparc SUn Microsystem)

1/09/1997 – 30/11/1999

Research grant CRAY Italy at CNR-ICIB (Istituto di Cibernetica “E. Caianiello”)

Code optimization on Parallel Architecture NUMA

System manager di sistemi di calcolo (Cray J90, SX6, Workstation 450 Sparc SUn Microsystem)

Studies and Training

Europroject Design –VALORE PA –by University of Reggio (60 hours training) – 2017

Project Management (35 Hours training) - 2011

Research Valorization “Come va la Ricerca” ed. 2010, (35 Hours) 2010,

Physics degree – Cibernetics specialization, Università of Naples Federico II

Personal skills and competences

Mother tongue(s)

Italian

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
	B2	B2	B2	B2	B2	B2	B2	B2	B2
	A1	A1	A1	A1	A1	A1	A1	A1	A1

(*) Common European Framework of Reference for Languages

Social skills and competences

Excellent communication skills developed by training and during project management and university course teaching

Organisational skills and competences

She is actually research team leader at ISAC Lamezia Terme UNIT and head of Section
She is:

- PI Regional GAW-WMO Station Lamezia Terme
- PI Lamezia Terme Site Aeronet (NASA)
- PI Lamezia Terme Site ACTRIS Italia JRU

Technical skills and competences

She was Project leader for PON03_0363 high training network (2012-2015)

She is WP leader IRPWIND (FP7) -WP5 Mobility

Computer skills and competences

- Main Operating systems Windows e Linux. Professional system manager for commercial and opensource systems: IRIX, UNICOS, SUSE, OpenSuse, Ubuntu etc.
- Deep knowledge of shell programming and high-level languages (Fortran, C, Lisp, Common Lisp, Prolog, ...)
- High knowledge of environment developing tools Matlab and IDL.

Driving licence

B

Additional information

She is author of more than 50 journal and conference paper, here the most important paper of last three years

Curriculum vitae attached. (Review heading first relevant, see instructions)

Papers

Donateo, Antonio; Lo Feudo, Teresa; Marinoni, Angela; Dinoi, Adelaide; Avolio, Elenio; Merico, Eva; Calidonna, Claudia Roberta; Contini, Daniele; Bonasoni, Paolo, Long-term observations of aerosol optical properties at three GAW regional sites in the Central Mediterranean
Published: Sep 2020 in Atmospheric Research, DOI: 10.1016/J.ATMOSRES.2020.104976

Five Years of Dust Episodes at the Southern Italy GAW Regional Coastal Mediterranean Observatory: Multisensors and Modeling Analysis

Web of Science

Authors: Calidonna, Claudia Roberta; Avolio, Elenio; Gulli, Daniel; ... Lo Feudo, Teresa; see more

Published: Apr 2020 in Atmosphere

DOI: 10.3390/ATMOS11050456

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From examination of natural events to a proposal for risk mitigation of lahars by a cellular-automata methodology: a case study for Vascim valley, Ecuador

Web of Science

Authors: Lupiano, Valeria; Chidichimo, Francesco; Machado, Guillermo; ... Di Gregorio, Salvatore; see more

Published: Jan 2020 in Natural Hazards and Earth System Sciences

DOI: 10.5194/NHESS-20-1-2020

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Meteorology and Air Pollution Experiment at the Black Sea Coastal Site Ahtopol-2017

Web of Science

Authors: Batchvarova, Ekaterina; Calidonna, Claudia; Kolarova, Maria; ... Riccio, Angelo; see more

Published: 2019 in 10TH JUBILEE CONFERENCE OF THE BALKAN PHYSICAL UNION

DOI: 10.1063/1.5091259

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Characterization of In Situ Aerosol Optical Properties at Three Observatories in the Central Mediterranean

Web of Science

Authors: Donateo, Antonio; Lo Feudo, Teresa; Marinoni, Angela; ... Bonasoni, Paolo; see more

Published: Sep 2018 in Atmosphere

DOI: 10.3390/ATMOS9100369

C.R. Calidonna, I. Ammoscato, M. De Pino, E. Avolio, D. Gulli, T. Lo Feudo, R. C. Torcasio "The importance to integrate forecasts and observation for anthropic and natural sources impact. Study cases" Italian Journal of Occupational and Environmental Hygiene Vol 8, No 4 (2017): pages 120-164

S. Romano, T. Lo Feudo, C.R. Calidonna, P. Burlizzi, M.R. Perrone. "Solar eclipse of 20 March 2015 and impacts on irradiance, meteorological parameters, and aerosol properties over southern Italy". August 2017 Atmospheric Research 198 DOI 10.1016/j.atmosres.2017.08.001.

Projects

	<ul style="list-style-type: none"> ▪ SIGIEC –PON01_2651 (2012-2015),– Leader University of Calabria –A multidisciplinary system for collecting and integrating different data to deal with coastal erosion. • I-AMICA PON 03 0363— (2012-2015), CNR Leader (Infrastructural strengthening project to build a network of climatic-environmental observatories) ▪ •Bilateral exchange project CNR-BAS 2013-2015 e 2016-2018 collaboration between National Institute of Meteorology and Hydrology of Bulgarian Academy of Science and CNR – with the goal to identify aerosols sources and transport phenomena between Lamezia Terme and Ahtopol sites. • SMART DATA Cloud – (2017-2018) PON MISE H2020 - Leader Sistemi Territoriali S.r.L – to develop a i BIG DATA systems and its specialization for coastal data.
Associations	<p>Italina Project Leader Association, Professional association n. 322 (Ottobre 2013) , (Legge n. 4/2013)</p> <p>ACM - Association for Computer Machinery , Member n° 5229888 (April 2009)</p> <p>Socio SIF</p> <p>•</p>
Referee	<p>H2020 Expert</p> <p>MIUR Expert – REPRISE experts (Scientific Culture Diffusion, Scientific Evaluation, R&D evaluation)</p> <p>Regione Calabria Evaluator</p>
Personal Data	<p>I authorise the treatment of my personal data reported in the cv as indicated in the <i>Decreto Legislativo 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali”</i> and of <i>GDPR (Regolamento UE 2016/679)</i></p>