

Alejandro Andrade

theoretical physicist

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EDUCATION

- PhD** Universidad Nacional de Cuyo, Physics doctorate
Status: Incomplete
Thesis: “effects of Interactions in Optical Transitions Nanostructures”
Advisor: Pablo Cornaglia
- MS** Universidad Nacional de Cuyo, Physics Master Jul 2012
Status: Completed
Thesis: “Indirect spin-spin interaction in the presence of decoherence”
Advisor: Armando Aligia
- BS** Universidad del Cauca, Physical Engineering Oct 2009
Status: Completed
Thesis: “Photons, Quantum Dots coupled and Qbits”
Advisor: Servio Tulio Pérez

HONORS AND AWARDS

- Scholarship of doctorate** 2013
Institution: Consejo Nacional de Investigación Científica y Técnicas
- Scholarship of masters** 2010
Institution: Comisión Nacional de Energía Atómica
- Honorific mention for thesis undergraduate** 2009
Institution: Universidad del Cauca

PUBLICATIONS

Journal Publications

J. A. Andrade, Pablo S. Cornaglia, and A. A. Aligia. Transport through side-coupled multilevel double quantum dots in the Kondo regime. *Phys. Rev. B* **89**, 115110, (2014).

J. A. Andrade; A. A. Aligia; G. F. Quinteiro. Effective Hamiltonian for the impurity-impurity interaction in micropillars in the presence of decoherence. *Phys Rev B*, **85**, 1654, (2012).

J. A. Andrade; A. A. Aligia; G. F. Quintero.. Spin-spin indirect interaction at low-energy excitation in zero-dimensional cavities. Journal of Physics Condensed Matter, **23**, 21. p53041- 53047, (2011).

PROFESSIONAL TRAINING

Course: “Estrategias pedagógicas para el desarrollo del pensamiento”. Sena virtual. 2009.

Conference: “27th International Conference on Low Temperature Physics”, Buenos Aires, Argentina, 2014.

Conference: “98° Reunión Nacional de Física de la AFA”, Bariloche, Argentina, 2013.

Conference: “97° Reunión Nacional de Física de la AFA”, Cordoba, Argentina, 2012.

Conference: “II Reunión Conjunta SUF - AFA”, Montevideo, Uruguay, 2011.

Conference: “XIII Giambiagi School, Nanophotonics”, Buenos Aires, Argentina. 2011.

Conference: “Nuevas tendencias en Ingeniería”, Popayán, Colombia. 2007.

Seminar: “Una perspectiva de Desarrollo Económico desde la industria de los videojuegos”. Colegio Mayor del Cauca. 2009

LANGUAGES

Spanish: Native Language

English: Intermediate Listener, Speaker, Reading and Writing
