

Curriculum Vitæ

Name and degrees **Hab. prof. Ing. Carlos Granja, Ph.D.**
Year, place of birth 1972, Bogota, Colombia (*citizenship*: Czech Rep., Ecuador)
Residence/contact Prague, Czech Republic / email: carlos.granja@utef.cvut.cz

Education/degrees

2006–2007 Associate Professor, Fac. Mechanical Engineering, Brno University of Technology, program „Applied Physics”, Habilitation thesis: „*Pixel detectors in experimental physics*“
1997–2003 Ph.D., Fac. of Nucl. Sciences and Phys. Engineering, Czech TU Prague, specialization „Experimental nuclear physics”, Dissertation thesis: „Structure of ^{159}Gd “
1992–1997 MSc. Engineering. Fac. of Nucl. Sciences and Phys. Engineering, Czech TU Prague, program major „Nuclear Engineering”, Dipl. thesis: „*Energy levels of ^{159}Gd and ^{174}Yb in neutron capture*“
1989–1990 High School Diploma, Plymouth Whitmarsh H.S., Philadelphia, Pennsylvania, USA

Work experience

2002–today Researcher, since 2007 science deputy, IEAP CTU Prague (www.utef.cvut.cz)
2014 (1 month) Invited professor, Kazakh Nat. University, Almaty, Kazakhstan
2012 (3 months) Invited professor, Universidad de los Andes, Bogota, Colombia

Expertise, background, fields of activity

- *Experimental nuclear physics, nuclear spectroscopy, nuclear reactions, fission, radiation imaging*
- *Physics with particle accelerators and research reactors, neutron sources, radiation instrumentation*
- *Radiation tracking in hadron radiotherapy and in outer space, space radiation, space weather*

Project leader

- *SATRAM spacecraft payload on board ESA Proba-V satellite*
- *Van de Graaff light ion accelerator*
- *Gamma-ray station for detector calibration*
- *Neutron sources in Czech Republic*

Scientific activity (co-author)

Papers in reviewed IF journals	34
Papers in Conference Proceedings	39
Co–editor of Conference Proceedings	3

Pedagogical activity

Lecture courses	3
Course exercises	5
Thesis tutor (Bc/MSc/PhD)	9 (3/3/3)

Academic, organizational and panel/board activity

2013–today Member of Committee for Space Research, Min. Education, Czech Republic
2006–today Scientific secretary and research deputy for Space and ESA, IEAP CTU Prague
2011 Co-Chair, Latin Amer. Symp. Nucl. Physics and Applications, Quito, Ecuador
2007, 2009 Co-Chair, Summer School Nucl. Physics and Particle Accelerators, Prague (CZ), Bratislava (SK)
2004–2007 Member Academic Senate, Science and Research Board Member, CTU Prague

Awards/Significant publication

2004 Rector Prize II. level for excellency to PhD Dissertation thesis, CTU in Prague
2004 Prize best lecture, Int. Conf. on Imag. Tech. in Biomedical Sciences, Milos, Greece
2005 C. Granja et al., „Structure of ^{159}Gd “, Physical Review C 034316 (2004) 1–29

Funding grant holder/principal investigator

Total: 6 (2x ESA, 3x JINR Dubna, 1x Czech Ministry of Education)

Language skills

Fluent: Czech, English, Spanish (*native*), *basic*: German, French

Programming skills

Matlab, Latex, Python, HTML, MS office, linux