Giampaolo Folena

Nazionalità: Italiana | Indirizzo e-mail: | Indirizzo: Italia (Lavoro)

PRESENTAZIONE

Ricercatore in fisica dei sistemi disordinati, specializzato in dinamica di ottimizzazione nei modelli di vetri.

ESPERIENZA LAVORATIVA

01/05/2020 – 31/10/2022 Paris

POSTDOC CHICAGO UNIVERSITY / ÉCOLE NORMALE SUPÉRIEURE

Studio delle fluttuazioni nei modelli di campo medio.

01/11/2022 – 31/08/2023 Durham, Stati Uniti

POSTDOC DUKE UNIVERSITY

Studio del confinamento e del jamming in vetri semplici.

01/09/2023 – 31/08/2024 Toulouse, Francia

POSTDOC UNIVERSITÉ PAUL SABATIER

Studio teorico dell'evoluzione aperta.

ISTRUZIONE E FORMAZIONE

01/09/2016 – 10/03/2020 Roma / Paris

DOTTORATO IN FISICA Università di Roma "La Sapienza" / LPTMS - Université Paris-Sud

Livello EQF Livello 8 EQF

PUBBLICAZIONI

2020

Rethinking Mean-Field Glassy Dynamics and Its Relation with the Energy Landscape: The Surprising Case of the Spherical Mixed p-Spin Model

Giampaolo Folena, Silvio Franz, and Federico Ricci-Tersenghi, Phys. Rev. X 10, 031045, 2020

2021

Gradient Descent Dynamics in the Mixed P-Spin Spherical Model: Finite-Size Simulations and Comparison with Mean-Field Integration

Giampaolo Folena, Silvio Franz, and Federico Ricci-Tersenghi, J. Stat. Mech. (2021) 033302

2022

Local Dynamical Heterogeneity in Simple Glass Former

G. Biroli, P. Charbonneau, G. Folena, Yi Hu, F. Zamponi, Phys. Rev. Lett. 128, 175501, 2022

2022

Marginal stability of soft anharmonic mean field spin glasses

Giampaolo Folena and Pierfrancesco Urbani J. Stat. Mech. (2022) 053301

2022

Equilibrium fluctuations in mean-field disordered models

G. Folena, G. Biroli, P. Charbonneau, Yi Hu, F. Zamponi, Phys. Rev. E 106, 024605, 2022

2022

Introduction to the dynamics of disordered systems: equilibrium and gradient descent

G. Folena, A. Manacorda, F. Zamponi, J. Phys. A, 2022.128152

2023

On weak ergodicity breaking in mean-field spin glasses

Giampaolo Folena, Francesco Zamponi SciPost Phys. 15, 109 (2023)

2024

Glasslike caging with random planes

Gilles Bonnet, Patrick Charbonneau, and Giampaolo Folena Phys. Rev. E 109, 024125, 2024

2024

On the Emergence of Enzymes in an Artificial Chemistry

G. Folena, G. Kruszewski, isal 2024, 62

COMPETENZE LINGUISTICHE

Lingua madre: ITALIAN

Altre lingue:)

	COMPRENSIONE		ESPRESSIONE ORALE		SCRITTURA
	Ascolto	Lettura	Produzione orale	Interazione orale	
[redacted]					
FRANCESE	C1	C1	C1	C1	B2

Livelli: A1 e A2: Livello elementare B1 e B2: Livello intermedio C1 e C2: Livello avanzato

CONFERENZE E SEMINARI

03/2019 New York

Simons Collaboration on Cracking the Glass Problem Annual Meeting

02/2017 Les Houches

Statistical physics, learning, inference, and networks

03/2018 New York

Simons Collaboration on Cracking the Glass Problem Annual Meeting

06/2018 London

CONES 2018: Frontiers of non-equilibrium science

02/2019 la Habana
Statistical Physics Approaches to Systems Biology

06/2019 Paris
Algorithms for dynamical mean field equations

07/2019 Beg Rohu
Beg Rohu Summer School on Glasses and Jamming

09/2019 Roma
40 years of replica symmetry breaking

09/2019 Beijing
International Workshop on Glass Physics in Beijing

11/2019 Royaumont Abbey
Yearly Cracking the Glass Problem Meeting

06/2021 Les Houches Oxy-Jeunes ENS

07/2021 Cargese
Glassy Systems and Inter-Disciplinary Applications

11/2021 Venezia
Yearly Cracking the Glass Problem Meeting

03/2022 New York
Simons Collaboration on Cracking the Glass Problem Annual Meeting

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03/2022 Chicago
APS March Meeting

04/2022 Cortona
Mathematics meets physics of disordered systems

11/2022 Venezia
Yearly Cracking the Glass Problem Meeting

03/2023 New York
Simons Collaboration on Cracking the Glass Problem Annual Meeting

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06/2023 Parma
XXVII National Conference on Statistical Physics and Complex Systems

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09/2023 Reading, UK
Templeton Workshop ”(Re)Conceptualizing Function and Goal-Directedness”

12/2023 Grenoble

EverEvol – Population dynamics: from rare events to evolution

04/2024 Paris

Evolution at the Edges of Life: Origins, Artificial Systems, and the Conceptual Limits of Evolutionary Theory

07/2024 Copenhagen

Alife2024

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".