

Cover Page



Universiteit Leiden



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Title: DNA mechanics inside plectonemes, nucleosomes and chromatin fibers

Issue Date: 2013-10-02

Publications

Out of register: how DNA determines the chromatin fiber geometry
G. Lanzani and H. Schiessel
Europhys. Lett. **97**, 38002-1-6 (2012).

Nucleosome response to tension and torque
G. Lanzani and H. Schiessel
Europhys. Lett., **100**, 48001 (2012).

Multi-plectoneme phase of double stranded DNA under torsion
M. Emanuel, G. Lanzani and H. Schiessel
Submitted to Phys. Rev. E.

Crenarchaeal chromatin proteins Cren7 and Sul7 compact DNA by inducing rigid bends
R. P. C. Driessen, H. Meng, R. Shahapure, G. Lanzani, M. F. White, H. Schiessel, J. van Noort and R. T. Dame
Nucl. Acids Res., **41** (2013).



Curriculum vitæ

On the 8th of March, 1984, I was born in Padua, Italy, where I completed secondary education at *Liceo scientifico Alwise Cornaro* in 2003.

In the same year I started studying physics at *Università degli studi di Padova*, where I became *dottore* in 2006 with the thesis *Poincaré, Einstein, special relativity* under the supervision of prof. dr. Pieralberto Marchetti. There I investigated how much of Einstein's work had already been done by Poincaré, many years before.

In 2006 I moved to the Netherlands, to Leiden, where I graduated as Master of Science in theoretical physics on the thesis *A phase-field model for supercooled glycerol* under the supervision of Prof. dr. ir. Wim van Saarloos in 2008.

In 2008 I started a PhD research project under supervision of Prof. dr. Helmut Schiessel at the Instituut-Lorentz for theoretical physics, which is part of the Leiden Institute of Physics at Leiden University. During this time I was a teaching assistant for the courses *Statistische en Thermische Fysica 2* and *Statistical Physics* by Prof. dr. Helmut Schiessel.

Since 2008 I am happily married to Giuditta and, as of the writing of this curriculum, I am the proud father of Sofia, Pietro and Elena. Besides that I work for KPMG as an advisor.



Acknowledgments

Helmut is smart, patient and insightful. Thanks for being The. Most. Amazing. Boss. Ever.

I wish to thank my wife and kids for allowing me to do unpaid overtime to finish this thesis, and for many other things I am not supposed to write here.

I thank my parents, my brother and my sister for their part in shaping the curious mind that I have and, again, for many other things.

I had fruitful discussions with (without any particular order) Alessandro Broggio, Patrick Rebeschini, Jonathan Edge, Marc Emanuel, Nima Hamedani Radja, Anton Akhmerov, Carlo Beenakker, Ruslan Sepkhanov, Christopher Groth, Peter Prinsen, Wim van Saarloos, Harry Linders, Andrej Mesaros and Zorana Zeravcic.

A big thank you to Raoul Schram for translating the *Samenvatting*.

I've visited many institutes during my career, but nothing beats the Instituut-Lorentz in Leiden for the openness, stimulating work environment and friendliness. There are many factors that make such a great institute, but I thank Fran and Marianne for being among the top contributors.



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