

<b>Europass Curriculum Vitae</b>	
<b>Personal information</b>	
First name / Second name	<b>Lucian MATICIUC</b>
Address	Home: Văscăuțeanu Street, no. 12, bl. C1, ap. 13, 700462, Iași, Romania Office: Faculty of Mathematics, „Alexandru Ioan Cuza” University Carol I Blvd., no. 11, 700506, Iași, Romania
Telephone	+40 741.200.920
E-mails	<a href="mailto:lucian.maticiuc@uaic.ro">lucian.maticiuc@uaic.ro</a> <a href="mailto:lucianmaticiuc@yahoo.com">lucianmaticiuc@yahoo.com</a> Homepage: <a href="http://www.math.uaic.ro/~maticiuc/">http://www.math.uaic.ro/~maticiuc/</a>
Nationality	Romanian
Date of birth	May 16 <sup>th</sup> , 1977
<b>Current employment / Occupational field</b>	Associate Professor at Faculty of Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania
<b>Work experience</b>	
Dates	2002 to present
Occupation or position held	<ul style="list-style-type: none"> <li>• October 1<sup>st</sup> 2020 – Associate Professor at Faculty of Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania</li> <li>• October 3<sup>th</sup> 2016 – September 30 2020: Lecturer at Faculty of Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania</li> <li>• February 16<sup>th</sup> 2015 – October 2<sup>th</sup> 2016: Associate Professor at Department of Mathematics, “Gheorghe Asachi” Technical University, Iași, Romania</li> <li>• 2009 – 2015: Lecturer at Department of Mathematics, “Gheorghe Asachi” Technical University, Iași, Romania</li> <li>• 2006 – 2016: Research Associate at Faculty of Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania</li> <li>• 2002 – 2009: Preparator and Assistant Professor at Department of Mathematics, “Gheorghe Asachi” Technical University, Iași, Romania</li> </ul>

Main activities and responsibilities	<p><b>Teaching experience (courses, seminars and laboratories held)</b></p> <ul style="list-style-type: none"> <li>• <b>Elements of Multivariate Statistics and Principal Component Analysis (courses), 1<sup>st</sup> year, Master's Degree in Mathematics, Department of Computer Science, University of Verona, Italy:</b> <ul style="list-style-type: none"> <li>- 24 hours, March–April 2015</li> <li>- 24 hours, April–May 2016</li> <li>- 24 hours, March–April 2017</li> </ul> </li> <li>• <b>Probability (courses), 2<sup>nd</sup> year, Degree in Applied Mathematics, Department of Computer Science, University of Verona, Italy (24 hours, April–May 2016)</b></li> <li>• <b>Probability and Statistics, 3<sup>rd</sup> year (Undergraduate), Faculty of Mathematics, "Alexandru Ioan Cuza" University of Iași:</b> <ul style="list-style-type: none"> <li>- seminars, first semester, since 2010</li> <li>- courses, first semester, since 2016</li> </ul> </li> <li>• <b>Mathematical Software, 2<sup>nd</sup> year (Undergraduate), Faculty of Mathematics, "Alexandru Ioan Cuza" University, Iași</b> <ul style="list-style-type: none"> <li>- 28 hours, first semester, 2015–2016 (seminars)</li> <li>- 28 hours, first semester, 2016–2017 (seminars)</li> </ul> </li> <li>• <b>Statistical Analysis of Geodetic Data, 1<sup>st</sup> year, Master's Degree in Geodetic Engineering, Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University, Iași:</b> <ul style="list-style-type: none"> <li>- 28 hours of courses and 28 hours of seminars, first semester, 2011–2012</li> <li>- 28 hours of courses and 28 hours of seminars, first semester, 2012–2013</li> <li>- 28 hours of courses and 28 hours of seminars, first semester, 2013–2014</li> </ul> </li> <li>• <b>Mathematical Analysis. Differential Calculus, 1<sup>st</sup> year, Faculty of Hydrotechnics, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University, Iași</b></li> <li>• <b>Mathematical Analysis. Integral Calculus, 1<sup>st</sup> year, Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University, Iași</b></li> <li>• <b>Linear Algebra, 1<sup>st</sup> year, Faculty of Electronics, Telecommunication and Information Technology &amp; Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University, Iași</b></li> <li>• <b>Analytic and Differential Geometry, 1<sup>st</sup> year, Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, "Gheorghe Asachi" Technical University, Iași</b></li> <li>• <b>Differential Equations, Faculty of Mathematics, "Alexandru Ioan Cuza" University, Iași (seminars)</b></li> <li>• <b>Numerical Methods for Differential Equations, Faculty of Mathematics, "Alexandru Ioan Cuza" University, Iași (seminars)</b></li> </ul> <p><b>Interest and research fields</b></p> <ul style="list-style-type: none"> <li>• (Backward) Stochastic Differential Equations</li> <li>• (Backward) Stochastic Variational Inequalities</li> <li>• Reflected (Backward) Stochastic Differential Equations</li> <li>• Probabilistic methods in the study of Deterministic Partial Differential Equations</li> <li>• Optimal Stochastic Control</li> <li>• Viability and Invariance for Stochastic Differential Equations</li> <li>• Skorokhod Problem</li> </ul>
Name and address of employer	Faculty of Mathematics, „Alexandru Ioan Cuza” University, Carol I Blvd., no. 11, 700506, Iași, Romania
Type of business or sector	Higher Education
<p><b>Education and training</b></p> <p>Dates &amp; type of mobility research</p>	<p>[1] Laboratoire d'Analyse, Topologie, Probabilités (LATP/UMR 7353), Université de Provence, Marseille, France, November – December 2007</p> <p>[2] Département de Mathématiques, UFR Sciences et Techniques, Université de Bretagne Occidentale, Brest, France, June – July 2008</p> <p>[3] Département de Mathématiques, Université du Maine, Le Mans, France, May – June 2009</p> <p>[4] <i>Summer School in Stochastic Analysis</i>, School of Mathematics, University of Manchester, August 10–21, 2009, Manchester, United Kingdom</p>

	<p>[5] <i>Spring School "Stochastic Models in Finance and Insurance"</i>, Fakultät für Mathematik – Institut für Stochastik, March 21 – April 1, 2011, Jena, Germany</p> <p>[6] <i>Research School on SDEs and Control in Infinite Dimensions</i>, Università degli studi di Milano – Bicocca, June 27 – July 8, 2011, Milano, Italy</p> <p>[7] <i>Research School on Controllability of Deterministic and Stochastic Systems and its Applications</i>, June 2012, Iași, Romania</p> <p>[8] IMATH, Université du Sud-Toulon-Var, Toulon, France, November 2011; March 2012; November, 2012</p> <p>[9] Faculty of Mathematics and Computer Science, Nicolaus Copernicus University, Torun, Poland, May 27 – June 16, 2013</p> <p>[10] Dipartimento di Matematica, Università degli Studi di Trento, Trento, Italy: March 22 – April 13, 2014; October 25 – November 22, 2014; March 7 – April 4, 2015; March 26 – May 21, 2016</p> <p>[11] Dipartimento di Informatica, Università di Verona, Italy, March 26 – May 21, 2016; March 13 – April 9, 2017</p>
Date	<p>Subject of the Thesis: <i>Viability and Optimal Control for Stochastic Differential Equations in Infinite Dimensional Spaces</i></p> <p>PhD advisor: <b>Professor Aurel Rășcanu</b>, Faculty of Mathematics, „Alexandru Ioan Cuza” University, Iasi</p> <p>Referees: <b>Acad. Viorel Barbu</b>, “Octav Mayer”Mathematics Institute of the Romanian Academy, Iasi branch <b>Professor Constantin Tudor</b>, Faculty of Mathematics and Computer Science, University of Bucharest <b>Professor Lucrețiu Stoica</b>, Faculty of Mathematics and Computer Science, University of Bucharest</p>
Title of qualification awarded	PhD in Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania
Dates	<p>01.10.2002 – 29.02. 2008: PhD student at Faculty of Mathematics, “Alexandru Ioan Cuza” University, Iași, Romania</p> <p>February 29<sup>th</sup>, 2008, Public defence of the thesis:</p> <ul style="list-style-type: none"> <li>- subject of the thesis: <i>Viability and Optimal Control for Stochastic Differential Equations in Infinite Dimensional Spaces</i>,</li> <li>- PhD advisor professor Aurel RĂȘCANU</li> <li>- Committee: Acad. Viorel BARBU, prof. Constantin TUDOR, prof. Lucrețiu STOICA</li> </ul>
Title of qualification awarded	Master in <i>Partial Differential Equations and Applications</i>
Principal subjects/occupational skills covered	Stochastic Differential Equations (Backward and Forward), (Stochastic and Deterministic) Variational inequalities, Partial Differential Equations
Name and type of organisation providing education Dates Title of qualification awarded	<p>„Alexandru Ioan Cuza” University, <b>Faculty of Mathematics</b>, Iași</p> <p>1999 – 2001</p> <p>Master degree</p>
Name and type of organisation providing education Dates Title of qualification awarded	<p>„Alexandru Ioan Cuza” University, <b>Faculty of Philosophy</b>, Iași</p> <p>1999 – 2003</p> <p>Bachelor degree</p>
Name and type of organisation providing education Dates	<p>„Alexandru Ioan Cuza” University, Faculty of Mathematics, Iași</p> <p>1995 – 1999</p>

Title of qualification awarded	Bachelor degree									
Name and type of organisation providing education	„Mihail Sadoveanu” Highschool, Iași									
Dates	1991 – 1995									
<b>Personal skills and competences</b>	Romanian									
Mother tongue(s)										
Other language(s) Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>	
European level (*)	Listening		Reading		Listening interaction		Speaking interaction			
English	B1	Proficient user	B1	Proficient user	B2	Proficient user	B2	Proficient user	B2	Proficient user
French	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
	<i>(*) Common European Framework of Reference for Languages</i>									

Organisational skills and Managerial competences	<ul style="list-style-type: none"> <li>• Member of the workgroup <i>Seminar of Stochastic Analysis and Applications</i> (director professor Aurel Răşcanu)</li> <li>• Member of the organizing committee for the international <i>Worskshop on Stochastic Partial Differential Equations</i>, September 8–9, 2008, “Alexandru Ioan Cuza” University, Iaşi, Romania</li> <li>• Chairman/monitor at: <i>International Student Conference on Pure and Applied Mathematics – ISOPAM</i>, July 12-16, 2010, Iaşi, Romania</li> <li>• Member of the organizing committee for the <i>Research School on Controllability of Deterministic and Stochastic Systems and its Applications</i>, June 18–30, 2012, “Alexandru Ioan Cuza” University, Iaşi, Romania (<a href="http://www.math.uaic.ro/~ITN2012/index.php?option=com_content&amp;view=article&amp;id=51&amp;Itemid=53">http://www.math.uaic.ro/~ITN2012/index.php?option=com_content&amp;view=article&amp;id=51&amp;Itemid=53</a>)</li> <li>• Member of the organizing committee for the <i>International Conference on “Controlled deterministic and stochastic systems”</i>, July 2–7, 2012, “Alexandru Ioan Cuza” University, Iaşi, Romania (<a href="http://www.math.uaic.ro/~ITN2012/index.php?option=com_content&amp;view=article&amp;id=47&amp;Itemid=60">http://www.math.uaic.ro/~ITN2012/index.php?option=com_content&amp;view=article&amp;id=47&amp;Itemid=60</a>)</li> <li>• Member of the organizing committee for the international <i>Workshop on Deterministic and Stochastic Dynamical Systems and Applications</i>, September 3–7, 2012, “Alexandru Ioan Cuza” University, Voroneţ, Romania</li> <li>• Member of the managing team of the European Grant FP7 PEOPLE, Marie Curie Actions, ITN type, no. 213841/2008, director: Prof. Aurel Rascanu, 2008–2012, project’s host institution: “Alexandru Ioan Cuza” University, Iaşi, Romania (<a href="http://www.math.uaic.ro/~ITN_Marie_Curie/board.php">http://www.math.uaic.ro/~ITN_Marie_Curie/board.php</a>)</li> <li>• Member of the managing team of the research grant IDEAS, no. 241/05.10.2011, Principal Investigator: Prof. Aurel Rascanu, 2011–2016, project’s host institution: “Alexandru Ioan Cuza” University, Iaşi, Romania (<a href="http://www.math.uaic.ro/~rascanu/idei_241/">http://www.math.uaic.ro/~rascanu/idei_241/</a>)</li> <li>• Member of the managing team of the research grant CAPACITIES, no. 1ERC/02.07.2012, Principal Investigator: Acad. Viorel Barbu, 2012–2014, project’s host institution: “Alexandru Ioan Cuza” University, Iaşi, Romania (<a href="http://www.math.uaic.ro/~ERC/Barbu/">http://www.math.uaic.ro/~ERC/Barbu/</a>)</li> <li>• Member of the organizing committee for the <i>International Conference on Applied and Pure Mathematics</i>, November 1–3, 2013, “Gheorghe Asachi” Technical University, Iaşi, Romania (<a href="http://math.etc.tuiasi.ro/apm2013/com_org.php">http://math.etc.tuiasi.ro/apm2013/com_org.php</a>)</li> <li>• Member of the organizing committee for the <i>South Eastern European Mathematical Olympiad for University Students (SEEMOUS 2014)</i>, March 5–9, 2014, “Gheorghe Asachi” Technical University, Iaşi, Romania (<a href="http://math.etti.tuiasi.ro/seemous/?page_id=68">http://math.etti.tuiasi.ro/seemous/?page_id=68</a>)</li> <li>• Member of the organizing committee for the <i>International Conference on Applied and Pure Mathematics</i>, November 6–8, 2015, “Gheorghe Asachi” Technical University, Iaşi, Romania (<a href="http://math.etc.tuiasi.ro/apm2015/com_org.php">http://math.etc.tuiasi.ro/apm2015/com_org.php</a>)</li> <li>• Member of the organizing committee for the <i>International Conference on Applied and Pure Mathematics</i>, November 2-5, 2017, “Gheorghe Asachi” Technical University, Iaşi, Romania (<a href="http://math.etc.tuiasi.ro/apm2017/com_org.php">http://math.etc.tuiasi.ro/apm2017/com_org.php</a>)</li> </ul>
Driving licence	B category

<p style="text-align: center;"><b>Additional information</b></p>	<p><b>Research grants</b></p> <p>[1] Member of the Research Grant CNCSIS type A, code 818/2005, „Gheorghe Asachi” Tehnical University of Iași, Title: <i>Studiul existenței, unicității, stabilității și aproximării soluțiilor unor clase de ecuații funcționale</i>, director Prof. A. Corduneanu, 2004 – 2005</p> <p>[2] Member of the Research Grant CNCSIS, code 387/2005, „Gheorghe Asachi” Tehnical University of Iași, Title: <i>Rezolvarea analitică și numerică ecuațiilor guvernării unor curgeri ale fluidelor non-Newtoniene incompresibile cu aplicații în biologie și elastohidrodinamica lubrefianților</i>, director proiect Prof. Constantin Fetecău, 2005 – 2007</p> <p>[3] Member of the Research Grant CNCSIS tip A, cod 125/2006, „Gheorghe Asachi” Tehnical University of Iași, Title: <i>Evoluții neliniare în spații Banach și aplicații</i>, director Prof. Rodica Luca Tudorache, 2006 – 2008</p> <p>[4] Member of the Research Grant CNCSIS, no. 1156/2006, “Alexandru Ioan Cuza” University, Title: <i>Deterministic and stochastic differential models with states constraints. Control, invariance and numerical approximation</i>, director Prof. Aurel Rășcanu, 2006 – 2008</p> <p>[5] Member of the Research Grant IDEAS, no. 395/2007, “Alexandru Ioan Cuza” University, Title: <i>Differential systems with random perturbations; control and viability problems</i>, director Prof. Aurel Rășcanu, 2007–2010, <a href="http://www.math.uaic.ro/~idei/">http://www.math.uaic.ro/~idei/</a></p> <p>[6] Member of the Research Grant FP7 PEOPLE ITN, no. 213841/2008, “Alexandru Ioan Cuza” University, Title: <i>Deterministic and Stochastic Controlled Systems and Applications</i>, director Prof. Aurel Rășcanu, 2008–2012, <a href="http://www.math.uaic.ro/~ITN_Marie_Curie/">http://www.math.uaic.ro/~ITN_Marie_Curie/</a></p> <p>[7] Member of the Research Grant IDEAS, no. 241/2011, “Alexandru Ioan Cuza” University, Title: <i>Deterministic and Stochastic Systems with State Constraints</i>, Principal Investigator: Prof. Aurel Rășcanu, 2011–2016, <a href="http://www.math.uaic.ro/~idei/rascanu/">http://www.math.uaic.ro/~idei/rascanu/</a></p> <p>[8] Member of the Research Grant CAPACITIES, no. 1ERC-02.07.2012, “Alexandru Ioan Cuza” University, Title: <i>Interconnected Methods to Analysis of Deterministic and Stochastic Partial Differential Equations</i>, Principal Investigator: Acad. Viorel Barbu, 2012 – 2014, <a href="http://www.math.uaic.ro/~ERC/Barbu/">http://www.math.uaic.ro/~ERC/Barbu/</a></p> <p><b>Scientific Monitor în cadrul proiectelor de cercetare:</b></p> <p>[9] FP7 PEOPLE ITN, nr. 213841/2008, <i>Deterministic and Stochastic Controlled Systems and Applications</i>, Universitatea “Alexandru Ioan Cuza”, Iași, director Prof. Aurel Rășcanu, 2008–2012, <a href="http://www.math.uaic.ro/~ITN_Marie_Curie/">http://www.math.uaic.ro/~ITN_Marie_Curie/</a></p> <p><b>for the PhD students:</b>  Tianyang NIE (cotutelă Iași – Brest) and  Diomande BAKARIME (cotutelă Milano – Iași)  <a href="https://www.math.uaic.ro/~ITN_Marie_Curie/recruitment.php">https://www.math.uaic.ro/~ITN_Marie_Curie/recruitment.php</a></p>
	<p style="text-align: center;"><b>Annexes</b></p>

## Annex A: List of papers

### Books

- [1] **Maticiuc, Lucian**, *Analiză Matematică*, Editura PERFORMANTICA, Iași, **2014** (270 pagini), ISBN 978-606-685-219-7 (<http://performantica.ro/2020/04/13/carti-aparute-in-2016/>)
- [2] **Maticiuc, Lucian**, *Teoria Probabilităților*, Iași, **2020** (572 pagini), disponibilă online la adresa [https://www.math.uaic.ro/~maticiuc/didactic/Probability\\_Theory.pdf](https://www.math.uaic.ro/~maticiuc/didactic/Probability_Theory.pdf)

### Scientific Articles

- [3] Di Persio, Luca; **Maticiuc, Lucian**; Zălinescu, Adrian, *Parameter dependence of time-delayed BSDEs with Stieltjes integral*, **submitted for publication**
- [4] **Maticiuc, Lucian**; Rășcanu, Aurel,  *$L^p$  – Variational Solutions of Generalized Multivalued Backward Stochastic Differential Equations*, **submitted for publication**, <https://arxiv.org/abs/1910.09977>
- [5] Cordoni, Francesco; Di Persio, Luca; **Maticiuc, Lucian**; Zălinescu, Adrian, *A stochastic approach for path dependent nonlinear Kolmogorov equations via BSDEs with time-delayed generators*, **Stochastic Processes and their Applications (FI<sup>1</sup>: 1.414, SRI<sup>2</sup>: 1.673)**, vol. 130, no. 3, 1669–1712 (**2020**), <https://www.sciencedirect.com/science/article/abs/pii/S0304414919303278?via%3Dihub> and <http://arxiv.org/abs/1602.05793>
- [6] **Maticiuc, Lucian**; Rotenstein, Eduard, *Anticipated Backward Stochastic Variational Inequalities with Generalized Reflection*, **Stochastics and Dynamics (FI: 0.742, SRI: 0.701)**, vol. 18, no. 2, Article Number 1850008 (**2018**), <https://www.worldscientific.com/doi/abs/10.1142/S0219493718500089>
- [7] Diomande, Bakarime; **Maticiuc, Lucian**, *Multivalued Stochastic Delay Differential Equations and Related Stochastic Control Problems*, **Quaestiones Mathematicae (FI: 1.049, SRI: 0.478)**, vol. 40, no. 6, 769–802, (**2017**), <https://www.tandfonline.com/doi/abs/10.2989/16073606.2017.1315346> and <https://arxiv.org/abs/1305.7003>
- [8] **Maticiuc, Lucian**; Rășcanu, Aurel; Słomiński, Leszek, *Multivalued Monotone Stochastic Differential Equations with Jumps*, **Stochastics and Dynamics (FI: 0.742, SRI: 0.701)**, vol. 17, no. 3, Article Number 1750018 (**2017**), <https://www.worldscientific.com/doi/abs/10.1142/S0219493717500186> and <https://arxiv.org/abs/1401.3681>
- [9] **Maticiuc, Lucian**; Rășcanu, Aurel, *On the continuity of the probabilistic representation of a semilinear Neumann–Dirichlet problem*, **Stochastic Processes and their Applications (FI: 1.414, SRI: 1.673)**, vol. 126, no. 2, 572–607 (**2016**), <http://www.sciencedirect.com/science/article/pii/S030441491500229X> and <http://arxiv.org/abs/1309.4935>
- [10] Buckdahn, Rainer; **Maticiuc, Lucian**; Pardoux, Etienne; Rășcanu, Aurel, *Stochastic Variational Inequalities on Non-Convex Domains*, **Journal of Differential Equations (FI: 2.192, SRI: 2.403)**, vol. 259, no. 12, 7332–7374 (**2015**), <http://www.sciencedirect.com/science/article/pii/S002203961500426X> and <http://arxiv.org/abs/1407.1876>
- [11] **Maticiuc, Lucian**; Rășcanu, Aurel; Słomiński, Leszek; Topolewski, Mateusz, *Càdlàg Skorokhod problem driven by a maximal monotone operator*, **Journal of Mathematical Analysis and Applications (FI: 1.220, SRI: 1.104)**, vol. 429, no. 2, 1305–1346 (**2015**), <https://www.sciencedirect.com/science/article/pii/S0022247X15003807> and <http://arxiv.org/abs/1306.1686>

---

<sup>1</sup> FI = Factorul de Impact este preluat de pe platforma [Web of Science \(Journal Citation Reports\)](http://www.webofscience.com)

<sup>2</sup> SRI = Scor Relativ de Influență publicat în iunie 2019 (pentru 2018) și este preluat de pe platforma [Uefiscdi - Scor Relativ de Influenta](http://www.uefiscdi.ro)

- [12] **Maticiuc, Lucian**; Rășcanu, Aurel, *Backward Stochastic Variational Inequalities on Random Interval, Bernoulli* (FI: 1.496, SRI: 2.203), vol. 21, no. 2, 1166–1199 (2015), <http://projecteuclid.org/euclid.bj/1429624974> and <http://arxiv.org/abs/1112.5792>
- [13] **Maticiuc, Lucian**; Nie, Tianyang, *Fractional Backward Stochastic Differential Equations and Fractional Backward Variational Inequalities, Journal of Theoretical Probability* (FI: 0.682, SRI: 0.983), vol. 28, no.1, 337–395 (2015), <http://link.springer.com/article/10.1007%2Fs10959-013-0509-9> and <http://arxiv.org/abs/1102.3014>
- [14] Diomande, Bakarime; **Maticiuc, Lucian**, *Multivalued backward stochastic differential equations with time delayed generators, Central European Journal of Mathematics*, vol. 12, no. 11, 1624–1637 (2014), <http://link.springer.com/article/10.2478%2Fs11533-014-0434-x> și <http://arxiv.org/abs/1305.7170>
- [15] **Maticiuc, Lucian**; Rășcanu, Aurel; Zălinescu, Adrian, *Backward stochastic variational inequalities with locally bounded generators, Annals of the “Alexandru Ioan Cuza” University – Mathematics*, vol. 60, no. 2, 503–526 (2014), [https://www.math.uaic.ro/~annalsmath/new/?page\\_id=456](https://www.math.uaic.ro/~annalsmath/new/?page_id=456) and <http://arxiv.org/abs/0808.0801>
- [16] Bahlali, Khaled; **Maticiuc, Lucian**; Zălinescu, Adrian, *Penalization method for a nonlinear Neumann PDE via weak solutions of reflected SDEs, Electronic Journal of Probability* (FI: 1.123, SRI: 1.745), vol. 18, article 102, 1–19 (2013), <https://projecteuclid.org/euclid.ejp/1465064327> and <http://arxiv.org/abs/1308.2173>
- [17] **Maticiuc, Lucian**; Rotenstein, Eduard, *Numerical schemes for multivalued backward stochastic differential systems, Central European Journal of Mathematics*, vol. 10, no. 2, 693–702 (2012), <http://link.springer.com/article/10.2478%2Fs11533-011-0131-y> and <http://arxiv.org/abs/1101.1831>
- [18] **Maticiuc, Lucian**; Pardoux, Etienne; Rășcanu, Aurel; Zălinescu, Adrian, *Viscosity solutions for systems of parabolic variational inequalities, Bernoulli* (FI: 1.496, SRI: 2.203), vol. 16, no. 1, 258–273 (2010), <https://projecteuclid.org/euclid.bj/1265984711> and <http://arxiv.org/abs/0807.4415>
- [19] **Maticiuc, Lucian**; Rășcanu, Aurel, *A stochastic approach to a multivalued Dirichlet–Neumann problem, Stochastic Processes and their Applications* (FI: 1.414, SRI: 1.673), vol. 120, no. 6, 777–800 (2010), <http://www.sciencedirect.com/science/article/pii/S030441491000030X> and <http://arxiv.org/abs/0808.0817>
- [20] **Maticiuc, Lucian**; Rășcanu, Aurel, *Backward stochastic generalized variational inequality*, Cârjă, Ovidiu, Vrabie, I. Ioan (eds.), *Applied analysis and differential equations. Selected papers from the international conference, “Al. I. Cuza” University of Iași, Romania, September 4–9, 2006*. Hackensack, NJ: World Scientific, 217–226 (2007), <http://www.worldscientific.com/worldscibooks/10.1142/6407#t=oc>
- [21] **Maticiuc, Lucian**; Rășcanu, Aurel, *Viability of moving sets for a nonlinear Neumann problem, Nonlinear Analysis – Theory, Methods & Applications* (FI: 1.587, SRI: 1.643), vol. 66, no. 7, 1587–1599 (2007), <http://www.sciencedirect.com/science/article/pii/S0362546X06000976>

## Annex B: Relative Influence Score: 8.861

The total number of points of Relative Influence Score is **7.099** (for journals greater than 0.5 and divided by the number of authors) and it is made using the list <https://uefiscdi.ro/scientometrie-baze-de-date> (for 2019, published in June 2020)

If we consider the maximum score of Influence Relative Score from the last 5 years, the total number of points is **8.861**



**Annex C: Number of citations (excluding self citations): 54**  
**(from which 52 are in the journals with RIS greater than 0.5)**  
**H-Index (conform [Web of Science](#)): 5**

---

#### **Annex D: Invited Professor/Researcher**

- **Invited Researcher** (and payed by the host university):
    - 1.1 Faculty of Mathematics and Computer Science, **Nicolaus Copernicus University**, Torun, Poland, 27 Mai – 16 Iunie 2013
  - **Invited Professor (and payed by the host university):**
    - 2.1 Dipartimento di Informatica, **Università di Verona**, 7 Martie – 4 Aprilie 2015  
**Courses, 24 hours:** *Elements of Multivariate Statistics and Principal Component Analysis*, anul I, Master's Degree in Mathematics
    - 2.2 Dipartimento di Informatica, **Università di Verona**, 26 Martie – 21 Mai 2016:  
**Courses, 24 hours:** *Elements of Multivariate Statistics and Principal Component Analysis*, anul I, Master's Degree in Mathematics și  
**Courses, 24 hours:** *Probability*, anul II, Degree in Applied Mathematics
    - 2.3 Dipartimento di Informatica, **Università di Verona**, 13 Martie – 9 Aprilie 2017:  
**Courses, 24 hours:** *Elements of Multivariate Statistics and Principal Component Analysis*, anul I, Master's Degree in Mathematics
- 

#### **Annex E: Member of PhD Committee**

Membru în comisia de examinare finală, pentru evaluarea candidatului doctorand, în cadrul susținerii publice a tezei de doctorat:

1. Francesco CORDONI, Dipartimento di Matematica, **Università di Trento**, 28 Noiembrie 2016, Trento, Italia, <http://eprints-phd.biblio.unitn.it/1870/1/Thesis.pdf>, membru numit prin decretul Rectorului, **nr. 754 din 2 Noiembrie 2016**.
  2. Chiara BENAZZOLI, Dipartimento di Informatica, **Università di Trento**, 6 Iunie 2018, Trento, Italia, [http://eprints-phd.biblio.unitn.it/2994/1/PhD\\_Thesis\\_-\\_Chiara\\_Benazzoli\\_-\\_eprints.pdf](http://eprints-phd.biblio.unitn.it/2994/1/PhD_Thesis_-_Chiara_Benazzoli_-_eprints.pdf), membru numit prin decretul Rectorului, **nr. 368 din 17 Mai 2018**.
  3. Luca PREZIOSO, Dipartimento di Informatica, **Università di Trento**, 25 Martie 2020, Trento, Italia, [https://www.math.uaic.ro/~maticiuc/PhD\\_Thesis\\_Luca\\_Prezioso\\_2020.pdf](https://www.math.uaic.ro/~maticiuc/PhD_Thesis_Luca_Prezioso_2020.pdf), membru numit prin decretul Rectorului, **nr. 206 din 12 Martie 2020**.
- 

#### **Annex F: Lectures at conferences and attendance**

- [1] **International Workshop on Viability and Flow Invariance**, Gălănești, **Romania**, August 22–25, 2005, talk: *On the Viability of a Moving Set for a Nonlinear Neumann Boundary Problem*
- [2] **Zilele Universității „Alexandru Ioan Cuza”**, Sesiunea de comunicări științifice a Facultății de Matematică, Iași, **Romania**, October 28–29, 2005, talk: *Viabilitatea problemei Neumann neliniare*
- [3] **International Conference on Applied Analysis and Differential Equations (ICAADe)**, Iași, **Romania**, September, 4–9, 2006, talk: *Backward Stochastic Generalized Variational Inequality*, <http://www.math.uaic.ro/~icaade/program.php>

- [4] **CAMA 2007, A IX-a Conferință Națională de Analiză Matematică și Aplicații**, Iași, Romania, October 26–27, 2007, talk: *Viscosity Solution for Multidimensional Parabolic Variational Inequalities*, [http://www.math.uaic.ro/~cama\\_07/](http://www.math.uaic.ro/~cama_07/)
- [5] **Workshop on Mathematical approaches in optimization, modellisation and control**, Iași, Romania, April 11, 2008, talk: *Backward stochastic variational inequalities in Hilbert spaces*, <http://www.math.uaic.ro/~lefter/workshop.html>
- [6] **The fifth Colloquium on Backward Stochastic Differential Equations, Finance and Applications**, Le Mans, France, June 18-20, 2008
- [7] **Workshop on Stochastic Partial Differential Equations**, Iași, Romania, September 8–9, 2008, talk: *Viability of Moving Sets for SDE with Reflecting Boundary Conditions. A Stochastic Control Problem*
- [8] **Diaspora în Cercetarea Științifică Românească**, București, Romania, September 17–19, 2008
- [9] **Zilele Universității „Alexandru Ioan Cuza”**, Sesiunea de comunicări științifice a Facultății de Matematică, Iași, Romania, October 17, 2008, talk: *Stochastic variational inequalities with smooth reflexion proces in infinite dimensional spaces*
- [10] **Summer School in Stochastic Analysis**, Manchester, UK, August 10–21, 2009, [http://www.mims.manchester.ac.uk/events/workshops/summer\\_school09.html](http://www.mims.manchester.ac.uk/events/workshops/summer_school09.html)
- [11] **Conference on Stochastic Differential Equations, Stochastic Partial Differential Equations and Related Topics**, Manchester, UK, August 24–28, 2009, talk: *Backward stochastic variational inequalities under locally bounded growth*, [http://www.mims.manchester.ac.uk/events/workshops/SDEs\\_SPDEs09.html](http://www.mims.manchester.ac.uk/events/workshops/SDEs_SPDEs09.html)
- [12] **10ème Colloque Franco-Roumain de Mathématiques Appliquées**, Poitiers, France, 26–31 Août 2010, talk: *Approximation Methods for Generalized Backward Stochastic Variational Inequalities*, <http://www-math.univ-poitiers.fr/CFR2010/>
- [13] **International Conference on Applied and Pure Mathematics**, “Gheorghe Asachi” Technical University, Iași, Romania, November 12-14, 2010, talk: *A stochastic approach for systems of multivalued partial differential equations*, [http://math.etc.tuiasi.ro/apm2010/index\\_eng.php](http://math.etc.tuiasi.ro/apm2010/index_eng.php)
- [14] **Spring School “Stochastic Models in Finance and Insurance”**, Jena, Germany, March 21 – April 1, 2011, talk: *Multivalued backward stochastic differential equations driven by fractional Brownian motion with Hurst parameter  $H > 1/2$* , <http://www.minet.uni-jena.de/Marie-Curie-ITN/SMIF/SMIF.html>
- [15] **Summer School on Stochastic Control and Related PDEs**, Milano, Italy, June 27 – July 8, 2011, talk: *Multivalued Backward Stochastic Differential Equations with Time Delayed Generators*, <http://www.mate.polimi.it/scpde/>
- [16] **Workshop “Topics on Stochastic Control”**, Milano, Italy, July 11 – 13, 2011, <http://www.mate.polimi.it/tsc/>
- [17] **Workshop on Stochastic Analysis and Applications**, El Kelaa Mgouna, Maroc, April 9 – 14, 2012, talk: *Variational Weak Solution of Backward Stochastic Variational Inequalities*, <http://www1.ucam.ac.ma/itn-marrakech/event.html>
- [18] **Research School on Controllability of Deterministic and Stochastic Systems and its Applications**, Iasi, Romania, June 18 – 30, 2012, <http://www.math.uaic.ro/~ITN2012/>
- [19] **International Conference on Controlled Deterministic and Stochastic Systems**, Iasi, Romania, July 2 – 7, 2012, <http://www.math.uaic.ro/~ITN2012/>
- [20] **Workshop on Deterministic and Stochastic Dynamical Systems and Applications**, Voronet, Romania, September 3-7, 2012, talk: *Generalized BSDE on Random Time Interval; Variational Weak Formulation*
- [21] **Zilele Universității „Alexandru Ioan Cuza”**, Sesiunea de comunicări științifice a Facultății de Matematică, Iași, Romania, October 26, 2012, talk: *Fractional Backward Stochastic Variational Inequalities*, [http://www.math.uaic.ro/continut/download/download.php?cod\\_file=243](http://www.math.uaic.ro/continut/download/download.php?cod_file=243)
- [22] **German-Polish joint Conference on Probability and Mathematical Statistics**, Torun, Poland, June 6 – 9, 2013, poster: *Stochastic Delay Variational Inequalities and associated Stochastic Control Problems*, <http://www.gpps.umk.pl/?q=node/16>
- [23] **Zilele Universității „Alexandru Ioan Cuza”**, Sesiunea de comunicări științifice a Facultății de Matematică, Iași, Romania, October 26, 2013, talk: *Backward Stochastic Variational Inequalities with Time-delayed generators*, [http://www.math.uaic.ro/continut/download/download.php?cod\\_file=275](http://www.math.uaic.ro/continut/download/download.php?cod_file=275)

- [24] **International Conference on Applied and Pure Mathematics**, Iași, **Romania**, November 1 – 3, **2013**, talk: *Multivalued differential equation with singular input and driven by Fréchet subdifferential operator*, <http://math.etc.tuiasi.ro/apm2013/programme.php>
- [25] Talk: *Backward stochastic variational inequalities with time-delayed generators*, Aula Seminari, Dipartimento di Matematica, Università degli Studi di Trento, **Trento, Italy**, April 3, **2014**
- [26] Talk: *Stochastic Differential Delay Systems and Optimal Control Problems*, Dipartimento di Informatica, Università degli Studi di Verona, **Verona, Italy**, April 9, **2014**, <http://www.di.univr.it/?ent=seminario&id=3109&idC=70&lang=it>
- [27] Talk: *Path dependent partial differential equation with applications in Mathematical Finance*, Dipartimento di Informatica, Università degli Studi di Verona, **Verona, Italy**, 13:30 – 15:30, November 20, **2014**, <http://www.di.univr.it/?ent=seminario&id=3220>
- [28] **The Eighth Congress of Romanian Mathematicians**, Iași, **Romania**, June 26 – July 1, **2015**, talk: *Viscosity solutions for functional parabolic PDEs. A stochastic approach via BSDEs with time-delayed* (<http://www.math.uaic.ro/cmr2015/index.php?talks&psams#psams>)
- [29] **Zilele Universității “Alexandru Ioan Cuza”**, Sesiunea de comunicări Științifice a Facultății de Matematică, Iași, **Romania**, October 23, **2015**, talk: *A Càdlàg Skorohod problem driven by a maximal monotone operator* ([http://www.math.uaic.ro/continut/download/download.php?cod\\_file=354](http://www.math.uaic.ro/continut/download/download.php?cod_file=354))
- [30] **International Conference on Applied and Pure Mathematics**, Iași, **Romania**, November 6 – 8, **2015**, talk: *A Multivalued Càdlàg Reflected Problem* (<http://math.etc.tuiasi.ro/apm2015/programme.php>)
- [31] **XIIIème Colloque Franco-Roumain de Mathématiques Appliquées**, Iași, **Romania**, 25 – 29 Août, **2016**, talk: *A Generalized Skorokhod Problem with Càdlàg Discontinuities* (<http://www.math.uaic.ro/cfr2016/index.php?programme>)
- [32] **International Conference on Applied and Pure Mathematics**, Iași, **Romania**, November 2 – 5, **2017**, talk: *Multivalued Backward Stochastic Differential Equations of Anticipated type* (<http://math.etc.tuiasi.ro/apm2017/programme.php>)
- [33] **Sesiunea de comunicări științifice a Institutului de Matematică “Octav Mayer”**, Romanian Academy (Iași branch), Iași, **Romania**, October 19, **2019**, titlul prezentării: *Continuity of the viscosity solutions via Jakubowski topology* ([https://www.math.uaic.ro/~IMOM/ZAI\\_IMOM\\_2019.pdf](https://www.math.uaic.ro/~IMOM/ZAI_IMOM_2019.pdf))
- [34] **International Conference on Applied and Pure Mathematics**, Iași, **Romania**, October 31 – November 3, **2019**, titlul prezentării: *Existence and continuity of the viscosity solutions via generalized Feynman-Kac representation formula* (<http://math.etc.tuiasi.ro/apm2019/programme.php>)
- [35] **Workshop in the frame of annuals meetings “Alexandru Ioan Cuza” University days dedicated to the 70th anniversary of Professor Aurel RĂȘCANU**, Online ZOOM, Iași, **Romania**, October 30, **2020**, *Backward Stochastic Variational Inequalities.  $L^p$ -variational weak formulation* ([https://www.math.uaic.ro/continut/secretariat/download.php?cod\\_file=0125](https://www.math.uaic.ro/continut/secretariat/download.php?cod_file=0125))
-