

ALBERTO FARAGGI
Assistant Professor
Exact Sciences School
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Research interests

Theoretical High Energy Physics

Employment

Assistant Professor

Exact Sciences School
Universidad Andrés Bello
17 Jul 2017 → present

Adjoint Instructor

Universidad de Chile
Chile
1 Jan 2017 → 1 Jan 2017

Postdoctoral Researcher

Pontificia Universidad Católica de Chile
Chile
1 Jan 2014 → 1 Jan 2017

Adjoint Instructor

Pontificia Universidad Católica de Chile
Chile
1 Jan 2014 → 1 Jan 2017

Postdoctoral Researcher

Universidade de São Paulo
Brazil
1 Jan 2012 → 1 Jan 2014

Research outputs

One-loop holography with strings in $AdS_4 \times CP^3$

David, M., de León Ardón, R., Faraggi, A., Pando Zayas, L. A. & Silva, G. A., 1 Oct 2019, In : Journal of High Energy Physics. 2019, 10, 70.

Note on generating functions and connected correlators of 1/2-BPS Wilson loops in $N = 4$ SYM theory

Canazas Garay, A. F., Faraggi, A. & Mück, W., 1 Aug 2019, In : Journal of High Energy Physics. 2019, 8, 149.

Zeta-function regularization of holographic Wilson loops

Aguilera-Damia, J., Faraggi, A., Pando Zayas, L. A., Rathee, V. & Silva, G. A., 15 Aug 2018, In : Physical Review D. 98, 4, 046011.

Antisymmetric Wilson loops in $N = 4$ SYM: from exact results to non-planar corrections

Canazas Garay, A. F., Faraggi, A. & Mück, W., 1 Aug 2018, In : Journal of High Energy Physics. 2018, 8, 149.

Toward precision holography in type IIA with Wilson loops

Aguilera-Damia, J., Faraggi, A., Pando Zayas, L. A., Rathee, V. & Silva, G. A., 1 Aug 2018, In : Journal of High Energy Physics. 2018, 8, 44.

Functional determinants of radial operators in AdS₂

Aguilera-Damia, J., Faraggi, A., Zayas, L. P., Rathee, V. & Silva, G. A., 1 Jun 2018, In : Journal of High Energy Physics. 2018, 6, 7.

Phases of higher spin black holes: Hawking-Page, transitions between black holes, and a critical point

Bañados, M., Düring, G., Faraggi, A. & Reyes, I. A., 15 Aug 2017, In : Physical Review D. 96, 4, 043526.

Extremal higher spin black holes

Bañados, M., Castro, A., Faraggi, A. & Jottar, J. I., 1 Apr 2016, In : Journal of High Energy Physics. 2016, 4, 77.

Toward precision holography with supersymmetric Wilson loops

Faraggi, A., Pando Zayas, L. A., Silva, G. A. & Trancanelli, D., 1 Jan 2016, In : Journal of High Energy Physics. 2016, 4, 053.

One-loop structure of higher rank Wilson loops in AdS/CFT

Faraggi, A., Liu, J. T., Pando Zayas, L. A. & Zhang, G., 5 Jan 2015, In : Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics. 740, p. 218-221 4 p.

One-loop effective action of the holographic antisymmetric Wilson loop

Faraggi, A., Mück, W. & Pando Zayas, L. A., 29 May 2012, In : Physical Review D - Particles, Fields, Gravitation and Cosmology. 85, 10, 106015.

The spectrum of excitations of holographic Wilson Loops

Faraggi, A. & Zayas, L. A. P., 29 Sep 2011, In : Journal of High Energy Physics. 2011, 5, 018.

Fermions and D = 11 supergravity on squashed Sasaki-Einstein manifolds

Bah, I., Faraggi, A., Jottar, J. I., Leigh, R. G. & Zayas, L. A. P., 28 Sep 2011, In : Journal of High Energy Physics. 2011, 2, 068.

Fermions and type IIB supergravity on squashed Sasaki-Einstein manifolds

Bah, I., Faraggi, A., Jottar, J. I. & Leigh, R. G., 1 Jan 2011, In : Journal of High Energy Physics. 2011, 1, 100.

Holographic entanglement entropy at finite temperature

Bah, I., Faraggi, A., Pando Zayas, L. A. & Terrero-Escalante, C. A., 10 Jun 2009, In : International Journal of Modern Physics A. 24, 14, p. 2703-2728 26 p.

N=2 supergravity in three dimensions and its Gödel supersymmetric background

Bañados, M., Faraggi, A. T. & Theisen, S., 14 Jun 2007, In : Physical Review D - Particles, Fields, Gravitation and Cosmology. 75, 12, 125015.

Activities

VIII Quantum Gravity in the Southern Cone

ALBERTO FARAGGI (Speaker)

16 Dec 2019 → 20 Dec 2019

Ph.D. Thesis Defense Committee

ALBERTO FARAGGI UGALDE (Examiner)

13 Sep 2019

Escuela HEP-UC 2019: Topics on Gravitículas

ALBERTO FARAGGI (Participant)

29 Jul 2019 → 27 Aug 2019

Abdus Salam International Centre for Theoretical Physics

ALBERTO FARAGGI UGALDE (Visiting researcher)

1 Jul 2019 → 21 Jul 2019

Gravity at UCEN 2019

ALBERTO FARAGGI (Speaker)

1 Apr 2019 → 5 Apr 2019

Diego Correa

ALBERTO FARAGGI UGALDE (Host)

14 Jan 2019 → 18 Jan 2019

Guillermo A. Silva

ALBERTO FARAGGI UGALDE (Host)

14 Jan 2019 → 18 Jan 2019

Fulbright Chile

ALBERTO FARAGGI (Examiner)

2019

Physical Review D (Journal)

ALBERTO FARAGGI (Reviewer)

2019

Winter school: Topics on Gravitículas 2018

ALBERTO FARAGGI (Participant)

23 Jul 2018 → 27 Jul 2018

Latin-American Workshop on Gravity and Holography

ALBERTO FARAGGI (Speaker)

4 Jun 2018 → 8 Jun 2018

Workshop on Higher Spin and Dualities in Pucón

ALBERTO FARAGGI (Speaker)

8 Apr 2018 → 14 Apr 2018

Phillip Szepietowski

ALBERTO FARAGGI UGALDE (Host)

19 Jan 2018 → 26 Jan 2018

Fulbright Chile

ALBERTO FARAGGI UGALDE (Examiner)

2018

Journal of High Energy Physics (Journal)

ALBERTO FARAGGI UGALDE (Reviewer)

2018

Ph.D. Thesis

ALBERTO FARAGGI UGALDE (Examiner)
11 Dec 2017

Workshop on Supersymmetric Localization and Holography

ALBERTO FARAGGI (Speaker)
16 Oct 2017 → 18 Oct 2017

University of Amsterdam

ALBERTO FARAGGI UGALDE (Visiting researcher)
31 Jan 2017 → 13 Feb 2017

Physical Review Letters (Journal)

ALBERTO FARAGGI UGALDE (Reviewer)
2017

Physical Review D (Journal)

ALBERTO FARAGGI UGALDE (Reviewer)
2015