

1. Personal information

Name and surname: Cristian Marius LITAN

Date and place of birth: February the 4th 1977, Satu-Mare, Romania

Present academic position: Associate Professor, Department of Statistics, Forecasting, Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University, Cluj-Napoca, Romania

2. Education

2002-2009 Ph.D. in Economics, Economics Department, University Carlos III de Madrid, Spain

2000-2002 M.A. in Economics, Economics Department, Central European University, Budapest, Hungary

1995-2000 B.A. in Economics, field of study Economic Cybernetics, Statistics and Informatics, Faculty of Economics and Business Administration, Babeş-Bolyai University, Cluj-Napoca, Romania

3. Professional experience

September 2021 – current date Vicerector Babeş-Bolyai University, Cluj Napoca, Romania.

April 2021 – September 2021 State Secretary, Ministry of Research, Innovation and Digitalization, Bucharest, Romania.

2016 – April 2021 Vicerector, Babeş-Bolyai University, Cluj Napoca, Romania.

2012 – current date Associate Professor, Department of Statistics, Forecasting, Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University, Cluj Napoca, Romania. (Teaching experience: Descriptive Statistics for undergraduate, Basic Econometrics for undergraduate, Public Economics for undergraduate, Econometrics for master, Panel Data for master, Statistics for master, etc).

2011 – 2012 Assistant Professor, Department of Statistics, Forecasting, Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University, Cluj Napoca, Romania.

2009 – 2011 Teaching Assistant, Department of Statistics, Forecasting, Mathematics, Faculty of Economics and Business Administration, Babeş-Bolyai University, Cluj Napoca, Romania.

2007 – 2009 Economist, Department of Monetary Policy and Economic Modeling, Unit of Economic Assessment Models, National Bank of Romania, Bucharest, Romania.

2002 – 2007 Teaching and Research Assistant, Department of Economics, University Carlos III de Madrid, Madrid, Spain.

4. Ten selected publications

Economic theory

1. González Pimienta Carlos, Litan M. Cristian, "Conditions for equivalence between sequentiality and subgame perfection", *ECONOMIC THEORY*, vol. 35, 2008, p. 539 – 553.
2. Kukushkin S. Nikolai, Litan M. Cristian, Marhuenda Francisco, "On the generic finiteness of equilibrium outcome distributions in bimatrix game forms", *JOURNAL OF ECONOMIC THEORY*, vol. 139, 2008, p. 392-395.
3. Litan M. Cristian, Marhuenda Francisco, "Determinacy of Equilibrium Outcome Distributions for Zero Sum and Common Utility Games", *ECONOMICS LETTERS*, vol. 115, 2012, p.152 – 154.
4. Litan M. Cristian, Marhuenda Francisco, Peter Sudhölter, "Determinacy of equilibrium in outcome game forms", *JOURNAL OF MATHEMATICAL ECONOMICS*, vol. 60, 2015, p.28 – 32.
5. Litan M. Cristian, Marhuenda Francisco, Peter Sudhölter, "Generic finiteness of equilibrium distributions for bimatrix outcome game forms", *ANNALS OF OPERATIONS RESEARCH, SI: Game theory and optimization*, vol. 287, 2020, p. 801 – 810.

Game theory applied to various topics

6. Curt Paula, Litan M. Cristian, Filip A. Diana, "A mathematical revisit of modeling the majority voting on fixed income quadratic taxations", *JOURNAL OF INEQUALITIES AND APPLICATIONS (journal of applied mathematics)*, published on-line, 2010, p.1 – 15, doi: 10.1155/2010/329378.
7. Curt Paula, Litan M. Cristian, Filip A. Diana, "The least core in fixed-income taxation models: a brief mathematical inspection", *JOURNAL OF INEQUALITIES AND APPLICATIONS (journal of applied mathematics)*, published on-line, 2011, p. 1 – 15, doi: 10.1186/1029-242X-2011-138.
8. Silaghi Gheorghe Cosmin, Șerban Liviu Dan, Litan M. Cristian, "A time-constrained SLA negotiation strategy in competitive computational grids", *FUTURE GENERATION COMPUTER SYSTEMS (journal of theory and methods in Grid/Cloud economy)*, vol. 28, 2012, p. 1303–1315.

Other topics (involving applied econometrics&statistics)

9. Chereches M. Răzvan, Litan M. Cristian, Zlati M. Alina, Bloom R. Joan, "Does co-morbid depression impact diabetes related costs? Evidence from a cross-sectional survey in a low-income country", *JOURNAL OF MENTAL HEALTH POLICY AND ECONOMICS*, vol. 15, 2012, p.127 – 138.
10. Silaghi Monica Ioana, Alexa Diana Ioana, Jude Cristina, Litan M. Cristian, "Do business and public sector research and development expenditures contribute to economic growth in central and eastern European countries? A dynamic panel estimation", *ECONOMIC MODELLING*, vol. 36, 2014, p.108 – 119.

5. Research interests

I have research interests in the field of mathematical and quantitative methods applied in economics and social sciences (JEL classification C). I gave attention to research in game theory and applications. I also conducted studies involving applied econometrics and statistics.

6. Participation in research projects (selection)

Position	Details of the project	
Member	Title	Understanding and modelling time-space patterns of psychology-

		related inequalities and polarization
	Identification no.	UEFISCSU PN-III-P4-ID-PCCF-2016-0084
	Financing from	UEFISCDI, Romania
	Period of the project	2018 – 2022

Position	Details of the project	
Director	Title	Herding behaviour on financial markets: a game theoretical approach and empirical evidence
	Identification no.	UEFISCSU PN-II-RU-TE-2014-4-1827
	Financing from	UEFISCDI, Romania
	Period of the project	2015 – 2017

Position	Details of the project	
Director	Title	Cooperative game theory concepts adapted to models of majority voting over income taxation
	Identification no.	GTC_34068
	Financing from	Babeş-Bolyai University, Cluj-Napoca, Romania
	Period of the project	2013 – 2014

Position	Details of the project	
Member	Title	Formacion, financiacion e impacto de las instituciones sociales
	Identification no.	ECO2010-19596
	Financing from	Ministerio de Educacion y Ciencia, Sec. de Estado de Universidad e Invest., Spain
	Period of the project	2011 – 2013

Position	Details of the project	
Director	Title	Outcome game forms: theoretical advances, generic properties of Nash equilibria, applications for economic modeling
	Identification no.	UEFISCSU PN-II-RU-PD 415
	Financing from	UEFISCDI, Romania
	Period of the project	2010 – 2012

Position	Details of the project	
Member	Title	Modeling the endogenous economic growth and the mix of macroeconomic policies in Romania and other emerging economies
	Identification no.	UEFISCSU PN-II-RU-TE 53
	Financing from	UEFISCDI, Romania
	Period of the project	2010 – 2013

Position	Details of the project	
Member	Title	The assessment of the impact of informal payments on the health system
	Identification no.	UEFISCSU PN-II-RU-TE 319
	Financing from	UEFISCDI, Romania
	Period of the project	2010 – 2013

Position	Details of the project	
Member	Title	A study regarding peer-to-peer collaborative environments for creating a high performance computing system for small and medium enterprises
	Identification no.	UEFISCSU PN-II-IDEI 2452
	Financing from	UEFISCDI, Romania

	Period of the project	2007 – 2011
Position	Details of the project	
Member	Title	The impact of depression on diabetes patients: incidence and costs
	Identification no.	CPHS # 2008-4-65
	Financing from	Berkeley University, Fogerty International Center, NIH
	Period of the project	2007 – 2009
Position	Details of the project	
Member	Title	Reglas de agregación y toma de decisión colectiva
	Identification no.	SEJ2007 – 67135
	Financing from	Ministerio de Educacion y Ciencia, Sec. de Estado de Universidad e Invest., Spain
	Period of the project	2007 – 2010
Position	Details of the project	
Member	Title	Integración económica y política entre economías desiguales
	Identification no.	SEJ 2004 – 00968
	Financing from	Ministerio de Educacion y Ciencia, Sec. de Estado de Universidad e Invest., Spain
	Period of the project	2004 – 2007
Position	Details of the project	
Director	Title	Individual grant "Plan de Formación de Personal Investigador" for writing the PhD thesis "Three essays in economic theory"
	Identification no.	FPI 2004 – 2007
	Financing from	Dirección General de Universidades e Investigación, Comunidad de Madrid, Fondo Social Europeo, Spain
	Period of the project	2004 – 2007

7. Other academic activities

- 2013 – 2022: Organizer of "Cluj Economics and Business Seminar Series" (CEBSS) at the Faculty of Economics and Business Administration, Babeş-Bolyai University, Cluj-Napoca, Romania (see CEBSS web page, <https://econ.ubbcluj.ro/cebss.php>).

- 2014, 2015, 2016, 2017, 2018, 2019, 2021: Coordinator and member of the organizing committee of the "Annual Scientific Conference of Romanian Academic Economists from Abroad (ERMAS)" (for information about all previous ERMAS editions <https://conferences.ulbsibiu.ro/ermas/en/editii.php>)

- reviewer for several ISI journals, e.g. European Journal of Operational Research, Mathematical Methods in Operations Research, Eastern European Economics.