



## CURRICULUM VITAE

### General information

<b>Name</b>	Hrvoje Štefančić
<b>Research position</b>	Scientific Advisor
<b>Research and teaching position</b>	Full professor
<b>Academic discipline</b>	Natural sciences
<b>Scientific field</b>	Physics
<b>Branch of science</b>	Physics of elementary particles and fields
<b>Area(s) of research and interest</b>	Cosmology and high-energy physics, physics of complex systems, interdisciplinary applications of theoretical physics
<b>Researcher ID number</b>	235826
<b>Date and place of birth</b>	24 January 1973, Našice, Croatia
<b>Telephone</b>	+385 (1) 370 66 48
<b>E-mail</b>	hrvoje.stefancic@unicath.hr

### Research and teaching activities

#### Teaching activities

<b>Catholic University of Croatia</b>	March 2014 till present	Quantitative methods in historiography
<b>Catholic University of Croatia</b>	October 2012 till present	Calculational basics of quantitative methods in psychology
<b>Zagreb School of Economics and Management</b>	March 2010 till present	Stochastic processes in financial markets
<b>Department of physics, Faculty of Science, University of Zagreb</b>	October 2007 - September 2010	Quantum physics - seminar
<b>Department of physics, Faculty of Science, University of Zagreb</b>	March 2004 - September 2004	Use of computer networks - Internet

#### Research activities

<b>Participation in scientific projects</b>	1. March 2014 - present, participant in the project „Complex network of debts of Croatian companies – propagation of effects of pre-bankruptcy agreements onto the economy of Republic of Croatia“, project leader S. Koščak; project funded by the Croatian Bankers Association.
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2. November 2013 – present, participant in the FP7 FET Proactive project "MULTIPLEX", leader of the IRB node Vinko Zlatić; project funded by EU FP7.
3. September 2011 – March 2014, participant in the FP7 FET OPEN project "Forecasting Financial Crisis", leader of the IRB node Vinko Zlatić; project funded by EU FP7.
4. January 2010 – December 2011, project leader for the Croatian side of the bilateral Croatian-Serbian project "Modified gravity theories and the accelerated expansion of the universe"; project funded by Ministry of Science, Education and Sports of Republic of Croatia (MSES).
5. January 2007 – December 2013, participant in the project No. 098-0982930-2864 "Fundamental interactions in elementary particle physics and cosmology", project leader B. Guberina; project funded by MSES.
6. January 2007 – December 2013, participant in the project No. 098-0352828-2863 "Surfaces and nanostructures: Theoretical approaches and numerical calculations", project leader R. Brako; project funded by MSES.
7. December 2001 – December 2006, participant in the project No. 0098002, "Fundamental interactions in elementary particle physics and cosmology", project leader B. Guberina; project funded by MSES.
8. August 1997 – December 2001 – participant in the project No. 00980102, "Theoretical research of elementary particle properties", project leader B. Guberina; project funded by MSES.

### Bibliography

Authored book(s):  
 Edited book(s):  
 Scientific paper(s) in journals: 54 (Web of Science All Databases)  
 Book chapter(s):  
 Professional paper(s): 1

### Detailed bibliography

<https://bib.irb.hr/lista-radova?autor=235826>

### Participation in scientific and professional conference(s)

National conference(s):  
 International conference(s): 11 talks and lectures

### Scientific and professional specialization/training

March 2005 – August 2006, Universitat de Barcelona, Facultat de física, Departament d'Estructura i Constituents de la Matèria, Barcelona, Spain – postdoctoral research training in cosmology  
 September 2008 – October 2008, Universitat de Barcelona, Facultat de física, Departament d'Estructura i Constituents de la Matèria, Barcelona, Spain – visiting researcher in the field of cosmology

### Scientific awards

December 2006, winner of the award "From Research to Enterprise", awarded by the Central European Initiative (CEI), for the project of development and commercial application of the Robin Hood method  
 Winner of the RBI Director's annual award in 2010, 2011, 2012

### Membership in scientific associations

Member of the Croatian Physical Society



## CURRICULUM VITAE

### *Education and work experience*

#### *Education*

<b>Academic degree</b>	Ph. D. in theoretical physics
<b>Year</b>	2002
<b>Paper title</b>	Hierarchy of lifetimes of hadrons containing heavy quarks
<b>Institution</b>	Faculty of Science, University of Zagreb
<b>Academic degree</b>	M. Sc. In physics
<b>Year</b>	2000
<b>Paper title</b>	Preasymptotic effects in inclusive decays of heavy quarks
<b>Institution</b>	Faculty of Science, University of Zagreb
<b>Academic degree</b>	B. Sc. in physics
<b>Year</b>	1996
<b>Paper title</b>	Inclusive decays of heavy quarks
<b>Institution</b>	Faculty of Science, University of Zagreb

#### *Work experience*

<b>Period (from-to)</b>	November 2012 - present
<b>Employer</b>	Catholic University of Croatia
<b>Position</b>	Associate professor, vice-president for science
<b>Field of work</b>	Organization of research activities at the Catholic University of Croatia, teaching courses "Calculational basics of quantitative methods in psychology" and "Quantitative methods in historiography", research work
<b>Period (from-to)</b>	March 2010 - December 2014
<b>Employer</b>	Ruđer Bošković Institute, Theoretical Physics Division
<b>Position</b>	Senior Research Associate
<b>Field of work</b>	Research in cosmology, high energy physics, physics of complex systems
<b>Period (from-to)</b>	May 2005 - March 2010
<b>Employer</b>	Ruđer Bošković Institute, Theoretical Physics Division
<b>Position</b>	Research Associate
<b>Field of work</b>	Research in cosmology, high energy physics, physics of complex systems
<b>Period (from-to)</b>	July 2002 - May 2005
<b>Employer</b>	Ruđer Bošković Institute, Theoretical Physics Division
<b>Position</b>	Postdoctoral research assistant
<b>Field of work</b>	Research in cosmology, high energy physics, physics of complex systems
<b>Period (from-to)</b>	September 2000 - July 2002
<b>Employer</b>	Ruđer Bošković Institute, Theoretical Physics Division
<b>Position</b>	Research assistant



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<b>Field of work</b>	Research in cosmology, high energy physics, physics of complex systems
<b>Period (from-to)</b>	August 1997 – September 2000
<b>Employer</b>	Ruđer Bošković Institute, Theoretical Physics Division
<b>Position</b>	Junior research assistant
<b>Field of work</b>	Research in high energy physics, physics of complex systems

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### *Professional activities*

1. Member of the organizing committee of the conference “9<sup>th</sup> Adriatic Meeting – Particle Physics and the Universe”, Dubrovnik, Croatia, 4-14 September 2003.
  2. Member of the Academic committee of the 41<sup>st</sup> International Physics Olympiad, Zagreb, Croatia, 17-25 July 2010.
  3. One of authors of the innovation Robin Hood method (with Hrvoje Abraham and Predrag Lazić) and co-founder of the company Artes calculi Ltd. (founded in 2010) based on commercial application of the Robin Hood method.
  4. 2003 – present, member of the Board of Governors of the Center for the promotion of the Church social doctrine of the Croatian Bishops' Conference.
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