



**Personal information**

First name(s) / Surname(s) **Pasquale Schiano**

[Redacted]

Nationality Italian

[Redacted]

[Redacted]

**Occupational field** **ICT, HPC, Climate Change, Numerical Modelling & Simulation**

**Work experience** Climate Change, ICT

Dates 2020-current

**Occupation or position held** ICT and Scientific consultant

**Main activities and responsibilities** Research Proposals definition, Development of research projects, Supercomputing benchmarking

**Name and address of employer** *CMCC, the Euromediterranean Center for Climate Change, Via Augusto Imperatore 16, 73100, Lecce, Italy*

**Work experience** Climate Change Services and consulting

Dates 2020-current

**Occupation or position held** General Manager

**Main activities and responsibilities** Company management. Resources allocation, Project management

**Name and address of employer** *cmcc srl, Via Augusto Imperatore 16, 73100, Lecce, Italy*

**Work experience** Climate Change

Dates 2015-current

**Occupation or position held** Member of the Strategic and Technical Committee

**Main activities and responsibilities** Project Management (including budget, resources, etc.), Strategies definitions, Resource allocations, etc.

**Name and address of employer** *CMCC, the Euromediterranean Center for Climate Change, Via Augusto Imperatore 16, 73100, Lecce, Italy*

**Work experience** ICT, Security, Scientific Computing and HPC

Dates 2015-2019

**Occupation or position held** Chief Information Officer

Main activities and responsibilities	Project Management (including budget, resources, etc.), Coordination of all ICT activities
Name and address of employer	<i>CIRA, the Italian Aerospace research Center, Via Maiorise , 81043, Capua, Italy</i>
<b>Occupational field</b>	<b>Research Facility Management</b>
<b>Work experience</b>	ICT, Security, HPC
Dates	2018-2019
Occupation or position held	Head of Large Aerospace Research Facilities and General Infrastructures
Main activities and responsibilities	Management of Large Research Facilities (including budget, resources, customers, etc.), Management of Safety and Environmental impact
Name and address of employer	<i>CIRA, the Italian Aerospace research Center, Via Maiorise , 81043, Capua, Italy</i>
<b>Work experience</b>	Climate Change and impacts on soil and coasts, HPC, Cloud Computing
Dates	2005-2015
Occupation or position held	Head of the division “Impacts on Soil and Coast” and Board Member
Main activities and responsibilities	Scientific coordination, Project Management (including budget, resources, etc.)
Name and address of employer	<i>CMCC, the Euromediterranean Center for Climate Change, Via Augusto Imperatore 16, 73100, Lecce, Italy</i>
<b>Work experience</b>	Avionics, Flight Systems and Electronics
Dates	2013-2017
<b>Occupation or position held</b>	Board Director and member of the Strategic Technical Committee
<b>Main activities and responsibilities</b>	Project Management (including budget, resources, etc.), Strategies definition, Resource Allocations, Management of International Projects
<b>Name and address of employer</b>	<i>Aspen Avionics, Albuquerque, New Mexico, USA</i>
<b>Work experience</b>	Avionics, Flight Systems and Electronics
Dates	2011-2015
<b>Occupation or position held</b>	Head of Department
<b>Main activities and responsibilities</b>	Project Management (including budget, resources, etc.), Coordination of R&D National and International Projects
<b>Name and address of employer</b>	<i>CIRA, the Italian Center for Aerospace Research, Via Maiorise, 81043, Capua, Italy</i>
<b>Work experience</b>	ICT Services and Labs for Aerospace, Security and Environmental applications

Dates 1995-2010  
 Occupation or position held Chief Information Officer  
 Main activities and responsibilities Project Management (including budget, resources, etc.), Coordination of all ICT activities  
 Name and address of employer **CIRA, the Italian Center for Aerospace Research**, Via Maiorise, 81043, Capua, Italy

**Work experience** Parallel and Numerical Computing, High Performance Computing, Grid Computing

Dates 1987-1995  
 Occupation or position held Head of the group “HPC and Parallel Computing”  
 Main activities and responsibilities Research activities, Project management  
 Name and address of employer **CIRA, the Italian Center for Aerospace Research**, Via Maiorise, 81043, Capua, Italy

**Work experience** High Performance Computing for Nuclear numerical applications

Dates 1983-1987  
 Occupation or position held Supercomputing System Analyst  
 Main activities and responsibilities Management of supercomputing facility  
 Name and address of employer **ENEA (Italian Nuclear Research Center)**, Via E. Fermi, Frascati, (RM), Italy

**Education and training**

Title of qualification awarded Laurea  
 Principal subjects/occupational skills covered Mathematics and Applied numerical computing  
 Name and type of organisation providing education and training University of Naples “Federico II”

**Personal skills and competences**

Mother tongue(s) Italian

Other language(s) English

Self-assessment

Language

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Excellent	Excellent	Excellent	Excellent	Excellent

Organisational skills and competences	<ul style="list-style-type: none"> <li>✓ Management of R&amp;D Projects</li> <li>✓ Management of ICT activities</li> <li>✓ Management of Aerospace Research Facilities and General Infrastructures</li> <li>✓ Design, Procurement and Realization of Complex H/W and S/W ICT Projects</li> <li>✓ Expertise in preparation and management of R&amp;D National and International projects in the frame of ICT, Aerospace, Space, Environment and Climate Change and Security fields.</li> <li>✓ Capacity to manage large R&amp;D groups involving researchers, technicians, administrative employees.</li> </ul>
Technical skills and competences	<p>ICT, Avionics, Numerical Modelling, HPC and Cloud Computing, Management of Research Facilities, Regional Climate change models, Climate change impact models, CFD and aerothermodynamics, S/W application to manage big data</p>
Computer skills and competences	<p>Major computer programming languages, Project management tools, ERP S/W, MS Office tools, Project Management tools, etc.</p>



## Additional information

Pasquale Schiano was born in 1959 in Naples and he got a laurea degree on Mathematics at University of Naples "Federico II". After a four year experience (1983-1987) at ENEA (The Italian Nuclear Agency) as supercomputing analyst, he joined CIRA in 1987 starting to work as head of the group of parallel and numerical computing. Since 1995 he is the CIRA Chief Information Officer (CIO) having the responsibility of the whole ICT activities of the center (both research and services). In 2018 he was also appointed as Head of Large Aerospace Research Facilities and Infrastructures at CIRA, managing among them some of the largest aerospace wind tunnels in the world such as Plasma Wind Tunnel ("Scirocco") and the Icing Wind Tunnel. From 2011 to 2015 he was also Head of the Department of Avionics, Flight Systems and Electronics at CIRA.

Since 2008 he was member of the Security Research Group (SRG) of EREA (the European Research Establishments for Aeronautics) grouping all the major aeronautical research centers in Europe. He was chairman of the group from 2014 to 2018. Thanks to SRG he participated to launch several security research projects and to interact with European Security Stakeholders (EC, EDA, EASA, Industries, etc.).

Since 1992 he participates to the Organizing Committee of the International Conference Parallel CFD. In 1996 he was chairman of the IX ninth edition of these Conferences organised in Capri.

He has been invited as Invited Speaker at various international conferences on HPC, parallel computing, grid computing, environment and climate change, security, aerospace

He has been invited several times by the UE for the assessment and review of proposals and research projects of the ESPRIT and IST program for High Performance Computing and Networking of Concurrent Engineering.

Since 1992 he participates in the Working Group EREA (the Association of European aeronautical research centers) on Supercomputing and Networking and he was Chairman of the group from 1995 to 1996.

He participated as representative of the Research Centres in the European Aerospace Core Team for Aeronautics Task Force (IMG3/ATF) that on behalf of the UE prepared the European program of research and development ENHANCE for Concurrent Engineering in Aerospace.

He was member of the Steering Committee of the MIUR (Italian Research Ministry) for the UE / ESA GMES Global Monitoring for Environment and Security program and he organized the first and the second Forum GMES. In 2004 he was also the coordinator and lead author of the document "The Italian position on GMES"

He has been member of the strategic communication group of MIUR (Italian Research Ministry) which developed the web portal for Italian research.

He has been founder and member of the Board of the CMCC (Euromediterranean Center for Climate Change). Currently he is member of the Strategic and Technical Committee.

From 2013 to 2017, he has been Board Director and member of Strategic Technical Committee of Aspen Avionics, an USA avionics company based in Albuquerque, New

Mexico, USA. Aspen is a one of the major firms in the avionic market for General Aviation.

He is currently member of the COSMO (Consortium for Small Scale Modelling), developing and managing the non-hydrostatic models used by Metereological Office of Italy, Germany, Greece, Rumania and Switzerland

He is currently member of the European consortium CLM (Climate Limited-area Modelling community)

He is currently member of the Strategic Committee of CMCC (Euromediterranean Center for Climate Change)

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