



Curriculum vitae Europass

Personal information

Surname(s) / First name(s) **Palcu, Adrian**

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Nationality (-ties) Romanian

Date of birth 27 August 1971

Gender Male

Desired employment / Occupational field

Work Experience

Dates 1995 – to present

Occupation and position held Associate Professor (2012 – to present)
Lecturer (2008 – 2012)
Teacher (1995 – 2008)

Main activities and responsibilities Teaching – subjects: THEORETICAL MECHANICS, LIE GROUPS IN PARTICLE PHYSICS,
COMPUTER NETWORKS, HISTORY OF MATHEMATICS AND INFORMATICS
Scientific research: high-energy physics, 3-3-1 & 3-4-1 extensions of the Standard Model, neutrino
physics, Higgs sector physics
Organisational activity: Vice-Dean

Name and address of employer „Aurel Vlaicu“ University Arad – Exact Sciences Faculty
Str. Elena Dragoi 2, 310330 – Arad, Romania

Type of business or sector Teaching and scientific research

Education and training

Perioada 2007 – Doctor *summa cum laude* in Physics (education and Scientific Research Ministry Order nr.632 / 21.03.2007)

2006, October 14th – Public presentation of the thesis CONTRIBUTIONS TO THE GENERALIZATION OF THE STANDARD MODEL – author ADRIAN PALCU, scientific advisor: Prof. dr. Ion I. Cotăescu

2000 – 2006 Doctoral stage (fără frecvență) – West University of Timișoara, Physics faculty scientific advisor Prof. dr. Ion I. Cotăescu)

2000 – English language competence certificate (18points out of din 20) – West University of Timișoara

1995 –Bachelor in Physics (West University of Timișoara, Physics Faculty – specialization Theoretical Physics)- Licence final mark:: 9.71 (all the 3 graduating exams – 10)

1990 – 1995 student (5 years) at the: West University of Timișoara – Physics Faculty, (Theoretical Physics class).

1990 Bacalaureate (9.71)

1986 – 1990 attended the courses of the National College „Moise Nicoară“ Arad (former theoretical High School „Ioan Slavici“) Mathematics-Physics class.

Title of qualification awarded Doctor in Physics

Principal subjects / occupational skills covered **Theoretical Physics** (Quantum mechanics, Theoretical mechanics, Quantum theory of fields, Gauge theories, Quantum electrodynamics, Special relativity and classical electrodynamics, Particle physics and fundamental interactions, Gravitation, Astrophysics and Cosmology, Lie Groups, Statistical Physics and Thermodynamics.)
General Physics (Atomic physics, Nuclear physics, Computational physics, Electricity and magnetism, Optics, Plasma physics, Solid state physics, Fluid physics, Spectroscopy and lasers, Mechanics, electronics, Molecular physics.)

Scientific research in particle physics and gauge models (published papers, Annex)

Referee for International Journal of Modern Physics A (World Scientific) and Journal of Physics G: Nuclear and particle Physics (IOP).

Name and type of organization providing education and training West University of Timișoara

Level in national or international classification PhD

Personal skills and competences

Mother tongue(s) **Romanian**

Other languages **Engleza, Franceza**

Self-assessment <i>European level</i> (*)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	Exprimare scrisă
English	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
French	B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user

(*) *Common European Framework of Reference (CEF) level*

Social skills and competences

Organisational skills and competences Vice-dean

Technical skills and competences

Computer skills and competences Windows, LaTeX, Lyx

Artistic skills and competences Piano playing – private study
Theatrical and musical critic – permanent chronicles in „Convorbiri literare“ (Iași), Scena (București) și „Teatrul, azi“ (București)

Other skills and competences

- 9 times winner of the CNCSIS National Prize for outstanding scientific research (2007, 2008, 2009, 2012)
- Merit diploma conferred on dr. Adrian Palcu by the Senate of the West University of Timișoara (2008) *summa cum laude* PhD thesis .
- Invited (October 2009) by the Zagreb University (Croatia) to deliver a talk on „Possible extensions of the standard model: SU(3) x U(1) and SU(4) x U(1) electroweak gauge models“ at the theoretical physics seminar
- Invited for two terms (2009-2010) by the West University of Timișoara to deliver courses and seminars on *Elementary processes in particle physics* for the master classes in *Quantum fields and elementary particles* (Physics faculty)

Driving licence(s) Category B.

Additional Information

Contacts:

Prof. univ. dr. Ion I. Cotăescu (UVT), email: cota@physics.uvt.ro

Prof. univ. dr. Dumitru Vulcanov (UVT), email: vulcan@physics.uvt.ro

Prof. univ. dr. Ivica Picek (Universitatea Zagreb), email: picek@phy.hr

Prof. univ. dr. Mihai Vișinescu (IFIN-HH Măgurele), email: mvisin@theory.nipne.ro

Cercetător Științific I dr. Dan Grecu (IFIN-HH Măgurele), email: dgrecu@theory.nipne.ro

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