# Curriculum vitae Europass

## Informații personale

| | |
|---|---|
| Nume / Prenume | Sacarea Christian |
| Adres(e) | Str. M. Kogalniceanu nr. 1, 400084 Cluj-Napoca |
| Telefon(oane) | +40264405327       Mobil:   0740146623 |
| Fax(uri) | +40264405300 |
| E-mail(uri) | christian.sacarea@ubbcluj.ro |
| Naționalitate(-tăți) | |
| Data nașterii | 4.02.1970 |
| Sex | M |

## Locul de muncă vizat / Domeniul ocupațional

**Universitatea Babes-Bolyai, Facultatea de Matematică si Informatică Departamentul de Informatică, Conf. univ. dr.**
**Manager de proiect P6 UBB, Cercetator senior**

## Experiența profesională

| | |
|---|---|
| Perioada | Martie 2024 - prezent |
| Funcția sau postul ocupat | Prorector |
| Activități și responsabilități principale | Linia de studii în limba germană, relația cu societatea – componenta socio-economică/fundraising |
| Numele și adresa angajatorului | Universitatea Babes-Bolyai, Cluj-Napoca |
| Tipul activității sau sectorul de activitate | Educatie, cercetare |
| Perioada | Februarie 2016 - prezent |
| Funcția sau postul ocupat | Conf. univ. |
| Activități și responsabilități principale | Cursuri/seminarii/laboratoare, activitati de cercetare |
| Numele și adresa angajatorului | Universitatea Babes-Bolyai, Cluj-Napoca |
| Tipul activității sau sectorul de activitate | Educatie, cercetare |
| Perioada | Octombrie 2001 - prezent |
| Funcția sau postul ocupat | Lector univ. |

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|---|---|
| Activități și responsabilități principale | Cursuri/seminarii/laboratoare, activitati de cercetare |
| Numele și adresa angajatorului | Universitatea Babes-Bolyai, Cluj-Napoca |
| Tipul activității sau sectorul de activitate | Educatie, cercetare |
| | |
| Perioada | 1997 - 2001 |
| Funcția sau postul ocupat | Asistent univ. |
| Activități și responsabilități principale | Seminarii (română, germană), activităti de cercetare |
| Numele și adresa angajatorului | Universitatea Babes-Bolyai, str. M. Kogălniceanu, nr. 1, 400084 Cluj-Napoca, România. |
| Tipul activității sau sectorul de activitate | Educatie si cercetare |
| | |
| Perioada | 1994 - 1997 |
| Funcția sau postul ocupat | Preparator |
| Activități și responsabilități principale | Seminarii (română, germană), activităti de cercetare |
| Numele și adresa angajatorului | Universitatea Babes-Bolyai, str. M. Kogălniceanu, nr. 1, 400084 Cluj-Napoca, România. |
| Tipul activității sau sectorul de activitate | Educatie si cercetare |

## Educație și formare

| | |
|---|---|
| Perioada | 28.06.2013 – 15.07.2013 |
| Calificarea / diploma obținută | Certificat de absolvire Curs Manager de Proiect |
| Disciplinele principale studiate / competențe profesionale dobândite | Managementul proiectelor |
| Numele și tipul instituției de învățământ / furnizorului de formare | SC Kaizen Training & Consulting SRL |
| Nivelul în clasificarea națională sau internațională | COR 242101 |
| | |
| Perioada | August 1995 – Iunie 2000 |
| Calificarea / diploma obținută | Dr. rer. nat. |
| Disciplinele principale studiate / competențe profesionale dobândite | Analiza Conceptuala Formala; titlul tezei de doctorat: *Towards a Theory of Contextual Topology* |
| Numele și tipul instituției de învățământ / furnizorului de formare | Darmstadt University of Technology, Germania |

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|---|---|
| Nivelul în clasificarea națională sau internațională | Studii doctorale |
| Perioada | 1989 - 1994 |
| Calificarea / diploma obținută | Licentiat în Matematică |
| Disciplinele principale studiate / competențe profesionale dobândite | Matematică |
| Numele și tipul instituției de învățământ / furnizorului de formare | Universitatea Babes-Bolyai, Facultatea de Matematică și Informatică |
| Nivelul în clasificarea națională sau internațională | Studii universitare |

## Aptitudini și competențe personale

**Limba(i) maternă(e)**: Germana, Romana

**Limba(i) străină(e) cunoscută(e)**
**Autoevaluare**
*Nivel european (\*)*

| | Înțelegere | | | Vorbire | | | | Scriere | |
|---|---|---|---|---|---|---|---|---|---|
| | Ascultare | | Citire | | Participare la conversație | | Discurs oral | | Exprimare scris |
| **Engleza** | C2 | Excelent | C2 | Excelent | C2 | Excelent | C2 | Excelent | C2 | Excelent |
| **Franceza** | A2 | Utilizator elementar | B1 | Utilizator independent | A2 | Utilizator elementar | A2 | Utilizator elementar | A2 | Utilizator elementar |

*(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine*

**Competențe și abilități sociale**: Bună adaptabilitate în context multicultural, abilități de comunicare foarte bune.

**Competențe și aptitudini organizatorice**: Bun organizator, spirit de echipă

**Competențe și aptitudini de utilizare a calculatorului**: Office, TEX

**Permis(e) de conducere**: Da

Data:

2.1.2024

Semnătura:

Conf. Dr. Christian Sacarea

**Publicații Săcărea Christian**

A.      Lista lucrărilor relevante pentru realizările profesionale proprii:
1.      Paul Valentin Borza, Ovidiu Sabou, Christian Sacarea, OpenFCA, an open source Formal Concept Analysis toolbox, Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Tome III, ISBN: 978-1-4244-6722-8, pp. 208-212.
2.      Christian Sacarea, Contextual Uniformities, 11th International Conference, Proceedings, LNAI 7880, Springer Verlag, Heidelberg, 2013, pp. 244-253.
3.      Christian Sacarea, Investigating oncological databases using conceptual landscapes, Graph-Based Representation and Reasoning, Proceedings of the International Conference on Conceptual Structures, LNAI 8577, Springer, 2014, pp. 299-304.
4.      Sanda Dragos, Diana Halita, Christian Sacarea, Diana Troanca, Applying Triadic FCA in Studying Web Usage Behaviors, LNCS 8793, Proceedings of the International Conference on Knowledge Science, Engineering and Management, Springer, 2014, pp. 73-80.
5.      Sebastian Rudolph, Christian Sacarea, Diana Troanca, Towards a Navigation Paradigm for Triadic Concepts, 13th International Conference on Formal Concept Analysis, ICFCA 2015, LNAI9113, Springer, pp. 232-247.
6.      Sebastian Rudolph, Christian Sacarea, Diana Troanca, Membership Constraints in Formal Concept Analysis, Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence Buenos Aires, Argentina, 25–31 July 2015, ISBN 978-1-57735-738-4, pp. 3186-3192.
7.      Sebastian Rudolph, Christian Sacarea, Diana Troanca, Reduction in Triadic Data Sets, International Workshop "What can FCA do for Artificial Intelligence?" coloocated with the International Joint Conference on Artificial Intelligence IJCAI 2015 July 25, 2015 Buenos Aires, Argentina pp.55-62.
8.      Sanda Dragos, Diana Halita, Christian Sacarea, Attractors in Web Based Educational Systems. A Conceptual Knowledge Processing Grounded Approach, Proceedings of the 8th International Conference on Knowledge Science, Engineering and Management (KSEM 2015), Springer Verlag, 2015, pp. 190-195.
9.      Sanda Dragos, Diana Halita, Christian Sacarea, Behavioral Pattern Mining in Web Based Educational Systems, Proceedings of the 23rd International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2015), IEEE, 2015.
10.     Dan Andrei Sitar Taut, Christian Sacarea, Adela Viviana Sitar Taut, Knowledge Visualization for Supporting Communication in Cardiovascular Risk Assessment Hypothesis, Proceedings of the 23rd International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2015), IEEE, 2015.
B.      Teza de doctorat:
Sacarea Christian, Towards a Theory of Contextual Topology, Shaker Verlag, Aachen, 2000, P.144

C.      Cărți
1.      Crivei Septimiu, Marcus Andrei Dorin, Sacarea Christian, Szanto Csaba Lehel, Computational algebra with applications to coding theory and cryptography, Editura Fundatiei pentru Studii Europene , Cluj-Napoca , 2006, P. 198
2.      Sacarea Christian, Algebra Liniara si Aplicatii, EDITURA EFES, CLUJ-NAPOCA, 2007, P. 173

3.       Epaminondas Kapetanios, Christian Sacarea, Doina Tatar, Natural Language Processing, Semantic Aspects, CRC Press, Taylor&Francis, 2013

D.       Articole publicate în reviste

1.       Christian Sacarea, Alexandru Tamasan, On some nonlinear Volterra integral equations, Fixed Point Theory, 45-49, 1992.

2.       Christian Sacarea,O metoda de numarare a structurilor algebrice pe multimi finite.,Lucrarile Seminarului de Didactica Matematicii,Vol. 9, pp. 185-190,1993.

3.       Gerd Hartung, Morike Kamara, Christian Sacarea, A topological representation for polarity lattices, Acta Math. Univ. Comenianae, Vol. LXVIII, 1(1999), pp. 49-70, 1999.

4.       Christian Sacarea, A note on standard topological contexts with pseudometric, Studia Univ. Babes-Bolyai (Ser. Mathematica), Vol. XLVI, Nr. 3, pp. 89-110, 2001.

5.       Christian Sacarea, Von Information zum Wissen. Ein Beitrag zur Approximierung in begriffiche Wissenssysteme, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, Interdisciplinary Research,Vol. 1, 2002.

6.       Christian Sacarea, Concept lattices and grammar. A discussion on Brancusi sculptures, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, Interdisciplinary Research, Vol. 2,2004.

7.       Brigitte Breckner, Christian Sacarea, From the Iwasawa decomposition to a Tits system, Annals of the Tiberiu Popoviciu Seminar of Functional Equations, Approximation and Convexity, Interdisciplinary Research,Vol. 3,2005.

8.       Christian Sacarea, Csaba Szanto, Istvan Suteu Sollosi, Combining the Solitaire Encryption Algorithm with Lagged Fibonacci Pseudorandom Number Generators, Mathematica, Tome 51(74), No. 2, pp. 163-171,2009.

9.       Christian Sacarea, Viorica Varga, Conceptual Knowledge Processing for Databases. An Overview, Studia Univ. Babes-Bolyai, Ser. Informatica,LIV, vol. 2, pp. 59-70, 2009.

10.      Zsuzsanna Marian, Christian Sacarea, Discovering Patterns in Music. An FCA grounded approach, Studia Univ. Babes-Bolyai, Ser. Informatica,LV, vol. 1, pp. 69-82, 2010.

11.      F. Muntenescu, C. Sacarea, V. Varga, Conceptual Graph Driven Design for Conceptual Digital Dossiers, Studia Univ. Babes-Bolyai, Ser. Informatica,LV, vol. 1, pp. 83-94,2010.

12.      A. Brad, L. Neamtiu, S. Rausanu, C. Sacarea, Conceptual knowledge processing grounded logical information system for oncological databases, Studia Univ. Babes-Bolyai, Ser. Informatica,nr. 2, vol. LVI, pp.51-54, 2011

13.      Alin Suciu, Christian Sacarea, Marton Kinga, Cret Octavian, Generation and Testing of Random Numbers for Cryptographic Applications, Proceedings of the Romanian Academy, series A: Mathematics, Physics, Technical Sciences, Information Science  ,No.4, pp. 368-377,2012

14.      Sanda Dragoş, Christian Săcărea, Analysing the Usage of Pulse Portal with Formal Concept Analysis, Studia Univ. Babes-Bolyai, Ser. Informatica,LVII, nr. 3, pp. 65-75, 2012.

15.      Christian Sacarea, Viorica Varga, Triadic Approach to Conceptual Design of XML Data, Studia Univ. Babes-Bolyai, Ser. Informatica,LIX, special issue 2, pp. 80-96,2014

16.      Christian Sacarea, Viorica Varga, An FCA Driven Analysis of Mapping Conceptual Designs to XML Schemas, Studia Univ. Babes-Bolyai, Ser. Informatica,LIX, vol. 1, pp. 46-57,2014

17.      S. Dragos, D. Halita, Ch. Sacarea, D. Troanca, An FCA grounded study of user dynamics through log exploration, Studia Univ. Babes-Bolyai, Ser. Informatica,LIX, vol. 2, pp. 82-97,2014

18.     B. Breckner, Christian Sacarea, Some categorical aspects in Formal Concept Analysis, Mathematica (Cluj), vol. 59(82), No. 1-2, 2017, pp. 15-31.
19.     B. Breckner, Christian Sacarea, A topological representation of double Boolean Lattices, Studia Univ. Babes-Bolyai, Ser. Mathematica, Vol. 64, nr. 1, 2019, pp. 11-23
20.     B. Bartok, A. Telcian, Christian Sacarea, C. Horvath, A. Croitoru, V. Stoian, Regional Climate Models Validation for Agroclimatology in Romania, Atmosphere, 2021, 12, 978.
21.     D. Tolciu, Christian Sacarea, C. Matei, Analysis of Patterns and Similarities in Service Tickets using Natural Language Processing, J. of Comm. Software and Systems, vol. 17, no. 1, 2021
22.     B. Breckner, Christian Sacarea, R. Zavaczki, Improving User's Experience in Exploring Knowledge Structures: A Gamifying Approach,  Mathematics 2022, 10, 709.
23.     R. Gillich, C. Tufisi, C. Rusu, N. Gillich, M. Pop, O. Hamat, Christian Sacarea, Determining the Severity of Open and Closed Cracks Using the Strain Energy Loss and the Hill-Climbing Method, Applied Sciences-Basel, Vol. 12, Nr. 14, 2022
24.     R. Gillich, N. Gillich, C. Tufisi, Christian Sacarea, C. Rusu, Z. Praisach, M. Ardeljan, Beam Damage Assessment Using Natural Frequency Shift and Machine Learning, Sensors, vol. 22, Nr. 3, 2022.


E.      Articole publicate în volume ale unor conferințe de specialitate
1.      Brigitte Breckner, Christian Sacarea, Tits system in parabolic subgroups of semisimple Lie groups, Algebra Symposium, Proceedings of the Algebra Symposium, pp. 31-40,2005.
2.      Sacarea Christian, Meza Radu-Mihai, Cimpoi Mircea, Improving Conceptual Search Results Reorganisation Using Term-Concept Mapping Retrieved from Wikipedia, AQTR, IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) Conference Proceedings, pp. 234-238,2008
3.      3.V. Varga, Ch. Săcărea, A. Takacs, A Software Tool for Interactive Database Access Using Conceptual Graphs,KEPT,International Conference KEPT 2009, Knowledge Engineering Principles and Techniques, Cluj-Napoca, July 2-4, 2009.
4.      Christian Sacarea, Conceptual Digital Dossier. Towards a new paradigm for digital content management, Trajectories in Researching New Media Systems, E-business Management and E-publishing International Conference, Proceedings of the Trajectories in Researching New Media Systems, E-business Management and E-publishing International Conference, Ed. Universitas Napocensis Babes Bolyai, ISBN 978-973-647-685-3, Babes-Bolyai University Publishing House, 2009
5.      Viorica Varga, Christian Sacarea, Andrea Takacs, Conceptual Graphs Based Representation and Querying of Databases, AQTR,Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Tome III, ISBN: 978-1-4244-6722-8, pp. 159-164,2010.
6.      Viorica Varga, Katalin Tunde Janosi-Rancz, Christian Sacarea, K. Csioban, XML Design: an FCA Point of View, AQTR, Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Tome III, ISBN: 978-1-4244-6722-8 pp. 165-170, 2010.
7.      Christian Sacarea, Zsuzsanna Marian, Using Contextual Topology to Discover Similarities in Modern Music, AQTR, Proceedings of 2010 IEEE International Conference on

Automation, Quality and Testing, Robotics, Tome III, ISBN: 978-1-4244-6722-8, pp. 213-218, 2010.

8.      Paul Valentin Borza, Ovidiu Sabou, Christian Sacarea, OpenFCA, an open source Formal Concept Analysis toolbox, AQTR, Proceedings of 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Tome III, ISBN: 978-1-4244-6722-8, pp. 208-212, 2010.

9.      Doina Tatar, Epaminondas Kapetanios, Christian Sacarea, Diana Tanase, Text Segments as Constrained Formal Concepts, SYNASC, Proceedings of SYNASC 2010, IEEE 2011, pp. 223-228,2011

10.      Christian Sacarea, Silviu Boldeanu, Luciana Neamtiu, Cezara Pastrav, Investigating Adverse Drug Reactions Using Conceptual Landscapes, ICCP, Proceedings of 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, 41-48,2011

11.      Christian Sacarea, Marius Georgescu, Corneliu Ailincai, Florina Muntenescu, Cezara Pastrav, A Contextual Logic Grounded Approach to Visual Arts, ICCP, Proceedings of 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, 49-56,2011

12.      Zsuzsanna Marian, Christian Sacarea, Using Conceptual Graphs to Represent Modern Music, ICCP, Proceedings of 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, 137-140, 2011.

13.      Christian Sacarea, Contextual Uniformities, ICFCA, 11th International Conference, Proceedings, LNAI 7880, Springer Verlag, Heidelberg, pp. 244-253,2013

14.      Alina Andreica, Josef Küng, Gabriela Şerban Czibulla and Christian Sacarea, Designing a General Architecture for Data Interchange, WEBIST, 10th International Conference on Web Information Systems and Technologies, SCITEPRESS – Science and Technology Publications, 978-989-758-023-9, pp. 214-219, 2014.

15.      Christian Sacarea, Investigating oncological databases using conceptual landscapes, ICCS,Graph-Based Representation and Reasoning, Proceedings of the International Conference on Conceptual Structures,  LNAI 8577, Springer, pp. 299-304,2014

16.      Sanda Dragos, Diana Halita, Christian Sacarea, Diana Troanca, Applying Triadic FCA in Studying Web Usage Behaviors, KSEM, LNCS 8793, Proceedings of the International Conference on Knowledge Science, Engineering and Management, Springer, pp. 73-80,2014


17.      S. Rudolph, C. Sacarea, D. Troanca, Towards a Navigation Paradigm for Triadic Concepts, ICFCA, 13th International Conference on Formal Concept Analysis, ICFCA 2015, LNAI9113, Springer, pp. 232-247,2015

18.      S. Rudolph, C. Sacarea, D. Troanca, Membership Constraints in Formal Concept Analysis, IJCAI, Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence Buenos Aires, Argentina, 25–31 July 2015, ISBN 978-1-57735-738-4, pp. 3186-3192, 2015.

19.      S. Rudolph, C. Sacarea, D. Troanca, Reduction in Triadic Data Sets, FCA4AI, International Workshop "What can FCA do for Artificial Intelligence?" collocated with the International Joint Conference on Artificial Intelligence IJCAI 2015 July 25, 2015 Buenos Aires, Argentina pp.55-62, 2015.

20.      S. Dragos, D. Halita, C. Sacarea, Attractors in Web Based Educational Systems. A Conceptual Knowledge Processing Grounded Approach, KSEM, Proceedings of the 8th

International Conference on Knowledge Science, Engineering and Management (KSEM 2015), Springer Verlag, 2015, pp. 190-195,2015

21.    Sanda Dragos, Diana Halita, Christian Sacarea, Behavioral Pattern Mining in Web Based Educational Systems, SOFTCOM, Proceedings of the 23rd International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2015), IEEE, 2015,2015

22.    Dan Andrei Sitar Taut, Christian Sacarea, Adela Viviana Sitar Taut, Knowledge Visualization for Supporting Communication in Cardiovascular Risk Assessment Hypothesis, SOFTCOM, Proceedings of the 23rd International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2015), IEEE, 2015.

23.    Sanda Dragos, Diana Halita, Christian Sacarea, Distilling Conceptual Structures from Weblog Data Using Polyadic FCA, ICCS,Graph-Based Representation and Reasoning, Proceedings of the International Conference on Conceptual Structures 2016,  LNCS vol. 9717, pp. 151—159.

24.    S. Rudolph, C. Sacarea, D. Troanca, Conceptual Navigation for Polyadic Formal Concept Analysis, Proceedings of the 4th International Workshop on Artificial Intelligence for Knowledge Management collocated with IJCAI 2016 (AI4KM2016), pp. 35—41.

25.    Diana Halițǎ, Christian Sǎcǎrea, Is FCA suitable to improve Electronic Health Record Systems?, The 24th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2016), Split, Croatia pp.248-252.

26.    Sanda Dragoş, Diana Halițǎ, Christian Sǎcǎrea, Analysing the Effect of Changing the Educational Methods by Using FCA, The 24th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2016), Split, Croatia, pp. 243-247.

27.    Levente Lorand Kis, Christian Sǎcǎrea, Diana Troancǎ, FCA Tools Bundle – a Tool that Enables Dyadic and Triadic Conceptual Navigation, 5th International Workshop FCA4AI 2016 collocated with the European Conference on Artificial Intelligence, ECAI 2016, pp. 43—51, The Hague, Netherlands

28.    Sanda Dragoş, Diana Halițǎ, Christian Sǎcǎrea, An investigation of user behavior in educational platforms using Temporal Concept Analysis, 14th International Conference on Formal Concept Analysis, ICFCA 2017, LNAI 10308, Springer, pp. 122-137.

29.    Beniamin Movileanu, Christian Sǎcǎrea, Diana Șotropa, FACT – A tool for Temporal Formal Concept Analysis, 14th International Conference, ICFCA 2017, Rennes, France, June 13-16, 2017, Supplementary Proceedings, pp. 95-98.

30.    Lorand Levente Kis, Christian Sǎcǎrea, Diana Troancǎ, Navigation and Exploration Tool for Polyadic FCA, 14th International Conference, ICFCA 2017, Rennes, France, June 13-16, 2017, Supplementary Proceedings, pp. 83-86.

31.    Christian Sǎcǎrea, Diana Șotropa, Diana Troancǎ, Symptoms investigation by means of Formal Concept Analysis for enhancing medical diagnoses, The 25th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2017), Split, Croatia.

32.    Andrea Molnar, Viorica Varga, Christian Sǎcǎrea, Conceptual Graphs Based Modeling and Querying of XML Data, The 25th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2017), Split, Croatia.

33.    Sanda Dragoş, Christian Sacarea, Diana Șotropa, Investigating Educational Attractors and Life Tracks in e-Learning Environments Using Formal Concept Analysis, The 25th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2017), Split, Croatia.

34. Diana Troanca, Christian Săcărea, Sanda Dragos, Using Pattern Structures for Mining Student Behaviour in E-learning Platforms on specific Triggers, The 25th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2017), Split, Croatia.

35. Andrea Eva Molnar, Viorica Varga, Christian Săcărea, Dan Cîmpan, Bogdan Mocian, Conceptual Graph driven modeling and querying methods for RDMBS and XML databases, 13th International Conference on Intelligent Computer Communication and Processing (ICCP 2017), September 7 – 9, 2017 in Cluj-Napoca, Romania.

36. D. Cristea, Christian Sacarea, D. Sotropa, Using Analogical Complexes to Improve Human Reasoning and Decision Making in Electronic Health Record Systems, Proceedings of the International Conference on Conceptual Structures, ICCS 2018, Edinburgh, Springer, pp. 9-23.

37. V. Varga, Christian Sacarea, A. Molnar, Conceptual Graphs Modeling of Semi-Structured Data, Proceedings of the International Conference on Conceptual Structures, ICCS 2018, Edinburgh, Springer, pp. 167-175.

38. L. Kis, Christian Sacarea, D. Sotropa, Visualizing Conceptual Structures Using FCA Tools Bundle, Proceedings of the International Conference on Conceptual Structures, ICCS 2018, Edinburgh, Springer, pp. 193-196.

39. D. Cristea, S. Rudolph, Christian Sacarea, Conceptual Navigation for Polyadic Formal Concept Analysis, Artificial Intelligence for Knowledge Management, AI4KM IFIP AICT 518, Springer, 2018, pp. 50-70.

40. D. Cristea, Christian Sacarea, D. Sotropa, Formal Concept Analysis Grounded Knowledge Discovery in Electronic Health Record Systems, SYNASC, 2018, pp. 234-240.

41. F. Berbecariu, Christian Sacarea, D. Sotropa, Using Recommender Systems to Support Navigation in Concept Lattices, SYNASC, 2018, pp. 450-460.

42. Christian Sacarea, Cristian Matei, Tudor Tolciu, A Study in the Automation of Service Ticket Recognition using Natural Language Processing, SOFTCOM 2019 IEEE Conference, pp. 1-6.

43. Viorica Varga, Andor Camelia, Christian Sacarea, Conceptual Graphs Modeling of MongoDB Data Structure and Query, ICCS Conference 2019, Springer Verlag, 262-270.

44. Christian Sacarea, Diana Sotropa, Raul Zavaczki, Using VR to Explore Life Tracks, ICFCA 2019, CEUR Workshop Proceedings 2378, 82-87.

45. Andor Camelia, Viorica Varga, Christian Sacarea, A Graph Based Knowledge and Reasoning Representation Approach for Modeling MongoDB Data Structure and Query, SOFTCOM 2019 IEEE Conference.

46. Diana Cristea, Christian Sacarea, Diana Sotropa, FCA Tools Bundle, ICFCA 2019, CEUR Workshop Proceedings 2378, 82-89.

47. Christian Sacarea, Raul Zavaczki, Improving User's Experience in Navigating Concept Lattices: An Approach Based on Virtual Reality, FCA4AI@ECAI 2020, pp. 19-30.

48. Diana Cristea, Christian Sacarea, Diana Sotropa, Knowledge Discovery and Visualization in Healthcare Datasets using Formal Concept Analysis and Graph Databases, KDH@ECAI 2020, pp. 35-42.

49. C. Andor, A. Telcian, Christian Sacarea, Conceptual Graphs for NoSQL Performance Benchmarking, SOFTCOM 2020, 26th WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES

50.     C. Andor, V. Varga, Christian Sacarea, Modeling Cassandra Data Structure and Queries Using a Graph Based Knowledge Representation, SOFTCOM 2020, 26th WORKSHOP ON INFORMATION AND COMMUNICATION TECHNOLOGIES

F.     Editor de volume publicate în edituri internaționale
1.     C. Glodeanu, M. Kaytoue, C. Sacarea, Proceedings of the 12th International Conference on Formal Concept Analysis, LNAI8478, Springer, 2014, p. 297+ix
2.     J. Baixeries, C. Sacarea, M. Ojeda-Aciego, Proceedings of the 13th International Conference on Formal Concept Analysis, LNAI9113, Springer, 2015, p. 319+xii.
3.     J. Baixeries, C. Sacarea, M. Ojeda-Aciego, Proceedings of the International Workshop on Formal Concept Analysis and Applications FCA&A, Universidad de Malaga (Dept. Matematica Aplicada), Spain, ISBN 978-84-606-7410-8, 2015, p. 112+xii.

G.     Editor de volume publicate în edituri naționale
S. Breaz, C. Sacarea, eds, Proceedings of the Algebra Symposium, Spring 2005, ed. EFES, 2006.