

LISTA DE LUCRĂRI

Prof. Univ. Dr. Dana SIMIAN

1⁰ Teza de doctorat

T1. *Contribuții la interpolarea funcțiilor de mai multe variabile*, (160 pag.) susținută la Universitatea „Babeș - Bolyai” Cluj - Napoca, în 21.12.2001, conducător științific prof. univ. dr. Alexandru Lupaș.

2⁰ Cărți publicate (Ca – monografii, Cb – alte cărți de specialitate, Cc – cursuri), îndrumare publicate (I1, I2, etc), capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc. (D1, D2 etc.)

- Cb1.** Dana Simian, *Proiectarea algoritmilor: principii si tehnici*, Editura Universitatii "Lucian Blaga" din Sibiu, ISBN 978-606-12-1195-1-606-12-1360-3, 262pg., 2016.
- Cb2.** Dana Simian, Maria-Claudia Bercea-Engels, *Tendințe noi în metodică predării informaticii la nivel liceal: metoda diagonalei*, Editura Universitatii "Lucian Blaga" din Sibiu, ISBN 978-606-12-1195-1, 215pg., 2015.
- Cb3.** Dana Simian, Cristina Cismas, Corina Simian, *Introducere în geometria computațională*, Editura Universitatii "Lucian Blaga" din Sibiu, ISBN 978-606-12-0889-0, 212 pg., 2014.
- Cb4.** Dana Simian, Corina Simian, *Moduri de abordare a problemei de interpolare polinomială a funcțiilor de mai multe variabile*, Ed. Univ. Lucian Blaga din Sibiu, ISBN 978-973-739-483-4, 205 pg., 2007.
- Cb5.** Dana Simian, *Metode de interpolare a funcțiilor de mai multe variabile*, Ed. Universității București, ISBN 973-575-896-2, 189 pg., 2004.
- Cb6.** Dana Simian, Adrian Branga, *Transformata Radon și aplicații*, Ed. Universității Transilvania Brașov, ISBN 973-635-338-9, 115 pg., 2004.
- Cc1.** Dana Simian, *Machine Learning. An introductory Course*, online course
- Cc2.** Dana Simian, *Metodologia cercetării*, curs online
- Cc3.** Dana Simian, *Algoritmi fundamentali și tehnici de programare*, Ed. Universității Sibiu, ISBN 973-651-772-1, 234 pg., 2004.
- Cc4.** Dana Simian, *Birotică*, Ed. Alma Mater Sibiu, ISBN 973-8371-82-1, 182 pg., 2002.
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- Cc6.** Dana Simian, *Birotica*, Ed. Mira, Sibiu, ISBN 973-8232-04-X, 139 pg., 2001.
- Ci1.** Dana Simian, *ACCESS. îndrumar teoretic și practic*, Ed. Universității Sibiu, ISBN 973-651-836-1, 52pg., 2004.
- Ci2.** Dana Simian, *Birotică. Lucrări de laborator și teste de autoevaluare*, Ed. Alma Mater Sibiu, ISBN 973-8371-86-4, 135 pg., 2002.

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D1 Th. Borangiu, D. Cârstoiu, A. Condruț, M. Danubianu, C. Darie, A. Mitea, S. Moraru, A. Olteanu, L. Perniu, C. Pupăză, Dana Simian - *DB2 UDB, Fundamente și administrare*, Ed. Agir, ISBN 973-720-088-8, 978-973-720-088-4, Capitolul 8, *Programare SQL cu proceduri stocate și funcții*, pp. 206-253, 2006.

D2 Th. Borangiu, D. Cârstoiu, A. Condruț, M. Danubianu, C. Darie, A. Mitea, S. Moraru, A. Olteanu, L. Perniu, C. Pupăză, Dana Simian - *DB2 UDB Exerciții*, Ed. Agir, ISBN



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- D3 Dana Simian, Laura Stoica** (editori) – Proceedings of International Conference of Applied Informatics, ICDD 2018, Editura Univ. Lucian Blaga Sibiu, 2018, ISSN 2069-964X, 255 pag.
- D4 Dana Simian, Laura Stoica** (editori) – Proceedings of International Conference of Applied Informatics, ICDD 2017, Editura Univ. Lucian Blaga Sibiu, 2018, ISSN 2069-964X, 168 pag.
- D5 Dana Simian** (editor) – *Modelling and development of Intelligent Systems*. (Proceedings of the Fifth International Conference “Modelling and Development of Intelligent Systems”, Sibiu, Romania, 2017), Editura Univ. Lucian Blaga Sibiu, 2018, ISSN: 2067-3965, 91 pag.
- D6 Dana Simian** (editor) – *Modelling and development of Intelligent Systems*. (Proceedings of the Fourth International Conference “Modelling and Development of Intelligent Systems”, Sibiu, Romania, 2015), Editura Univ. Lucian Blaga Sibiu, 2016, ISSN: 2067-3965, 150 pag.
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- D11 Dana Simian, Florin Sofonea**, (editors) - *New approaches, Algorithms and Advanced Computational Techniques in Approximation Theory and its Applications*, Ed. Univ. Lucian Blaga, Sibiu, 2007, ISBN 978-973-739-949-2, 155 pg., 2007.
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- D13 Dana Simian** (editor) – Proceedings of the 5th International Students Conference on Informatics, ICDD 2016, Editura Univ. Lucian Blaga Sibiu, 2018, ISSN 2069-964X.
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9. **Dana Simian** (editor)- *Imagination, Creativity, Design, Development*, Proceedings of the International Conference on Applied Informatics, ICDD 2017, Sibiu, 25-27 Mai, ISSN-L: 2069-964X, 168 pag.

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ISI Thomson – Science Citation Index Expanded (Web of Science)

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Ris4 Dana Simian, Florentin Bota, *Adaptive Multi-agent System Based on Wasp-Like Behaviour for the Virtual Learning Game Sotirios*, Large-Scale Scientific Computing, Editors Ivan Lirkov, Svetozar Margenov, Lecture Notes in Computer Science book series (LNCS, volume 10665), Springer, pp. 416-424, ISBN 978-3-319-73440-8 ISBN 978-3-319-73441-5 (eBook), 2017, <https://doi.org/10.1007/978-3-319-73441-5>

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Pn 1 Grant CNCSIS 33-2007, *Cercetări privind interpolarea polinomială multidimensională, clasificatorii polinomiali și aplicații*, perioada de derulare 2007 – 2008, **director de proiect Dana Simian**

Pn 2 Grant individual de cercetare exploratorie obținut prin competiție, finanțat de ULBS: LBUS-IRG-2015-01, *Noi metaeuristici hibride inspirate din natură și aplicații*, perioada de derulare 2015– 2019

Pi 1 Research project founded by the „LARS” grant program, lars - 03.08/int. 301723, of the state Baden Wurttemberg, Germania., cu tema *Motivation durch Praxislosungen – Untersuchung von innovativen didactischen Losungen im Rahmen der im Bologna – Prozess angestrebten Strategie „Shift from Teaching to Learning”*, grant castigat prin competiție, perioada de derulare 2008 – 2009(etapa 1), 2009-2010(etapa 2), director de proiect, prof. dr. Dan Eugen Ulmet, University of Applied Sciences, Esslingen, Germania, **responsabil echipă parteneră din Universitatea Lucian Blaga Sibiu - Dana Simian.**

F 1 Proiect național “*IBM Country Project Initiative DB2 Management . Promoting DB2 Information Management Software in Romanian Technical Universities ” și “DB2 Content Management in Applied Informatics Master Courses”* - Elaborare documentație a două capitole în două volume despre DB2: DB2 Fundamente (curs) și DB2 Exerciții. Perioada de derulare anul 2006.

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Prof. Univ. dr. Dana Simian