ALLEGATO A

UNIVERSITÀ DEGLI STUDI DI MILANO
Procedura di selezione per la chiamata a professore di I fascia da ricoprire ai sensi dell'art. 18, commi 1 e 4, della Legge n. 240/2010 per il settore concorsuale ___04/A4 - Geofisica _____,
(settore scientifico-disciplinare _____GEO/12 - Oceanografia e Fisica dell'Atmosfera _____)
presso il Dipartimento di ___SCIENZE DELLA TERRA "ARDITO DESIO"____, Codice concorso 5304

NICOLA SCAFETTA
CURRICULUM VITAE

(N.B. IL CURRICULUM NON DEVE ECCEDERE LE 30 PAGINE E DEVE CONTENERE GLI ELEMENTI CHE IL CANDIDATO RITIENE UTILI AI FINI DELLA VALUTAZIONE.
LE VOCI INSERITE NEL FACSIMILE SONO A TITOLO PURAMENTE ESEMPLIFICATIVO E POSSONO ESSERE SOSTITUITE, MODIFICATE O INTEGRATE)

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	SCAFETTA
NOME	NICOLA
DATA DI NASCITA	26/12/1969

TITOLI

TITOLO DI STUDIO

Laurea in Fisica, Università degli Studi di Pisa, Italia, 14/11/1997.

TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

Ph.D. in Physics, University of North Texas Denton, TX, USA, Dec/2001.

ALTRI TITOLI CONSEGUITI

Incarichi di Ricerca e Insegnamento:

2014-date Professore Associato DiSTAR, Università degli Studi di Napoli Federico II
2018-August Visiting Scientist NASA's Goddard Space Flight Center in Greenbelt, MD USA
2010-2014 Co-Principal Investigator ACRIM Science Team (JPL-NASA), Coronado, CA USA
2012-2014 Research Consultant Anesthesiology Department, Duke University
2014-Spring Adjunct Professor Physics Department, Elon University
2013-Summer Adjunct Professor Physics Department, Elon University
2010-2012 Assistant Adjunct Professor Anesthesiology Department, Duke University
2010-Fall Visiting Lecturer Physics Department, University of North Carolina Chapel Hill
2010-Spring Adjunct Professor Physics Department, Elon University
2008-Fall Visiting Lecturer, Physics Department, University of North Carolina Chapel Hill
2008-2009 Visiting Lecturer Physics Department, University of North Carolina Greensboro
2005-2009 Research Scientist Physics Department, Duke University
2003-2004 Research Associate Physics Department, Duke University
2002-2003 Research Associate Electrical and Computer Engineering, Duke University
1998-2001: Teaching Assistant Physics Department, University of North Texas

Dal 2002 al 2005 sono stato Research Investigator per il Progetto Mathematical Analysis of Non-Stationary US Army Research Office Fluctuations 45149NS/DAAG55-98-D-0002

Dal 2006 al 2009 sono stato Principal Investigator (PI) per un progetto sulla fisica della complessità della durata triennale finanziato dall'USA Army Research Office,

Dal 2010 al 2014 sono stato Co-PI per il progetto sull'irragiamento solare e sull'interazione del sole sul clima dell'ACRIM finanziato da JPL-NASA (USA).

Dal 2017 al 2020 sono stato vincitore del progetto FFABR 2017 dell'ANVUR.

Titoli Bibliometrici (23/Luglio/2023):

SCOPUS H-Index = 34 (https://www.scopus.com/authid/detail.uri?authorId=6603888947).
Google Scholar H-Index = 41 (https://scholar.google.com/citations?user=XpseNiQAAAAJ&hl=en&oi=ao).

Nel 2019, 2020, 2021 e 2022 Scafetta è rientrato nel "World's Top 2% Scientists' List" pubblicato su PLoS Biology da ricercatori della Stanford University, Elsevier e SciTech Strategies secondo le "standardized citation metrics" (DOI: 10.17632/btchxktzyw.4);
https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4

Abilitazioni scientifiche nazionali:

Prima Fascia 04/A4 - Geofisica Dal 14/01/2020 al 14/01/2031 Tornata 2018
Prima Fascia 02/C1 - Astron., Astrof., Fisica della Terra e dei Pianeti Dal 11/07/2018 al 11/07/2029 Tornata 2016
Prima Fascia 04/A4 - Geofisica Dal 07/02/2014 al 07/02/2024 Tornata 2012.

ATTIVITÀ DIDATTICA

INSEGNAMENTI E MODULI

Corsi insegnati presso il DiSTAR, Università degli Studi di Napoli Federico II:

2022/2023 Meteorologia (Laurea Triennale, Italiano), ore frontali 48, CFU 6
Climatologia (Laurea Magistrale, Italiano), ore frontali 48, CFU 6
Oceanografia (Laurea Magistrale, Italiano), ore frontali 48, CFU 6
Climatologia Avanzata (Dottorato, Italiano), ore frontali 12, CFU 3
2021/2022 Meteorologia (Laurea Triennale, Italiano), ore frontali e 48, CFU 6
Climatology (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Advanced Climatology (Dottorato, Inglese), ore frontali 12, CFU 3
2020/2021 Meteorologia (Laurea Triennale, Italiano), ore frontali 48, CFU 6
Climatology (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
2019/2020 Meteorologia (Laurea Triennale, Italiano), ore frontali 48, CFU 6
Climatology (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Advanced Climatology (Dottorato, Inglese), ore frontali 12, CFU 3
2018/2019 Meteorologia (Laurea Triennale, Italiano), ore frontali 48, CFU 6
Climatology (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
2017/2018 Meteorologia (Laurea Triennale, Italiano), ore frontali 48, CFU 6
Climatologia (Laurea Magistrale, Italiano), ore frontali 48, CFU 6
Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
2016/2017 Climatology (Laurea Magistrale, Inglese), ore frontali 48, CFU 6

Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Elementi di Geofisica Generale (Laurea Magistrale, Italiano), ore frontali 48, CFU 6
2015/2016 Climatologia (Laurea Magistrale, Italiano), ore frontali 48, CFU 6
Climatology (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Oceanography (Laurea Magistrale, Inglese), ore frontali 48, CFU 6
Elementi di Geofisica Generale (Laurea Magistrale, Italiano), ore frontali 48, CFU 6
2014/2015 Climatologia (Laurea Magistrale, Italiano), ore frontali 48, CFU 6

Corsi insegnati presso diverse Università negli Stati Uniti D'America: (i corsi sono equivalenti ai corsi Italiani di 48 ore frontali e 6 CFU)

2014–Spring Introduction to Astronomy. Elon University, Physics Dept.
2014–Spring Conceptual Physics, theory and lab. Elon University, Physics Dept.
2013–Summer Introduction to Astronomy. Elon University, Physics Dept.
2010–Fall Phys 104 General Physics, UNC-CH, Physics Dept.
2010–Spring Introduction to Astronomy. Elon University, Physics Dept.
2010–Spring Conceptual Physics, theory and lab. Elon, Physics Dept.
2009–Summer Introduction to Astronomy. Duke University, Physics Dept.
2009–Spring Conceptual Physics, theory and lab. UNCG, Physics Dept.
2009–Spring Introduction to Astronomy, Duke University, Physics Dept.
2008–Fall Conceptual Physics, theory and lab. UNCG, Physics Dept.
2008–Fall Classical Mechanics, (Graduate Course) UNC-CH, Physics Dept.
2008–Summer Introduction to Astronomy. Duke University, Physics Dept.
2008–Spring Conceptual physics, theory and lab. UNCG, Physics Dept.
2007–Summer Introduction to Astronomy. Duke University, Physics Dept.
2001–Fall Astronomy computer lab. University of North Texas, Physics Dept.
2001–Spring Astronomy computer lab. University of North Texas, Physics Dept.
2000–Fall Astronomy computer lab. University of North Texas, Physics Dept.
2000–Spring Astronomy computer lab. University of North Texas, Physics Dept.
1999–Fall Astronomy computer lab. University of North Texas, Physics Dept.
1999–Spring Astronomy computer lab. University of North Texas, Physics Dept.

ATTIVITÀ DI DIDATTICA INTEGRATIVA E DI SERVIZIO AGLI STUDENTI

ATTIVITÀ DI RELATORE DI ELABORATI DI LAUREA, DI TESI DI LAUREA MAGISTRALE, DI TESI DI DOTTORATO E DI TESI DI SPECIALIZZAZIONE

2023-2026 Sedra Shafi, Dottorato, Climate change and natural climate variability and cycles.

2022 Mattia Buglione, Laurea Triennale, Le precipitazioni come possibile fattore di innesco dell'attività sismica e vulcanica nei Campi Flegrei e al Vesuvio.

2022 Gaetano Zanfardino, Laurea Triennale, Effetto dell'eruzione del Pinatubo a Napoli nel 1992.

2019 Daniela Esposito, Laurea Triennale, Riscaldamento locale nel centro storico di Napoli.

2018 Tatiana Rotondi, Laurea Magistrale, La siccità in Campania nel 2017.

2018 Ouyang Shenghui, Laurea Triennale, The uncertainty of climate sensitivity and its implications China's 100-year temperature pattern.

2017 Romeo Pasqualina, Laurea Magistrale, L'alluvione a Benevento dell'Ottobre 2016: Analisi, prevenzione e previsioni del fenomeno.

ATTIVITÀ DI TUTORATO DEGLI STUDENTI DI CORSI DI LAUREA E DI LAUREA MAGISTRALE E DI TUTORATO DI DOTTORANDI DI RICERCA
(inserire anno accademico, corso laurea, ecc.)

2023 Giorgia Morra Tirocinio Recupero ed analisi dei dati meteorologici storici dell'Osservatorio Meteorologico Federiciano, anni 1995-1996.

2022 Mattia Buglione Tirocinio Recupero ed analisi dei dati meteorologici storici dell'Osservatorio Meteorologico Federiciano, anni 1993-1994.

2021 Alessandro Gambardella Tirocinio Recupero ed analisi dei dati meteorologici storici dell'Osservatorio Meteorologico Federiciano, anno 1991.

2021 Mauro Rea Tirocinio Recupero ed analisi dei dati meteorologici storici dell'Osservatorio Meteorologico Federiciano, anno 1990.

2018 Gabriele Cozzolino Tirocinio Recupero ed analisi dei dati meteorologici storici dell'Osservatorio Meteorologico Federiciano.

2018 Franco Emiliano Tirocinio Recupero ed analisi dei dati meteorologici storici dell'Osservatorio Meteorologico Federiciano.

ATTIVITÀ DI RICERCA SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE
(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

Pubblicazioni con numero DOI:

113. Scafetta, N.: 2023. Reply to "Comment on 'Advanced Testing of Low, Medium, and High ECS CMIP6 GCM Simulations Versus ERA5-T2m' by N. Scafetta (2022)" by Schmidt, Jones, and Kennedy (2022). Geophysical Research Letters, in press.

112. Scafetta, N.: 2023. Empirical assessment of the role of the Sun in climate change using balanced multiproxy solar records. Geoscience Frontiers 14(6), 101650. DOI: 10.1016/j.gsf.2023.101650

111. Scafetta, N., Bianchini, A.: 2023. Overview of the Spectral Coherence between Planetary Resonances and Solar and Climate Oscillations. Climate 11(4), 77. DOI: 10.3390/cli11040077

110. Scafetta, N.: 2023. CMIP6 GCM Validation Based on ECS and TCR Ranking for 21st Century Temperature Projections and Risk Assessment. Atmosphere 14, 345. DOI: 10.3390/atmos14020345

109. Scafetta, N.: 2023. Comment on "Tidally Synchronized Solar Dynamo: A Rebuttal" by Nataf (Solar Phys. 297, 107, 2022). Solar Physics 298, 24. DOI: 10.1007/s11207-023-02118-5

108. Scafetta, N.: 2023. CMIP6 GCM ensemble members versus global surface temperatures. Climate Dynamics 60, 3091–3120. DOI: 10.1007/s00382-022-06493-w

107. Scafetta, N., Bianchini, A.: 2022. The planetary theory of solar activity variability: a review. Frontiers in Astronomy and Space Sciences, 937930. DOI: 10.3389/fspas.2022.937930

106. Scafetta, N.: 2022. Advanced Testing of Low, Medium, and High ECS CMIP6 GCM Simulations Versus ERA5-T2m. Geophysical Research Letters 49, e2022GL097716. DOI: 10.1029/2022GL097716

105. Bank, M.J., Scafetta, N.: 2022. Scaling, Mirror Symmetries and Musical Consonances Among the Distances of the Planets of the Solar System. Frontiers in Astronomy and Space Sciences 8, 758184. DOI: 10.3389/fspas.2021.758184

104. Scafetta, N.: 2021. Testing the CMIP6 GCM Simulations versus Surface Temperature Records from 1980–1990 to 2011–2021: High ECS Is Not Supported. Climate 9, 161. DOI: 10.3390/cli9110161

103. Connolly, R., Soon, W., Connolly, M., Baliunas, S., Berglund, J., Butler, C.J., Cionco, R.G., Elias, A.G., Fedorov, V.M., Harde, H., Henry, G.W., Hoyt, D.V., Humlum, O., Legates, D.L., Lüning, S., Scafetta, N., Solheim, J.-E., Szarka, L., van Loon, H., Herrera, V.M.V.,Willson, R.C., Yan, H., Zhang,W.: 2021. How much has the Sun influenced Northern Hemisphere temperature trends? An ongoing debate. Research in Astronomy and Astrophysics (Invited Review) 21, 131. DOI: 10.1088/1674-4527/21/6/131

102. Scafetta: 2021. Planetary, Solar and Climatic Oscillations: An Overview. Science of Climate Change 1(1), 98–111. DOI: 10.53234/scc202106/24

101. Qu, C., De Vivo, B., Albanese, S., Fortelli, A., Scafetta, N., Li, J., Hope, D., Cerino, P., Pizzolante, A., Qi, S., Lima, A.: 2021. High spatial resolution measurements of passive-sampler derived air concentrations of persistent organic pollutants in the Campania region, Italy: Implications for source identification and risk analysis. Environmental Pollution 286, 117248. DOI: 10.1016/j.envpol.2021.117248

100. Scafetta, N.: 2021. Detection of non-climatic biases in land surface temperature records by comparing climatic data and their model simulations. Climate Dynamics 56(9-10), 2959–2982.DOI: 10.1007/s00382-021-05626-x 99. Scafetta, N.: 2021. Reconstruction of the Interannual to Millennial Scale Patterns of the Global Surface Temperature. Atmosphere, 12, 147. DOI: 10.3390/atmos12020147

98. Scafetta, N., Mazzarella, A.: 2021. On the Rainfall Triggering of Phlegraean Fields Volcanic Tremors. Water, 13(2), 154. DOI: 10.3390/w13020154

97. Scafetta, N., Milani, F., Bianchini, A.: 2020. A 60-Year Cycle in the Meteorite Fall Frequency Suggests a Possible Interplanetary Dust Forcing of the Earth's Climate Driven by Planetary Oscillations. Geophysical Research Letters, 47(18), e2020GL089954. DOI: 10.1029/2020GL089954

96. Scafetta, N.: 2020. Distribution of the SARS-CoV-2 pandemic and its monthly forecast based on seasonal climate patterns. International Journal of Environmental Research and Public Health, 17(10), 3493. DOI: 10.3390/ijerph17103493

95. Scafetta, N.: 2020. Solar Oscillations and the Orbital Invariant Inequalities of the Solar System. Solar Physics, 295(2), 33. DOI: 10.1007/s11207-020-01599-y

94. Scafetta, N., Milani, F., Bianchini, A.: 2019. Multiscale Analysis of the Instantaneous Eccentricity Oscillations of the Planets of the Solar System from 13,000 BC to 17,000 AD. Astronomy Letters, 45(11), 778–790. DOI: 10.1134/S1063773719110094

93. Scafetta, N., Willson, R.C., Lee, J.N., Wu, D.L.: 2019. Modeling quiet solar luminosity variability from TSI satellite measurements and proxy models during 1980-2018. Remote Sensing, 11(21), 2569. DOI: 10.3390/rs11212569

92. Scafetta, N., Ouyang, S.: 2019. Detection of UHI bias in China climate network using Tmin and Tmax surface temperature divergence. Global and Planetary Change, 181, 102989. DOI: 10.1016/j.gloplacha.2019.102989

91. Scafetta, N., Mazzarella, A.: 2019. The city of the sun and Parthenope: classical astronomy and the planning of Neapolis, Magna Graecia. Journal of Historical Geography, 65, 29–47. DOI: 10.1016/j.jhg.2019.05.004

90. Fortelli, A., Scafetta, N., Mazzarella, A.: 2019. Nowcasting and real-time monitoring of heavy rainfall events inducing flash-floods: an application to Phlegraean area (Central-Southern Italy). Natural Hazards, 97(2), 861–889. DOI: 10.1007/s11069-019-03680-7

89. Cavazzani, S., Ortolani, S., Scafetta, N., Zitelli, V., Carraro, G.: 2019. Detection of a 14-d atmospheric perturbation peak at Paranal associated with lunar cycles. Monthly Notices of the Royal Astronomical Society: Letters, 484(1), L136–L140. DOI: 10.1093/mnrasl/slz017

88. Scafetta, N.: 2019. On the reliability of computer-based climate models. Italian Journal of Engineering Geology and Environment, 1, 50–70. DOI: 10.4408/IJEGE.2019-01.O-05

87. Scafetta, N.,Willson, R.C.: 2019. Comparison of decadal trends among total solar irradiance composites of satellite observations. Advances in Astronomy, 2019, 1214896. DOI: 10.1155/2019/1214896

86. Mazzarella, A., Scafetta, N.: 2018. The Little Ice Age was 1.0–1.5 °C cooler than current warm period according to LOD and NAO. Climate Dynamics, 51(9–10), 3957–3968. DOI: 10.1007/s00382-018-4122-6

85. Scafetta, N.: 2018. Reply on Comment on “High resolution coherence analysis between planetary and climate oscillations” by S. Holm. Advances in Space Research, 62, 334–342. DOI: 10.1016/j.asr.2018.05.014

84. Scafetta, N., Mazzarella, A.: 2018. Cultural noise and the night-day asymmetry of the seismic activity recorded at the Bunker-East (BKE) Vesuvian Station. Journal of Volcanology and Geothermal Research, 349, 117–127. DOI: 10.1016/j.jvolgeores.2017.10.010

83. Mazzarella, A., Scafetta, N.: 2017. Estimating Naples’ urban heat island effects using the March 20, 2015 partial solar eclipse. CSE Journal, City Safety Energy, 1, 63–69. DOI: 10.12896/cse201700100109

82. Scafetta, N., Mirandola, A., Bianchini, A.: 2017. Natural climate variability, part 1: Observations versus the modeled predictions. International Journal of Heat and Technology, 35, Special Issue 1, S9–S17. DOI: 10.18280/ijht.35Sp0102

81. Scafetta, N., Mirandola, A., Bianchini, A.: 2017. Natural climate variability, part 2: Interpretation of the post 2000 temperature standstill. International Journal of Heat and Technology, 35, Special Issue 1, S18–S26. DOI: 10.18280/ijht.35Sp0103

80. Scafetta, N., Fortelli, A., Mazzarella, A.: 2017. Meteo-climatic characterization of Naples and its heating-cooling degree day areal distribution. International Journal of Heat and Technology, 35, Special Issue 1, S137–S144. DOI: 10.18280/ijht.35Sp0119

79. Vitagliano, E., Di Maio, R., Scafetta, N., Calcaterra, D., Zanchettin, D.: 2017. Wavelet analysis of remote sensing and discharge data for understanding vertical ground movements in sandy and clayey terrains of the Po Delta area (Northern Italy). Journal of Hydrology, 550, 386–398. DOI: 10.1016/j.jhydrol.2017.05.017

78. Scafetta, N.: 2017. Comment on “An Indication of Intentional Efforts to Cause Global Warming and Glacier Melting” by J. Marvin Herndon. Journal of Geography, Environment and Earth Science International, 9(3): 1-5, Article no.JGEESI.32479. DOI: 10.9734/JGEESI/2017/32479

77. Fortelli, A., Scafetta, N., Mazzarella, A.: 2016. Local Warming in the Historical Center of Naples. International Journal of Heat and Technology, 34, Special Issue 2, S569–S572. DOI: 10.18280/ijht.34Sp0252

76. Scafetta, N.: 2016. Problems in Modeling and Forecasting Climate Change: CMIP5 General Circulation Models versus a Semi-Empirical Model Based on Natural Oscillations. International Journal of Heat and Technology, 34, Special Issue 2, S435–S442. DOI: 10.18280/ijht.34Sp0235

75. Scafetta, N., Milani, F., Bianchini, A., Ortolani, S.: 2016. On the astronomical origin of the Hallstatt oscillation found in radiocarbon and climate records throughout the Holocene. Earth-Science Reviews, 162, 24–43. DOI: 10.1016/j.earscirev.2016.09.004

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73. Mazzarella, A., Scafetta, N.: 2016. Evidences for higher nocturnal seismic activity at the Mt. Vesuvius. Journal of Volcanology and Geothermal Research, 321, 102–113. DOI: 10.1016/j.jvolgeores.2016.04.026

72. Scafetta, N.: 2016. High resolution coherence analysis between planetary and climate oscillations. Advances in Space Research, 57(10), 2121–2135. DOI: 10.1016/j.asr.2016.02.029

71. Scafetta, N., Mazzarella, A.: 2016. Effects of March 20, 2015, partial (~50%) solar eclipse on meteorological parameters in the urban area of Naples (Italy). Annals of Geophysics, 59(1), A0106, 9 pages. DOI: 10.4401/ag-6899

70. Scafetta, N., Mazzarella, A.: 2015. The Arctic and Antarctic Sea-Ice Area Index Records versus Measured and Modeled Temperature Data. Advances in Meteorology, 2015, Article ID 481834, 8 pages. DOI: 10.1155/2015/481834

69. Scafetta, N., Mazzarella, A.: 2015. Spectral coherence between climate oscillations and the M ≥ 7 earthquake historical worldwide record. Natural Hazard, 76, 1807–1829. DOI: 10.1007/s11069-014-1571-z

68. Scafetta, N.: 2014. Discussion on the spectral coherence between planetary, solar and climate oscillations: a reply to some critiques. Astrophysics and Space Science, 354, 275–299. DOI: 10.1007/s10509-014-2111-8

67. Scafetta, N.: 2014. Global temperatures and sunspot numbers. Are they related? Yes, but non-linearly. A reply to Gil-Alana et al. (2014). Physica A: Statistical Mechanics and its Applications, 413, 329–342. DOI: 10.1016/j.physa.2014.06.047

66. Scafetta, N.: 2014. Multi-scale dynamical analysis (MSDA) of sea level records versus PDO, AMO, and NAO indexes. Climate Dynamics, 43, 175–192. DOI: 10.1007/s00382-013-1771-3

65. Scafetta, N.: 2014. Comment on “Tiny warming of residual anthropogenic CO2”. International Journal of Modern Physics B 28, 1475001. DOI: 10.1142/S0217979214750010

64. Scafetta, N.,Willson, R.C.: 2014. ACRIM total solar irradiance satellite composite validation versus TSI proxy models. Astrophysics and Space Science, 350(2), 421–442. DOI: 10.1007/s10509-013-1775-9

63. Scafetta, N.: 2014. The complex planetary synchronization structure of the solar system. In the Special Issue “Pattern in solar variability, their planetary origin and terrestrial impacts”, Eds: N.-A. Mörner, R. Tattersall, and J.-E. Solheim. Pattern Recognition in Physics, 2, 1–19. DOI: 10.5194/prp-2-1-2014

62. Mörner, N.-A., Tattersall, R., Solheim, J.-E., Charvatova, I., Scafetta, N., Jelbring, H., Wilson, I.R., Salvador, R., Willson, R.C., Hejda, P., Soon, W., Velasco Herrera, V.M., Humlum, O., Archibald, D., Yndestad, H., Easterbrook, D., Casey, J., Gregori, G., Henriksson, G., 2013. General conclusions regarding the planetary–solar–terrestrial interaction. In the Special Issue “Pattern in solar variability,

their planetary origin and terrestrial impacts", Eds: N.-A. Mörner, R. Tattersall, and J.-E. Solheim. Pattern Recognition in Physics, 1, 205–206. DOI: 10.5194/prp-1-205-2013

61. Scafetta, N., Willson, R.C.: 2013. Multi-scale comparative spectral analysis of satellite total solar irradiance measurements from 2003 to 2013 reveals a non-linear planetary modulation of solar activity depending on the 11-year solar cycle. In the Special Issue "Pattern in solar variability, their planetary origin and terrestrial impacts", Eds: N.-A. Mörner, R. Tattersall, and J.-E. Solheim. Pattern Recognition in Physics, 1, 123–133. DOI: 10.5194/prp-1-123-2013

60. Scafetta, N.,Willson, R.C.: 2013. Empirical evidences for a planetary modulation of total solar irradiance and the TSI signature of the 1.09-year Earth-Jupiter conjunction cycle. Astrophysics and Space Science, 348, 25–39. DOI: 10.1007/s10509-013-1558-3

59. Scafetta, N.: 2013. Discussion on climate oscillations: CMIP5 general circulation models versus a semiempirical harmonic model based on astronomical cycles. Earth-Science Reviews, 126, 321–357. DOI: 10.1016/j.earscirev.2013.08.008

58. Scafetta, N.: 2013. Reply to Benestad's comment on "Discussions on common errors in analyzing sea level accelerations, solar trends and global warming" by Scafetta (2013). Pattern Recognition in Physics, 1, 105–106. DOI: 10.5194/prp-1-105-2013

57. Scafetta, N.: 2013. Solar and planetary oscillation control on climate change: hind-cast, forecast and a comparison with the CMIP5 GCMS. Chapter in "Mechanisms of Climate Change and the AGW Concept: a critical review" Energy & Environment, 24(3-4), 455–496. DOI: 10.1260/0958-305X.24.3-4.455

56. Scafetta, N.: 2013. Discussion on common errors in analyzing sea level accelerations, solar trends and temperature records. Pattern Recognition in Physics, 1, 37–57. DOI: 10.5194/prp-1-37-2013

55. Scafetta, N., Humlum, O., Solheim, J.-E., Stordahl, K.: 2013. Comment on "The influence of planetary attractions on the solar tachocline" by Callebaut, de Jager and Duhau. Journal of Atmospheric and Solar–Terrestrial Physics, 102, 368–371. DOI:10.1016/j.jastp.2013.03.007

54. Scafetta, N., Willson, R.C.: 2013. Planetary harmonics in the historical Hungarian aurora record (1523-1960). Planetary and Space Science, 78, 38–44. DOI: 10.1016/j.pss.2013.01.005

53. Mazzarella, A., Giuliacci, A., Scafetta, N.: 2013. Quantifying the Multivariate ENSO Index (MEI) coupling to CO2 concentration and to the length of day variations. Theoretical and Applied Climatology, 111, 601–607. DOI: 10.1007/s00704-012-0696-9

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ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI
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2010-14 Co-P.I.: ACRIM - NASA Earth Sciences: ACRIMSAT/ACRIM3 Project (NASA→ JPL→ ACRIM, USA).

(ACRIM) Active Cavity Radiometer Irradiance Monitor Satellite

https://eospso.nasa.gov/missions/active-cavity-radiometer-irradiance-monitor-satellite

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9. Section ST4.2. Extreme space weather scenarios. Conveners: C. Armiens, N. Meredith, A. Thomson, A. Hady, C. Amory-Mazaudier, V. Zharkova, N. Scafetta. European Geosciences Union, General Assembly 2016, Vienna, Austria, April 17-22, 2016.

8. Workshop to develop and explore new approaches to analyzing past, present and future climate dynamics. Presiding: O. Humlum, UNIS and University of Oslo, Norway; N. Scafetta, ACRIM & Duke University, USA. Svalbard, Norway. October 28-31, 2013.

7. Section GC23B. Global Environmental Change: General Contributions I Posters. Presiding: R. C. Willson, ACRIM; W. M. Griffin and N. Scafetta, Duke University. American Geophysical Union, Joint Assembly, San Francisco, CA, USA. December 2012.

6. Section GC23C. Global Environmental Change: General Contributions II Poster. Presiding: N. Scafetta,

Duke University; A. Mitchell, Carnegie Mellon University. American Geophysical Union, Joint Assembly, San Francisco, CA, USA. December 2012.

5. Section GC11A. Diverse Views From Galileo'sWindow: Solar Forcing of Climate Change Posters (joint with SH, A). Presiding: N. Scafetta, Duke University; R. C. Willson, ACRIM. American Geophysical Union, Joint Assembly, San Francisco, CA, USA. December 15-19, 2009.

4. Section GC42A. Solar Variability III: Total Solar Irradiance Monitoring, Proxy Reconstructions, and Climate Implications (joint with A, SA, SH). Presiding: N. Scafetta, Duke University; R. C. Willson, ACRIM. American Geophysical Union, Joint Assembly, San Francisco, CA, USA. December 2007.

3. Section GC31B. Solar Variability I Posters (joint with A, SA, SH). Presiding: C. H. Jackman, NASA Goddard Space Flight Center; N. Scafetta, Duke University; R. Willson, Columbia University; J. P. McCormack, Space Science Division, Naval Research Laboratory. American Geophysical Union, Joint Assembly, San Francisco, CA, USA. December 2007.

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1. Section SH22B. A Critical Review of Measurements and Models of Composite Total Solar Irradiance I (joint with A, GC, SP). Presiding: R C Willson, Columbia University; N. Scafetta, Duke University. American Geophysical Union, Joint Assembly New Orleans, May 23-27, 2005.

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SEMINARI e ALTRE PRESENTAZIONI PUBBLICHE

78. Scafetta, N.: 2023. «Comprendere i cambiamenti climatici». Convegno "La fine della globalizzazione: la nuova struttura geopolitica". Villanova, 29 Luglio 2023.

77. Scafetta, N.: 2023. «Understanding Climate Change». Podcast with Tom Nelson, 13 Luglio 2023. https://www.youtube.com/watch?v=OMyLGPmb1m8

76. Scafetta, N.: 2023. «Comprendere i cambiamenti climatici». Convegno "Quale Agenda 2030". Roma, 25 Giugno 2023.

75. Scafetta, N.: 2023. «Il ruolo dell'attività solare sui cambiamenti climatici: incertezze e conseguenze». Convegno "Il ruolo dell'attività solare sull'equilibrio della magnetosfera terrestre e sui cambiamenti climatici. Aspetti e considerazioni di Fisica Ambientale e di Ingegneria Nucleare". Ordine degli Ingegneri della Provincia di Roma, Roma, 30 Marzo 2023.

74. Scafetta, N.: 2023. «Cambiamenti Climatici». Convegno "Custodire l'Ambiente Custodendo l'Uomo". Centro PIME, Milano, 25 Marzo, 2023.

73. Scafetta, N.: 2023. «Comprendere i cambiamenti climatici». Al Rotary Posillipo, Napoli, 27 Febbraio, 2023.

72. Scafetta, N.: 2023. Presentazione del libro «Dialoghi sul Clima: tra emergenza e conoscenza». Conferenza stampa “Custodire l’Ambiente Custodendo l’Uomo” Hotel Nazionale di Via di Monte Citorio, Roma. 2 Febbraio, 2023.

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67. Scafetta, N.: 2022. Interpretazione del cambiamento climatico: dai modelli basati sulla CO2 a modelli basati sull’oscillazione astronomica. At the Ferrari. Maranello, Italy. 25 Maggio, 2022.

66. Scafetta, N.: 2022. L’organizzazione armoniosa del sistema solare: dai pianeti al sole e il clima. At the Accademia di Scienze fisiche e matematiche di Napoli. Napoli, Italy. 18 Marzo, 2022.

65. Scafetta, N.: 2022. Interpretazione del cambiamento climatico passato e recente. At the Istituto Istruzione Superiore Tulliano Arpino. Arpino, Frosinone, Italy. 31 Maggio, 2022.

64. Scafetta, N.: 2022. Napoli, Città del Sole e di Partenope: la nascita di Napoli e i Pitagorici. At the Sezione di Astronomia Culturale - Unione Astrofili Napoletani. Napoli, Italy. 10 Maggio, 2022.

63. Scafetta, N.: 2022. Il Clima della Terra Un pò di Dati e di Storia. At the Apicoltori Campani Associati. Italy. 11 February, 2022.

62. Scafetta, N.: 2022. Interpretazione del cambiamento climatico: dai modelli basati sulla CO2 a modelli basati sull’oscillazione astronomica. At the Università degli Studi del Sannio di Benevento. Benevento, Italy. 2 Febbraio, 2022.

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57. Scafetta, N.: 2021. Napoli: la Città del Sole e di Partenope. At the “La Rigenerazione di Forcella”. At the Associazione Annalisa Durante, Radio Ribelta, Italy. 26 April, 2021.

56. Scafetta, N.: 2021. Riscaldamento Globale: fattori astronomici ed antropici. At the Associazione Lodi Liberale, Italy. 22 February, 2021.

55. Scafetta, N.: 2021. Capire i cambiamenti climatici: L’uomo e la Natura. At the Istituti Comprensivi di Polesella (Rovigo), Rovigo 3 (Rovigo) e Marconi-Frosini (Pistoia), Italy. 17 March, 2021.

54. Scafetta, N.: 2021. Capire i Cambiamenti Climatici: L'Uomo e la Natura. At the Liceo Scientifico Paleocapa di Rovigo, Italy. 10 March, 2021.

53. Scafetta, N.: 2021. La Geometria Segreta della Natura. At the Liceo Scientifico Paleocapa di Rovigo, Italy. 3 March, 2021.

52. Scafetta, N.: 2021. La Geometria Segreta della Natura. At the Istituti Comprensivi di Polesella (Rovigo), Rovigo 3 (Rovigo) e Marconi-Frosini (Pistoia), Italy. 27 Jan., 2021.

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50. Scafetta, N.: 2019. Dal MedievalWarm Period al CurrentWarm Period il clima europeo e la circolazione atmosferica e oceanica. Milan, Italy. 13 May, 2019.

49. Scafetta, N.: 2019. Napoli: la Città del Sole e di Partenope. At the Dipartimento di Studi Umanistici Corso Umberto Napoli, Università degli Studi di Napoli Federico II. Napoli, Italy. 24 October, 2019.

48. Scafetta, N.: 2019. Dubbi sulla Tesi del Riscaldamento Globale Antropico. Roma, Italy. 18 October, 2019.

47. Scafetta, N.: 2019. Il contributo della fisica dell'atmosfera per lo studio dei cambiamenti climatici. Teramo, Italy. 28 May, 2019.

46. Scafetta, N.: 2019. Riscaldamento Globale: fattori astronomici ed antropici. Trento, Italy. 30 November, 2019.

45. Scafetta, N.: 2019. Capire il cambiamento climatico i modelli, il riscaldamento antropico e le oscillazioni naturali. Verona, Italy. 16 November, 2019.

44. Scafetta, N.: 2019. Capire il cambiamento climatico i modelli, il riscaldamento antropico e le oscillazioni naturali. Napoli, Italy. 4 December, 2019.

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42. Scafetta, N.: 2018. Variazioni del clima: concause e conseguenze. At the Istituto Pagano-Bernini. Napoli, Italy. 11 Gennaio, 2018.

41. Scafetta, N.: 2018. Variazioni del clima: concause e conseguenze. At the Istituto Pagano-Bernini. Napoli, Italy. 11 Gennaio, 2018.

40. Scafetta, N.: 2016. Cause Astronomiche dei Cambiamenti Climatici. In: Cambiamenti Climatici. Faenza: Societa' Torricelliana di Scienze e Lettere, Faenza (Italy), 26 November, 2016.

39. Scafetta, N.: 2016. I cambiamenti climatici: presente, passato e futuro. In: Seminari del Real Museo Mineralogico dell'Università Federico II. Real Museo Mineralogico dell'Università Federico II, Napoli, Italy. February 25, 2016.

38. Scafetta, N.: 2016. La previsione climatica nella complessita' del sistema Terra-Sole. In: Previsione e prevedibilita' dei disastri naturali. Accademia delle Scienze dell'Istituto di Bologna. Bologna, Italy. November 29 - December 1, 2016.

37. Scafetta, N.: 2015. Influenze astronomiche e oscillazioni naturali del clima terrestre. Presented at the conference "Storia ed evoluzione del clima terrestre." Padova, Italy. 28 October 2015.

36. Scafetta, N.: 2015. Capire il cambiamento climatico. Presented at the conference “Riscaldamento globale tra verità e falsi miti.” Campobasso, Italy. 10 October 2015.

35. Scafetta, N.: 2013. The Sun, the Moon, and the Planets: The Astronomical Origins of Climate Change on Earth (Invited). At the John Locke Foundation. USA, 18 November 2013.

34. Scafetta, N.: 2013. The Sun and the Planets control the climate: the IPCC models fail. At the University of Oslo, Norway. August 28, 2013.

33. Scafetta, N.: 2013. Does the Sun work as a nuclear fusion amplifier of planetary tidal forcing? At the Institute of Theoretical Astrophysics in Oslo, Norway. August 29, 2013.

32. Scafetta, N.: 2011. Climatic cycles and their implication. At. Zeche Zollverein, Essen, Germany. 20 June, 2011

31. Scafetta, N.: 2011. The climate oscillations: analysis, implications and their astronomical origin. At the Seoul National University, Seoul, South Korea. 4 January, 2011.

30. Scafetta, N.: 2010. Celestial origins of the climate oscillations. Presented at University of Napoli, Italy. 16 July, 2010.

29. Scafetta, N.: 2010. Celestial origins of the climate oscillations. Presented at University of Pisa, Italy. 5 July, 2010.

28. Scafetta, N.: 2010. Celestial origins of the climate oscillations, a review. At the Old Dominion University, Norfolk,Virginia, USA. 11 February, 2010.

27. Scafetta, N.: 2009. Noise Classification e Fractal Response of Physiological Signals to Stress Conditions, Environmental Changes and Neurodegenerative Diseases. At the Department of Anesthesiology, Duke University, North Carolina, USA. 29 September, 2009.

26. Scafetta, N.: 2009. Interpreting complex time series: A multidisciplinary overview about some challenges for interpreting complex systems. At the Loyola University, New Orleans, Louisiana, 30 April, 2009.

25. Scafetta, N.: 2009. The three-tiered science of complex systems: Data, Knowledge and Information. A multidisciplinary overview about the challenges of interpreting complex systems. At the Northeastern University, Boston, Massachusetts, USA. 26 March, 2009.

24. Scafetta, N.: 2009. Climate Change and Its causes: A Discussion about Some Key Issues. Presented at the University of North Carolina Wilmington. Wilmington, North Carolina, USA. 11 February, 2009.

23. Scafetta, N.: 2008. Solar dynamics, global warming and beyond: A discussion about the science of complexity. Presented at Dept. of Physics, University of North Carolina - Greensboro, North Carolina, USA. 18 April, 2008.

22. Scafetta, N.: 2008. Is the Sun Warming the Climate? Presented at John Locke Foundation. Raleigh, North Carolina, USA. 14 April, 2008.

21. West, B.J., Scafetta, N.: 2007. The Average is Truly Exceptional. Presented at SCIPS, Chapman University, Orange, California, USA. 27 July, 2007.

20. West, B.J., Scafetta, N.: 2007. Where Medicine Went Wrong. At the Plexus Institute, Circle S Ranch, Kansas, USA. 24 July, 2007.

19. West, B.J., Scafetta, N.: 2007. The Average Person is Truly Exceptional. At the Biotechnology HPC Software Applications Institute, Telemedicine and Advanced Technology Research Center, U.S. Army Medical Research and Materiel Command, Fort Detrick, Maryland, USA. 7 June, 2007.

18. West, B.J., Scafetta, N.: 2007. Fractal Calculus Modeling Physiologic Networks." At the Biotechnology HPC Software Applications Institute, Telemedicine and Advanced Technology Research Center, U.S. Army Medical Research and Materiel Command, Fort Detrick, Maryland, USA. 7 June, 2007.

17. West, B.J., Scafetta, N.: 2007. The Fractional Calculus and Dynamic Fractals. At the North Carolina State University. Raleigh, North Carolina, USA. 23 February, 2007.

16. Scafetta, N.,West, B.J.: 2006. Phenomenological solar signature in 400 years of reconstructed Northern Hemisphere temperature record. At the University of Trento, Department of Environmental Engineering, Trento, Italy. 1 May, 2006.

15. Scafetta, N., West, B.J.: 2006. Is the Sun Warming the Earth and is its Contribution to Climate Change Underestimated by Climate Models? A Phenomenological Study on Global Warming. At the Elon University, Department of Physics. Elon, North Carolina, USA. 6 April, 2006.

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13. Scafetta, N., Picozzi, S., West, B.J.: 2004. The anthropogenic factor in the Gamma-Pareto distributions of wealth. At the Center for Nonlinear Science at Physics Department, Duke University, Durham, North Carolina, USA. 27 April, 2004.

12. West, B.J., Scafetta, N.: 2004. Solar Intermittency in earth's global and regional temperature anomalies. At the Department of Physics, Texas Tech University, Lubbock, Texas, USA. 8 April, 2004.

11. West, B.J., Scafetta, N.: 2004. Introduction to Fractals, Networks & Power Laws: How Biology and Medicine Fit In. Presented at US Army Institute of Surgical Research Scientific Seminar, Ft. Sam Houston. 7 Apr.

10. West, B.J., Scafetta, N.: 2004. A multifractal dynamical model of human gait. Presented at Fourth International Symposium on Fractals in Biology and Medicine in Ascona, Switzerland. 9 March, 2004.

9. West, B.J., N. Scafetta, N.: 2004. Complexity produces strange kinetics and dynamics. Presented at Physics Department, Warclaw Technical University, Warclaw, Poland. 7 March, 2004.

8. West B.J., Scafetta, N.: 2004. Introduction to Fractals, Networks & Power Laws: How Biology and Medicine Fit In. presented atWarclaw Technical University,Medical School,Warclaw, Poland. 4 March, 2004.

7. Scafetta, N., West, B.J.: 2003. Solar intermittency in earth's global and regional temperature anomalies. At the Center for Nonlinear and Complex Systems, Physics Department, Duke University, Durham, North Carolina, USA. 25 March, 2003.

6. West, B.J., Scafetta, N., Griffin, L.: 2003. Introduction to Fractals, Networks and Power Laws: How Biology and Medicine Fit In or The Importance of Variability. At the University of Manitoba Winnipeg, Canada. May 29, 2003.

5. Scafetta, N., West, B.J.: 2003. Solar intermittency in earth's global and regional temperature anomalies. Presented at Civil and Environmental Department of Pratt school of Engineering. Duke University, Durham, North Carolina, USA. June 27 2003.

4. West, B.J., Scafetta, N.: 2003. Complexity produces strange kinetics and dynamics. Presented at the Center for Nonlinear Science at Physics Department,Duke University, Durham, North Carolina, USA. 7 October, 2003.

3. West, B.J., Scafetta, N.: 2003. Complexity produces strange kinetics and dynamics. Presented at the Physics Department, University of Illinois, Chicago, USA. 9 October 9, 2003.

2. West B.J., Scafetta, N.: 2003. Complexity produces strange kinetics and dynamics. Presented at the Physics Department, University of North Texas. Denton, Texas, USA. 21 October, 2003.

1. West, B.J., Scafetta, N. Griffin, L.: 2002. Fractal Physiology and Chaos in Medicine. Presented at University of Texas Medical Branch, Galveston, Texas, USA. 16 December, 2002.

COMUNICATI STAMPA

Università di Napoli Federico II

1. Riscaldamento globale. E' tutta colpa del Sole: http://www.unina.it/-/26486448-riscaldamento-globale-e-tutta-colpa-del-sole
2. La pioggia e il tremore sismico ai Campi Flegrei: http://www.unina.it/-/24874448-la-pioggia-e-il-tremore-sismico-ai-campi-flegrei
3. 168 docenti federiciani tra i migliori scienziati mondiali: https://www.unina.it/-/24789938-168-docenti-tra-i-migliori-ricercatori-al-mondo
4. Osservatorio Federiciano per l'Ambiente e Salute (OFeAS): http://www.unina.it/-/22170947-osservatorio-federiciano-per-lambiente-e-salute-ofeas-
5. Condizioni meteo-climatiche e contagi di COVID-19: http://www.unina.it/-/22121560-condizioni-meteo-climatiche-e-contagi-di-covid-19
6. Condizioni meteo e contagi di COVID-19: http://www.unina.it/-/21823523-condizioni-meteo-e-contagi-di-covid-19
7. 90 federiciani tra gli scienziati più importanti al mondo: http://www.unina.it/-/19635285-90-federiciani-tra-gli-scienziati-piu-importanti-al-mondo-
8. Le alluvioni lampo a Pozzuoli sono dovute ad Ischia e sono prevedibili: http://www.unina.it/-/19559681-le-alluvioni-lampo-a-pozzuoli-sono-dovute-ad-ischia-e-sono-prevedibili-
9. La Neapolis greca è stata progettata per essere la Città del Sole e di Partenope: http://www.unina.it/-/19215673-la-neapolis-greca-e-stata-progettata-per-essere-la-citta-del-sole-e-di-partenope-
10. Le oscillazioni solari e climatiche sono dovute alle orbite dei pianeti: http://www.unina.it/-/13072409-le-oscillazioni-solari-e-climatiche-sono-dovute-alle-orbite-dei-pianeti-
11. I cambiamenti climatici: presente, passato e futuro: http://www.unina.it/-/12106456-i-cambiamenti-climatici-presente-passato-e-futuro
12. Nicola Scafetta e l'origine astronomica delle oscillazioni climatiche: http://www.unina.it/-/1335736-nicola-scafetta-e-l-origine-astronomica-delle-oscillazioni-climatiche

ALTRI

2023 Nicola Scafetta. Understanding the role of the sun in climate change. https://phys.org/news/2023-07-role-sun-climate.html

2022 Nicola Scafetta and Michael J. Bank. "The Music of the Spheres": We think that we've found its equation. https://sciencex.com/news/2022-01-music-spheres-weve-equation.html

2014 NASA. Sun sets for a NASA solar monitoring spacecraft. https://phys.org/news/2014-08-sun-nasa-solar-spacecraft.html

2011 American Institute of Physics. A new mathematical model explains patterns of human movement by considering the costs. https://phys.org/news/2011-10-mathematical-patterns-human-movement.html

2005 Duke University. Sun's direct role in global warming may be underestimated, Duke physicists report. https://phys.org/news/2005-09-sun-role-global-underestimated-duke.html

ATTIVITÀ GESTIONALI, ORGANIZZATIVE E DI SERVIZIO

INCARICHI DI GESTIONE E AD IMPEGNI ASSUNTI IN ORGANI COLLEGIALI E COMMISSIONI, PRESSO RILEVANTI ENTI PUBBLICI E PRIVATI E ORGANIZZAZIONI SCIENTIFICHE E CULTURALI, OVVERO PRESSO L'ATENEO O ALTRI ATENEI

In servizio al DiSTAR:

2019-date. Responsabile delle attività didattiche e di ricerca (RADOR) dell'Osservatorio Meteorologico dell'Università degli Studi di Napoli Federico II in San Marcellino: http://www.meteo.unina.it/

2018-date Membro del Collegio Docenti per i Dottorati di Ricerca per:

Ciclo 38: http://www.distar.unina.it/it/collegio-dei-docenti/xxxviii-ciclo
Ciclo 37: http://www.distar.unina.it/it/collegio-dei-docenti/xxxvii-ciclo
Ciclo 36: http://www.distar.unina.it/it/collegio-dei-docenti/xxxvi-ciclo
Ciclo 35: http://www.distar.unina.it/it/collegio-dei-docenti/xxxv-ciclo
Ciclo 34: http://www.distar.unina.it/it/collegio-dei-docenti/xxxiv-ciclo

2016-2018 Membro del Consiglio (Giunta) del dipartimento (DiSTAR).

2017-2018 Coordinatore della commissione di dipartimento per i rapporti con le scuole.

2016-2018 Membro della commissione per la revisione del corso in scienze geologiche.

Data 24/07/2023 Luogo Napoli