

PERSONAL INFORMATION

Dario Del Moro



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Gender M | Date of birth 23/08/1975 | Nationality Italian

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|---------------------|---|--|
| PhD date 11/10/2005 | <input type="checkbox"/> <10 years from the date of the first PhD | <input checked="" type="checkbox"/> >10 years from the date of the first PhD |
|---------------------|---|--|

| 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 checked="" type="checkbox"/> Associate Professor | <input type="checkbox"/> Level III Researcher and Technologist |
| <input type="checkbox"/> Employee / worker level | <input type="checkbox"/> Researcher | <input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator |

EMPLOYMENTS

CURRENT POSITION(S)

(2022 - present)

Associate Professor

Rome "Tor Vergata" University

• **Professor**, Lecturer in **Computational Physics** and in **Space Science**, **WP Leader** in SWATNet ITN PhD, **Deputy PI** of the CAESAR project.
 Public University

(2008 - 2022)

Assistant Professor

Rome "Tor Vergata" University

Researcher, Assistant in **Computational Physics**, Lecturer in **Space Science** and in **Digital Data Analysis**.
 Public University

PREVIOUS POSITION(S)

(2005 - 2006)

Research Fellow

Physics Department of the Rome "Tor Vergata" University

• **Grant title: "Study of convective structures observed on the solar surface"**
 Public University

(2003)

Research Fellow

CNR – Consiglio Nazionale delle Ricerche

• **Scholarship title: "Computational methods for solar photospheric structures characterization"**
 Public Research Institute

EDUCATION AND TRAINING

Dario Del Moro

(2001 - 2004) **Ph.D. in Astronomy** EQF level 8

Rome "Tor Vergata" University

- International class preparation in research activities; ability to operate autonomously, taking responsibility for projects and facilities, research and innovation in science and technology.

1994-2001 **Degree in Physics** EQF level 7

Rome "Tor Vergata" University

- Solid preparation in modern theoretical, experimental and applied physics; deep understanding of the method scientific investigation; thorough knowledge of mathematics and computing; ability to model complex systems in different fields

ACHIEVEMENTS AND AWARD

Awards Edmund Optics 2013 Higher Education Award

Grants (last 10 years) CAESAR, ASI-INAF 2020-35-HH.0, 150k€, 2022-, Deputy PI
 MASS, ERASMUS-EDU-2021-PEX-EMJM-MOB, 3.4M€, 2021-, Deputy PI
 SWATNET, EU/H2020 MSCA-ITN-2020, 250k€, 2021-, WPs leader
 ESCAPE, EU/H2020 INFRAEOSC-2018-02, 70k€, 2019-, UdR leader

Patents -

PUBLICATIONS

Bibliometric parameters Total number of publications in peer-review journals: 115
 Total number of citations 1164
 H index: 21

Relevant publications (last 10 years) Torsional oscillations within a magnetic pore in the solar photosphere
 Nature Astronomy, 5, 691, 2021 M Stangalini, R Erdélyi, ... D Del Moro, et al.
 From the Sun to Earth: effects of the 25 August 2018 geomagnetic storm
 Annales Geophysicae, 38, 703, 2020 M Piersanti, P De Michelis, D Del Moro, et al.
 Propagating Spectropolarimetric Disturbances in a Large Sunspot
 The Astrophysical Journal, 869 (2), 110, 2018 M Stangalini, S Jafarzadeh, ..., and D Del Moro
 Comprehensive Analysis of the Geoeffective Solar Event of 21 June 2015: Effects on the Magnetosphere, Plasmasphere, and Ionosphere Systems
 Solar Physics, 292(11), 169, 2017 M Piersanti, T Alberti, ... D Del Moro, et al.
 Dynamics of the solar atmosphere above a pore with a light bridge
 The Astrophysical Journal, 826 (1), 49, 2016 M Sobotka, M Svanda, J Jurcak, P Heinzel, D Del Moro, and F Berrilli
 Super-diffusion versus competitive advection: a simulation
 Astronomy & Astrophysics 576, A47, 2015 D Del Moro, F Giannattasio, et al.
 Diffusion of Magnetic Elements in a Supergranular Cell
 The Astrophysical Journal, 788 (2), 137, 2014 F Giannattasio, M Stangalini, F Berrilli, D Del Moro, et al.

Book chapters and monographs

Solar Particle Events and Human Deep Space Exploration: Measurements and Considerations. In Extreme Events in Geospace (pp. 433-451). Elsevier. 2018 L Narici, A Rizzo, F Berrilli, and D Del Moro

ADDITIONAL INFORMATION

Institutional responsibilities

(2009 - 2011)

Elected member of the Science Faculty Council

(2012 - 2015)

Elected member of the Executive Board of the Physics Department

Commission of trust

(2012 - present)

Scientific Board Member of the Joint PhD program in Astrophysics and Space Science organized by the University of Rome Sapienza, University of Rome "Tor Vergata" and INAF- Istituto Nazionale di AstroFisica

Member of scientific societies

(2008-present)

Member of SIF, EPS, EGU, SAIt, SWICO

Dario Del Moro

2008-2010 EST Science Core Team
2010-2012 ASI-ADAHELI Associated Scientist

Mentorship of students/young researchers/fellows

(2008 - 2022)

Responsible for 2 Research Fellows
Tutor of 10 PhD Students
Tutor for 12 Master/Bachelor degree Thesis

Organisation of conferences/scientific meetings

2006: Member of the Local Organizing Committee for the ESF Exploratory Workshop: New Generation Large Aperture Solar Telescopes: Science Drivers, Observational Strategies and Perspectives
2013: Member of the SOC for the 2013 Meeting of the Italian Community in Solar and Heliospheric Physics
2016: Member of the SOC, Chair of the LOC for the 2016 meeting of the Italian SOLar and HEliospheric community
2018: Member of the SOC for the Third Meeting of the Italian Solar and Heliospheric Community
2020: Co-Convener for the ST4.1 EGU 2020 General Assembly session on "Space weather prediction of solar wind transients in the heliosphere"
2021: Co-Convener for the ST4.3 EGU 2021 General Assembly session on "Space weather prediction of solar wind transients in the heliosphere"
2021: Chair of the SOC for the 3rd SHAW-IAU session on "Earth as Planet"
2022: Co-Convener for the ST4.3 EGU 2022 General Assembly session on "Space weather prediction of solar wind transients in the heliosphere"

Major invited presentations

2013: Invited talk at the LVII Congresso SAIt: "Applying the Solar dynamo models to stellar magnetic activity"
2020: Invited talk at the 106th National Congress of the Italian Physical Society: "Stormy with a chance of reconnection at noon: Modeling CME propagation from the Sun to the Earth"
2021: Invited talk at the L'attivit `a solare e il suo impatto sull'ambiente circumterrestre e terrestre Conference: "Come prevedere l'arrivo delle nubi di plasma coronale a Terra"

Editorial and Reviewing activities

(2008 - present)

(2014 - 2018)

(2021 - 2022)

Referee for ApJ, A&A, Computer Vision, Remote Sensing Letters, Opt. Express, JSWSC, ESF.
Guest Editor for Nuovo Cimento.C
Guest Editor for Entropy