

UNIVERSITÀ DEGLI STUDI DI MILANO

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Fabrizio Nieri

CURRICULUM VITAE

Informazioni Personali

Nome: Fabrizio.

Cognome: Nieri.

Data di nascita: 23/05/1983.



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Academic Positions

Humboldt Fellow – Theory Group,
Deutsches Elektronen-Synchrotron (DESY), Hamburg (Germany), since March 2020.

PostDoc – Theory Group,
Deutsches Elektronen-Synchrotron (DESY), Hamburg (Germany), October 2018 – February 2020.

PostDoc – Mathematical Physics Group,
Uppsala University, Uppsala (Sweden), October 2015 – September 2018.

Education

PhD in Mathematical Physics,
Department of Mathematics, University of Surrey, Guildford (UK), October 2015.
Advisor: Dr. Sara Pasquetti.
Thesis: *Integrable structures in supersymmetric gauge theories*.

Laurea Specialistica in Scienze Fisiche e Astrofisiche (2nd cycle degree in Physics),
Università degli Studi di Firenze, Firenze (Italy), April 2011.
Advisor: Prof. Domenico Seminara.
Thesis: *Supersymmetric Wilson loops in the AdS/CFT correspondence*.
Final Grade: 110/110 cum laude.

Laurea in Fisica (1st cycle degree in Physics),
Università degli Studi di Firenze, Firenze (Italy), April 2006.
Advisor: Prof. Stefania de Curtis.
Thesis: *Path integrals in quantum mechanics*.
Final Grade: 108/110.

Additional Academic Qualifications

ASN (national scientific habilitation) in Mathematical Physics,
by the Italian Ministry of Education, University and Research (Italy), November 2020.

Certificate in Supervising PhD Students,
by Uppsala University, Uppsala (Sweden), June 2017.

Research interests (publications at <http://inspirehep.net/F.Nieri1>)

Quantum Field Theory and Strings	Supersymmetry	Dualities
Integrable Systems	Quantum Algebras	Mathematical Methods

Fellowships and Awards

Simons Bridge Fellowship,
by Simons foundation and Trinity College Dublin, Dublin (Ireland), September 2021 – August 2023.

Procope Mobility Grant 2020,
by the French Embassy in Germany and the DAAD, IMB Dijon (France), August 2020 – September 2020.

Humboldt Fellowship,
by Alexander von Humboldt foundation (Germany), March 2020 – February 2022.

Visiting Graduate Fellowship,
by Perimeter Institute for Theoretical Physics, Waterloo (Canada), March 2014 – June 2014.

EPSRC funded PhD Studentship,
by University of Surrey, Guildford (UK), October 2012 – September 2015.

Teaching Experience

Tutoring of PhD students,
Uppsala University, Uppsala (Sweden), October 2016 – September 2018.

Tutoring and marking for *Classical Electrodynamics* and *Lagrangian and Hamiltonian Dynamics*,
University of Surrey, Guildford (UK), October 2013 – December 2013.

Organisational Works

Coordination of virtual meetings of the Mathematical Physics group at DESY,
Hamburg (Germany), since January 2021.

Organization of Theoretical Physics seminars at Uppsala University,
Uppsala (Sweden), October 2016 – July 2018.

Referee Activity

Journal of High Energy Physics (Springer).

Journal of Physics A: Mathematical and Theoretical (IOP).

Symmetry, Integrability and Geometry: Methods and Applications (Free Journal Network).

Conference Talks

Quiver $W_{\epsilon_1, \epsilon_2}$ algebras of $4d \mathcal{N} = 2$ gauge theories,
at “BPS/CFT correspondence”,
Centre International de Rencontres Mathématiques, Marseille (France), September 2019.

Supersymmetric localization of $4d \mathcal{N} = 1$ theories on $\mathbb{D}^2 \times \mathbb{T}^2$,
at “Nordic String Theory Meeting”,
Max-Planck-Institut für Gravitationsphysik, Potsdam (Germany), March 2019.

Localization on compact spaces, q - W algebras & modularity,
at “Geometric Correspondences of Gauge Theories”,
ESI, Vienna (Austria), September 2018.

Localization on compact spaces, q - W algebras & modularity,
at “Localization Techniques in Quantum Field Theories”,
Simons Center for Geometry and Physics, Stony Brook (US), March 2018.

Deformed Virasoro algebras in supersymmetric gauge theories,
at “Problemi Attuali di Fisica Teorica”,
Vietri (Italy), March 2016.

Factorisation and holomorphic blocks in $4d$,
at “V Workshop on Geometric Correspondences of Gauge Theories”,
SISSA, Trieste (Italy), July 2015.

Holomorphic blocks for supersymmetric gauge theories in various dimensions,
at “Perspectives in Physical Mathematics”,
University of Bologna, Bologna (Italy), December 2014.

$3d$ & $5d$ SUSY partition functions as q -deformed CFT correlators,
at “3rd South East Mathematical Physics Seminar”,
City University, London (UK), November 2014.

$3d$ & $5d$ SUSY partition functions as q -deformed CFT correlators,
at “STAL2013: Supersymmetric Theories on curved manifolds and Localization”,
University of Parma, Parma (Italy), November 2013.

Personal

Born: 23 May 1983, Livorno, Italy.

Citizenship: Italian.

Family status: married with Irene since 2017, one baby Nora since 2019.

Languages: Italian (mother tongue), English (IELTS 7.0), German (A1.1).

Programming skills: Wolfram Mathematica, basics of C.

Other Interests: I play classical piano and I like theater, cinema, cooking (eating as well).

Other Experience: Usher at Pergola Theater, Firenze (Italy), October 2011 – June 2012, January 2010 – April 2010.

March 14, 2021

Fabrizio Nieri