



CURRICULUM VITAE

General information

Name	Hrvoje Štefančić
Research position	Scientific Advisor
Research and teaching position	Associate professor
Academic discipline	Natural sciences
Scientific field	Physics
Branch of science	Physics of elementary particles and fields
Area(s) of research and interest	Cosmology and high-energy physics, physics of complex systems, interdisciplinary applications of theoretical physics
Researcher ID number	235826
Date and place of birth	24 January 1973, Našice, Croatia
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Research and teaching activities

Teaching activities

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

Research activities

Participation in scientific projects	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



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Education and work experience

Education

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

Work experience

Period (from-to)	November 2012 - present
Employer	Catholic University of Croatia
Position	Associate professor, vice-president for science
Field of work	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
Period (from-to)	March 2010 - December 2014
Employer	Ruđer Bošković Institute, Theoretical Physics Division
Position	Senior Research Associate
Field of work	Research in cosmology, high energy physics, physics of complex systems
Period (from-to)	May 2005 - March 2010
Employer	Ruđer Bošković Institute, Theoretical Physics Division
Position	Research Associate
Field of work	Research in cosmology, high energy physics, physics of complex systems
Period (from-to)	July 2002 - May 2005
Employer	Ruđer Bošković Institute, Theoretical Physics Division
Position	Postdoctoral research assistant
Field of work	Research in cosmology, high energy physics, physics of complex systems
Period (from-to)	September 2000 - July 2002
Employer	Ruđer Bošković Institute, Theoretical Physics Division
Position	Research assistant



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

Professional activities

1. Member of the organizing committee of the conference “9th Adriatic Meeting – Particle Physics and the Universe”, Dubrovnik, Croatia, 4-14 September 2003.
 2. Member of the Academic committee of the 41st 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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