

INFORMAȚII PERSONALE Szilárd Csaba László

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🌐 <https://sites.google.com/site/laszloszilardcsaba/>

💬 Skype Szilard Csaba Laszlo

Sexul Masculin | Data nașterii 22/04/1977 | Naționalitatea română

**LOCUL DE MUNCĂ PENTRU
CARE SE CANDIDEAZĂ****Director de Departament- Matematică****EXPERIENȚA PROFESIONALĂ**

-
- 01/10/2016–Prezent Conferențiar universitar, Universitatea Tehnică din Cluj-Napoca, Departamentul de Matematică
- 01/05/2018–Prezent Director Proiect Tinere Echipe, PN-III-P1-1.1-TE-2016-0266, Universitatea Tehnică din Cluj-Napoca, finanțat de Ministerul Educației Naționale, CNCS-UEFISCDI (450.000RON)
- 01/07/2017–31/12/2019 Cercetător în cadrul proiectului de idei PN-III-P4-ID-PCE-2016-0190, Universitatea Babeș-Bolyai Cluj-Napoca, director proiect prof.dr. Kassay Gábor, finanțat de UEFISCDI (850.000RON)
- 01/10/2014–30/09/2016 Lector universitar, Universitatea Tehnică din Cluj-Napoca, Departamentul de Matematică
- 01/05/2013–31/10/2015 Director Proiect. Postdoctoral Research Project, PN-II-RU-PD-2012-3-0166, Universitatea Tehnică din Cluj-Napoca, finanțat de Ministerul Educației Naționale, CNCS-UEFISCDI (299.992 RON)
- 01/10/2012–30/09/2014 Asistent universitar, Universitatea Tehnică din Cluj-Napoca, Departamentul de Matematică
- 01/10/2012–30/04/2013 Cadru Didactic Asociat, Universitatea Babeș-Bolyai Cluj-Napoca, Facultatea de Matematică și Informatică
- 05/10/2011–04/10/2016 Cercetător în cadrul proiectului de idei PN-II-ID-PCE-3-0024/2011, Universitatea Babeș-Bolyai Cluj-Napoca, finanțat de UEFISCDI (1.000.000RON)
- 01/09/2001–31/08/2012 Profesor de matematică la școală gimnazială

EDUCAȚIE ȘI FORMARE

-
- 19/07/2017 Abilitare în Matematică: Topics in Variational Analysis via Monotonicity and Convexity, Universitatea Tehnică din Cluj-Napoca
- 01/10/2008–23/09/2011 Doctor în Matematică: The theory of monotone operators with applications, Universitatea Babeș-Bolyai Cluj-Napoca

01/10/2006–30/06/2008	Masterat în Matematică-Informatică Aplicată, Universitatea Lucian Blaga Sibiu
01/10/1996–30/06/2000	Licențiat în Matematică, Universitatea Babeș-Bolyai Cluj-Napoca
01/10/2010–31/05/2011	Stagiu de cercetare la Technische Universität, Chemnitz, Germania
08/06/2014–20/06/2014	Vizită de cercetare la University of Vienna, Austria
13/11/2016–20/11/2016	Vizită de cercetare la University of Vienna, Austria
07/07/2018–12/07/2018	Vizită de cercetare la University of Vienna, Austria
27/01/2019–02/02/2019	Vizită de cercetare la University of Vienna, Austria
25/02/2019–02/03/2019	Vizită de cercetare la University of Vienna, Austria
05/11/2019–16/11/2019	Vizită de cercetare la University of Vienna, Austria

COMPETENȚE PERSONALE

Limba(i) maternă(e) maghiară

Limbile străine

	ÎNTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
engleză	C2	C2	C1	C1	C2

Niveluri: A1 și A2: Utilizator elementar - B1 și B2: Utilizator independent - C1 și C2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

Competențe de comunicare bune abilități de comunicare dobândite în urma experienței mele ca și cadru didactic

Competențe organizaționale/manageriale -bune abilități de conducere a unei echipe de cercetare, dobândite ca director proiect Tinere Echipe 70/2018
 -colaborări cu cercetători tineri, doctoranzi și studenți

Competențe dobândite la locul de muncă -bun mentor (am inițiat în domeniul meu de cercetare, adică optimizare, sisteme dinamice și algoritmi, colegi, doctoranzi și studenți)
 -aptitudinea de a face conexiuni între diferite ramuri teoretice și practice ale matematicii și științe aplicate (aplicații în Image Processing și Machine Learning)

Competențele digitale

		AUTOEVALUARE			
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme	
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	

Competențele digitale - Grilă de auto-evaluare

-o bună cunoaștere a programelor MS Office și Windows
 - cunoștințe avansate LaTeX

- utilizator cu experiență Matlab

Permis de conducere B

INFORMAȚII SUPLIMENTARE

Lucrări Didactice

- [1] Szilárd László, *Monotone Operators: Theory and Applications*, 300 pages LAP LAMBERT Academic Publishing (2013), ISBN: 978-3659497636, <http://www.amazon.com/Monotone-Operators-Applications-Szilard-Laszlo/dp/3659497630>
- [2] Peter Ioan Radu, László Szilárd, Viorel Adrian, *Elements of Linear Algebra*. UTPRESS (2014), ISBN 978-973-662-935-8, <http://algappl.utcluj.ro>
- [3] László Szilárd, Iurie Boreico, Andrei Ciupan, Tudor Micu: Olimpiadele de matematică 2006. Clasa a IX-a, GIL(2007), ISBN 973-9417-72-8
- [4] Marius Damian, Nicolae Stanica, László Szilárd: Olimpiadele de matematică 2006. Clasa a V-a, GIL(2007), ISBN 973-9417-73-6
- [5] Beatrice Ciolan, Emil Ciolan, Marius Damian, Szilárd László: Olimpiadele de matematică 2007. Clasele V-VI, GIL(2008), ISBN 978-973-9417-96-9
- [6] Ghid Metodic: Testare Națională 2007. matematică, GIL(2007), ISBN 973-9417-75-2, Testele 38-40.

Publicații

Lucrări ISI

- [1] S. László, Some Existence Results of Solutions for General Variational Inequalities, *Journal of Optimization Theory and Applications* 150 (3), 425-443 (2011)
- [2] G. Kassay, C. Pintea, S. László, Monotone operators and closed countable sets, *Optimization* 60 (8-9), 1059-1069 (2011)
- [3] S. László, Generalized Monotone Operators, Generalized Convex Functions and Closed Countable Sets, *Journal of Convex Analysis* 18 (4), 1075-1091 (2011)
- [4] S. László, Theta-monotone operators and theta-convex functions, *Taiwanese Journal of Mathematics* 16 (2), 733-759 (2012)
- [5] R.I. Bot, S. László, On the generalized parallel sum of two maximal monotone operators of Gossez type (D), *Journal of Mathematical Analysis and Applications* 391(1), 82-98(2012)
- [6] S. László, Existence of solutions of inverted variational inequalities, *Carpathian J. Math.* 28 (2), 329-336 (2012)
- [7] S. László, B. Burján-Mosoni, About the Maximal Monotonicity of the Generalized Sum of Two Maximal Monotone Operators, *Set-Valued and Variational Analysis* 20(3), 355-368 (2012)
- [8] G. Kassay, C. Pintea, S. László, Monotone operators and first Baire category sets, *Positivity* 16(3), 565-577 (2012)
- [9] S. László, Multivalued variational inequalities and coincidence point results, *Journal of Mathematical Analysis and Applications* 404(1), 105-114 (2013)
- [10] A. Amini-Harandi, S. László, A coincidence point result via variational inequalities, *Fixed Point Theory* 15(1), 87-98 (2014)
- [11] A. Amini-Harandi, S. László, Solution existence of general variational inequalities and coincidence points, *Carpathian Journal of Mathematics* 30(1), 15-22 (2014)
- [12] S. László, On the strong representability of the generalized parallel sum, *Bulletin of Malaysian Mathematical Science Society* 37(4), 1029-1046 (2014)
- [13] A. Amini-Harandi, S. László, Applications of general variational inequalities to coincidence point results, *Publ. Math. Debrecen* 85(1-2), 47-58 (2014)
- [14] S. László, A. Viorel, Densely defined equilibrium problems, *Journal of Optimization Theory and Applications* 166(1), 52-75 (2015)
- [15] S. László, Adnan Viorel, Generalized monotone operators on dense sets, *Numerical Functional Analysis and Optimization* 36, 901-929 (2015)
- [16] S. László, On injectivity of a class of monotone operators with some univalency consequences, *Mediterranean Journal of Mathematics*, 13(2), 729-744 (2016)
- [17] S. László, Vector equilibrium problems on dense sets, *Journal of Optimization Theory and*

- Applications, 170(2), 437-457 (2016)
- [18] S. László: Minimax Results on Dense Sets and Dense Families of Functionals, *Siam Journal on Optimization*, 27(2), 661-685 (2017)
- [19] R.I. Boț, E.R. Csetnek, S. László: A second order dynamical system and a monotone inclusion problem, *Analysis and Applications* 16(05), 601-622 (2018)
- [20] S. László: A primal-dual approach of weak vector equilibrium problems, *Open Mathematics* 16 276-288 (2018)
- [21] R.I. Boț, E.R. Csetnek, S. László: Approaching nonsmooth nonconvex minimization through second order proximal-gradient dynamical systems, *Journal of Evolution Equations*, 18, 1291-1318 (2018)
- [22] R.I. Boț, E.R. Csetnek, S. László: A second-order dynamical approach with variable damping to nonconvex smooth minimization, *Applicable Analysis*, 99, 361-378 (2020)
- [23] C.D. Alecsa, S.C. László, A. Viorel, A gradient-type algorithm with backward inertial steps associated to a nonconvex minimization problem, *Numerical Algorithms* (2019), <https://doi.org/10.1007/s11075-019-00765-z>
- [24] S.C. László, C.D. Alecsa, T. Pinta, An extension of the second order dynamical system that models Nesterov's convex gradient method, <https://arxiv.org/abs/1908.02574>
- [25] S.C. László: Convergence rates for an inertial algorithm of gradient type associated to a smooth nonconvex minimization, <https://arxiv.org/abs/1811.09616>
- [26] R.I. Boț, E.R. Csetnek, S.C. László: Tikhonov regularization of a second order dynamical system with Hessian driven damping, <https://arxiv.org/abs/1911.12845>
- [27] R.I. Boț, E.R. Csetnek, S.C. László: A primal-dual dynamical approach to structured convex minimization problems, <https://arxiv.org/abs/1905.08290>

Lucrări ESCI/BDI

- [28] R. I. Boț, E. R. Csetnek, S. László: An inertial forward-backward algorithm for minimizing the sum of two non-convex functions, *Euro Journal on Computational Optimization*, 4(1), 3-25 (2016)
- [29] S. László: A bivariate infimal convolution formula and the maximal monotonicity of the parallel sum, *Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity* 11, 59-85 (2013)

Prezentări la manifestări științifice

1. Research Seminar Optimization and Approximation, Technische Universität Chemnitz, 10 Noiembrie, 2010, Chemnitz, Germania, lucrarea prezentată "Generalized monotone operators, generalized convex functions and closed countable sets", <http://www.tu-chemnitz.de/mathematik/approximation/seminars.php>
2. Research Seminar Optimization and Approximation, Technische Universität Chemnitz, 18 Mai 2011, Chemnitz, Germania, lucrarea prezentată "On the generalized parallel sum of two maximal monotone operators of Gossez type (D)", <http://www.tu-chemnitz.de/mathematik/approximation/seminars.php>
3. International Conference on Nonlinear Operators, Differential Equations and Applications, 5-8 Iulie 2011, Cluj-Napoca, România, lucrarea prezentată „Operators of type q_1 and some generalized variational inequalities”.
4. The 7-th International Conference on Theory and Applications in Mathematics and Informatics, 21-24 Iulie, 2011, Alba Iulia, România, lucrarea prezentată „Theta-monotone operators and theta-convex functions”.
5. 10-th International Symposium on Generalized Convexity and Monotonicity, 22-27 August, 2011, Cluj-Napoca, România, lucrarea prezentată „Generalized monotone operators, generalized convex functions and closed countable sets”.
6. 21-st International Symposium on Mathematical Programming, 19-24 August, 2012, Berlin, Germania, lucrarea prezentată „Regularity conditions for the maximal monotonicity of the generalized parallel sum”.
7. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeș-Bolyai, 22 Noiembrie, 2012, Cluj-Napoca, România, lucrarea prezentată „Coincidence point results via variational inequalities”, <http://www.cs.ubbcluj.ro/~grupanopt/>
8. Seminar of the Research Group Department of Mathematics Universitatea Tehnică, 21 Martie, 2013, Cluj-Napoca, România, lucrarea prezentată „On some new concepts in nonlinear analysis”.

9. 9-th International Symposium on Geometric Function Theory and Applications, 26-30 August, 2013, Istanbul, Turcia, lucrarea prezentată „Univalence Results via Monotonicity”.
10. 9-th International Conference on Applied Mathematics, 25-28 Septembrie, 2013, Baia-Mare, România, lucrarea prezentată „Multivalued variational inequalities and coincidence point results”.
11. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 10 Octombrie, 2013, Cluj-Napoca, România, lucrarea prezentată „Generalized monotone operators on dense sets”. <http://www.cs.ubbcluj.ro/~grupanopt/>
12. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 8 Mai, 2014, Cluj-Napoca, România, lucrarea prezentată „Densely defined equilibrium problems”. <http://www.cs.ubbcluj.ro/~grupanopt/>
13. Seminar of the Research Group on Applied Mathematics and Optimization, University of Vienna, 12 Iunie, 2014, Viena, Austria, lucrarea prezentată „Self segment-dense sets, generalized monotone operators and equilibrium problems”, <http://plone.mat.univie.ac.at/events/2014/self-segment-dense-sets-generalized-monotone-operators-and-equilibrium-problems/view>
14. 3-rd International Conference on Numerical Analysis and Approximation Theory, 17-20 Septembrie, 2014, Cluj-Napoca, România, lucrarea prezentată „An inertial forward-backward algorithm for minimizing the sum of two non-convex functions”
15. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 27 Noiembrie, 2014, Cluj-Napoca, România, lucrarea prezentată „On injectivity of a class of monotone operators with some univalency consequences”, <http://www.cs.ubbcluj.ro/~grupanopt/>
16. International Conference on Applied Analysis and Mathematical Modeling, 8-12 Iunie, 2015, Istanbul, Turcia, lucrarea prezentată „Vector equilibrium problems on dense sets”
17. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 5 November, 2015, Cluj-Napoca, România, lucrarea prezentată „Some minimax results on dense sets and an extension of James' theorem”.
18. 15-th International Conference on Applied Mathematics and Computer Science, 5-7 July 2016, Cluj-Napoca, România, lucrarea prezentată „The minimization problem of a convex function on dense sets”.
19. 13-eme Colloque Franco-Roumain de Mathématiques Appliquées, 25-29 August 2016, Iasi, România, lucrarea prezentată „Minimax Results on Dense Sets”.
20. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 8 December, 2016, Cluj-Napoca, România, lucrarea prezentată „A second order dynamical system and a monotone inclusion problem”, <http://www.cs.ubbcluj.ro/~grupanopt/>
21. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 18 May, 2017, Cluj-Napoca, România, lucrarea prezentată „An inertial forward-backward algorithm for the minimization of the sum of two nonconvex functions”, <http://www.cs.ubbcluj.ro/~grupanopt/>
22. 7-th German-Polish Conference on Optimization, 27 August-1 September 2017, Bedlewo, Poland, lucrarea prezentată „Second order dynamical systems associated to monotone inclusions”.
23. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 14 December, 2017, Cluj-Napoca, România, lucrarea prezentată „Approaching nonsmooth nonconvex minimization through second order proximal-gradient dynamical systems”, <http://www.cs.ubbcluj.ro/~grupanopt/>
24. Seminar of the Research Group on Analysis and Optimization, Universitatea Babeş-Bolyai, 1 March, 2018, Cluj-Napoca, România, lucrarea prezentată „A second order dynamical system with variable damping associated to a nonconvex minimization”, <http://www.cs.ubbcluj.ro/~grupanopt/>
26. Workshop, July 9, 2018, Faculty of Mathematics, University of Vienna, lucrarea prezentată “Convergence rates for an inertial algorithm of gradient type associated to a smooth nonconvex minimization”
27. Fourth International Conference on Numerical Analysis and Approximation Theory, NAAT, September 6-9, 2018, Cluj-Napoca, lucrarea prezentată “Convergence rates for an inertial algorithm of gradient type associated to a smooth nonconvex minimization”
28. Research Group on Analysis and Optimization, Babes-Bolyai University, October 11, 2018, Cluj-Napoca, lucrarea prezentată “Convergence rates for an inertial algorithm of gradient type associated to a smooth nonconvex minimization”
29. Vienna Workshop on Computational Optimization, WOCO2018, December 17-19, 2018, Vienna, lucrarea prezentată “Convergence rates for an inertial algorithm of gradient type associated to a smooth nonconvex minimization”
30. Modern Maximal Monotone Operator Theory: From Nonsmooth Optimization to Differential

Inclusions-Workshop on Nonsmooth and Variational Analysis, January 28-February 1, 2019, Vienna, lucrarea prezentată "A second order dynamical approach with variable coefficients to nonconvex smooth minimization"

31. Modern Maximal Monotone Operator Theory: From Nonsmooth Optimization to Differential Inclusions-Workshop on Numerical Algorithms in Nonsmooth Optimization-February 25- March 1 2019, Vienna, lucrarea prezentată "A gradient type algorithm with backward inertial steps for a nonconvex minimization"

32. Research Group on Analysis and Optimization, Babes-Bolyai University, March 21, 2019, Cluj-Napoca, lucrarea prezentată "On a class of second order dynamical systems with variable coefficients associated to a nonconvex minimization"

33. Games, Dynamics and Optimization 2019 COST Action CA16228 "European Network for Game Theory", April 9-11, 2019, Cluj-Napoca, lucrarea prezentată "A primal-dual dynamical approach to a nonsmooth convex minimization"

34. 16-th International Conference on Applied Mathematics and Computer Science, 2-6 July, 2019, Cluj-Napoca lucrarea prezentată "An abstract convergence theorem for inertial algorithms"

35. Research Group on Analysis and Optimization, Babes-Bolyai University, December 5, 2019, Cluj-Napoca, lucrarea prezentată "Possible convergence rates of order $O(1/n^2)$ for some inertial algorithms obtained via the explicit Euler method applied to a perturbed version of the second order dynamical system that models Nesterov's convex gradient method"

Participări în colective de cercetare

Membru în grupul de cercetare *Analiză și Optimizare*, Universitatea Babeș-Bolyai Cluj-Napoca

Participări la seminariile de cercetare *Operatori neliniari și ecuații diferențiale* Universitatea Babeș-Bolyai Cluj-Napoca

Participări la seminariile de cercetare *ale Departamentului de Matematică*, Universitatea Tehnică din Cluj-Napoca

Granturi de Cercetare

1. Director de proiect *Research Projects for Young Independent Teams – PN-III-P1-1.1-TE-2016-0266* (450.000 RON), Universitatea Tehnică din Cluj-Napoca, 2018-prezent.

Titlu: *Non-smooth convex and non-convex optimization, a dynamical system approach*

2. Membru în *Exploratory Research Project - PN-III-P4-ID-PCE-2016-0190* (850.000 RON), Universitatea Babeș-Bolyai Cluj-Napoca, 2017-2019.

Titlu: *Equilibrium and optimization problems: theoretical and computational approaches*

3. Director de proiect *Postdoctoral Research Project PN-II-RU-PD-2012-3-0166* (299.992 RON), Universitatea Tehnică din Cluj-Napoca, 2013-2015.

Titlu: *Overcoming the failure of classical monotonicity in problems arising in nonlinear, convex- and variational analysis*

4. Membru în *Exploratory Research Project - PN-II-ID-PCE-3-0024/2011* (1.000.000 RON), Universitatea Babeș-Bolyai Cluj-Napoca, 2011-2016

Titlu: *The structure and sensitivity of the solution sets of variational inequalities, optimization and equilibrium problems under generalized monotonicity*

Premii

I. Premiu pentru rezultatele deosebite obținute în perioada studiilor doctorale în cadrul POS DRU 6/1.5/S/3 – ID 5216, 2011 (10.000 RON).

II. Premiarea rezultatelor cercetării-articole-UEFISCDI:

[1] S. László, Some Existence Results of Solutions for General Variational Inequalities. *Journal of Optimization Theory and Applications*, Vol. 150, No. 3, pp. 425-443, 2011 (2000 RON).

[2] S. László, Generalized Monotone Operators, Generalized Convex Functions and Closed Countable Sets, *Journal of Convex Analysis*, Vol. 18, No. 4, pp. 1075-1091, 2011 (2000 RON).

[3] R.I. Boț, S. László, On the generalized parallel sum of two maximal monotone operators of Gossez type (D). *Journal of Mathematical Analysis and Applications*, Vol. 391, No. 1, pp. 82-98, 2012 (2000 RON).

[4] S. László, Multivalued variational inequalities and coincidence point results, *Journal of Mathematical Analysis and Applications*, Vol. 400, No. 1, pp. 105-114, 2013 (4000 RON).

[5] A. Amini-Harandi, S. László, A coincidence point result via variational inequalities, *Fixed Point*

- Theory, 15(1), pp. 87-98, 2014 (4000 RON).
- [6] A. Amini-Harandi, S. László, Solution existence of general variational inequalities and coincidence points, *Carpathian Journal of Mathematics*, 30(1), pp. 15-22, 2014 (2000 RON)
- [7] S. László, On the strong representability of the generalized parallel sum, *Bulletin of Malaysian Mathematical Science Society*, 37(4), pp.1029-1046, 2014 (4000 RON).
- [8] S. László, A. Violel, Densely defined equilibrium problems, *Journal of Optimization Theory and Applications*, 166(1), pp. 52-75, 2015 (4000 RON)
- [9] S. László, Vector equilibrium problems on dense sets, *Journal of Optimization Theory and Applications*, 170(2), pp.437-457, 2016 (1000 RON).
- [10] S. László, Minimax Results on Dense Sets and Dense Families of Functionals, *SIAM Journal on Optimization*, 27(2), 661-685, 2017 (6000 RON).
- [11] S. László, A primal-dual approach of weak vector equilibrium problems, *Open Mathematics*, 16, 276-288, 2018 (2000 RON).
- [12] R.I. Boț, E.R. Csetnek, S. László, Approaching nonsmooth nonconvex minimization through second order proximal-gradient dynamical systems, *Journal of Evolution Equations*, 18, 1291–1318, 2018 (6000 RON).
- [13] R.I. Boț, E.R. Csetnek, S. László, A second order dynamical system and a monotone inclusion problem, *Analysis and Applications* 16(05), 601-622, 2018 (6000 RON).

III. Granturi support pentru publicații- UTCN:

- [1] S. László, Minimax Results on Dense Sets and Dense Families of Functionals, *SIAM Journal on Optimization*, 27(2), 661-685, 2017 (6500 RON).
- [2] S. László, A primal-dual approach of weak vector equilibrium problems, *Open Mathematics*, 16, 276-288, 2018 (4500 RON).
- [3] R.I. Boț, E.R. Csetnek, S. László, Approaching nonsmooth nonconvex minimization through second order proximal-gradient dynamical systems, *Journal of Evolution Equations*, 18, 1291–1318, 2018 (2166 RON).
- [4] R.I. Boț, E.R. Csetnek, S. László, A second order dynamical system and a monotone inclusion problem, *Analysis and Applications* 16(05), 601-622, 2018 (2166 RON).

Activitate Editorială	Referent pentru jumalele "Optimization Letters", „Fixed Point Theory", "Journal of Optimization Theory and Applications", "Carpathian Journal of Mathematics", "Applied Mathematics and Computation", "Set-Valued and Variational Analysis", "Optimization", "SIAM Journal on Optimization", <i>European Journal of Operational Research</i> Referent pentru <i>Zentralblatt Math</i> și <i>Mathematical Reviews</i>
Teme de Cercetare	Analiză nelineară, Analiză convexă, Operatori monotoni, Inegalități variaționale și probleme de echilibru, Teorie Minimax, Teoreme de injectivitate și univalență, Teoreme de coincidență și punct fix, Optimizare convexă și neconvexă, Algoritmi de optimizare- procesarea imaginilor, machine learning și probleme de localizare, Sisteme dinamice continue și discrete
Indice Hirsh	10 Google Scholar, 6 WoS, 6 Scopus
Citări	Peste 300 Google Scholar, peste 100 WoS și Scopus
Adrese Web	https://sites.google.com/site/laszloszilardcsaba/ http://www.researcherid.com/rid/E-9509-2011 http://scholar.google.ro/citations?user=1U4cT-wAAAAJ&hl=ro https://www.researchgate.net/profile/Szilard_Laszlo/publications/