



Curriculum vitae

Informații personale

First name /Last name	DANIELA JOIȚA
Scientific title	Assoc. Prof.
Institution	Titu Maiorescu University
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Education	<ul style="list-style-type: none">• 1996-2002 State University of New York at Buffalo, Buffalo, USA –PhD in Applied Mathematics• 2002- Center for Computational Research, State University of New York at Buffalo - Advanced Graduate Certificate in Computational Science• 1988-1993 University of Bucharest, Faculty of Mathematics and Informatics, B.A. in Informatics
Professional Experience	<ul style="list-style-type: none">• 2009 – present Associate Professor - Titu Maiorescu University, Faculty of Informatics, since 2012 – director – Informatics Department• 2006 - 2009 Assitant Professor - Titu Maiorescu University, Faculty of Informatics• 2002 - 2004 Invited Lecturer - Lehigh University, Computer Science and Engineering Department, USA• 2001- 2002 Invited Lecturer - The University of Western Ontario, Department of Computer Science, Canada• 2000 – Research Assistant - Center for Computational Research, State University of New York at Buffalo, SUA• 1996 – 1999, 2001 – Graduate Assistant - State University of New York at Buffalo, Department of Mathematics, SUA
Teaching	<ul style="list-style-type: none">• Titu Maiorescu University, Faculty of Informatics - taught courses: Procedural Programming, Algorithms and Data Structures, Data Mining Techniques, Data Mining Techniques for Information Security (Master course)• Lehigh University – taught course: <i>Programming and Data Structures</i>• The University of Western Ontario – taught course: <i>Computer Science Fundamentals</i>• State University of New York at Buffalo – taught courses: <i>Calculus</i> and <i>Introduction to Differential Equations</i>, recitations for courses: <i>Calculus I, II, III, Introduction to Differential Equations</i>
Reseach Interests	<ul style="list-style-type: none">• data mining, numerical methods, graph theory, programming
Published papers (selection)	<p><u>Cărți:</u></p> <ul style="list-style-type: none">• Daniela Joița - <i>Programare procedurală</i>, Editura Universității „Titu Maiorescu”, 2008• Daniela Joița – <i>Algoritmi și structuri de date</i>, Editura Renaissance, 2010• Daniela Joița – <i>Tehnici de data mining</i>, Editura Renaissance, 2010 <p><u>Publicații în jurnale:</u></p> <ul style="list-style-type: none">• D. Joița, C. Nastasescu, L. Nastasescu - <i>Recollement of Grothendieck categories. Applications to schemes</i>, Bull. Math. Soc. Sci. Math. Roumanie, vol. 56(104) nr. 1, 2013, p.109-116, ISI Journal• Horhoianu I. A., Horhoianu V., Joița D., Carstoiu M., Dorobat B. - <i>Uterine artery embolization for leiomyomas, ultrasonography and angiography aspects</i>, J Med Life. 2012 5(4) p. 491-5.• D. Joița, L. Năstăsescu - <i>On An Extended Hadamard Maximum Determinant Problem</i>, Mathematical Inequalities & Applications, vol.14, nr. 4(2011), 927–934, ISI Journal• D. Joița, L. Năstăsescu - <i>On presheaves satisfying property (F2) and separation axiom</i>, Bull. Math. Soc. Sci. Math. Roumanie, Vol.54(102), no.2(2011), p.137-145, ISI Journal• C. Joița, D. Joița- <i>Minors in Weighted Graphs</i>, Bulletin of the Australian Mathematical Society, nr. 77 (2008), 455-464, ISSN 0004-9727, ISI Journal• Daniela Joița, <i>Generating Association Rules In Databases Using Discretization Based On Clustering</i>, Megabyte 11 (2011)

- **Daniela Joița** – *Unsupervised Static Discretization Methods in Data Mining*, Megabyte 9 (2010)
- **Daniela Joița**- *Piecewise linear mappings with non-convex range*, Buletin Științific, Universitatea din Pitești, Seria matematică și informatică, nr. 12 (2006), p. 93-100, ISSN 1453-116x
- **Daniela Joița**- *Groups of Real Numbers with only one Increasing Automorphism*, Buletin Științific al Universității din Pitești, Seria matematică și informatică, nr. 11 (2005), p. 101-105, ISSN 1453-116x
- **Daniela Joița** – *Câteva observații privind grupuri topologice ordonate*, Analele Universității "Titu Maiorescu", Seria Știința și tehnologia informației, (2005), p.203-209, ISSN 1842-0494
- **Daniela Joița** – *Tehnici multigrad aplicate ecuației Laplace cu condiții la frontieră Young pe un domeniu cu colțuri*, Analele Universității "Titu Maiorescu", Seria Știința și tehnologia informației, nr.1(2005), p.187-197, ISSN 1842-0494

Publicații în Proceedings:

- **Daniela Joița** - *Tanagra - A Useful Tool for Statistics in Medical Applications*, International Conference Education and Creativity for a Knowledge Society, Titu Maiorescu University, 6th Edition, Bucharest, 2012
- **Daniela Joița** – *Implementation of an Algorithm for Minor Transformation in Weighted Graphs*, International Conference Education and Creativity for a Knowledge Society, Titu Maiorescu University, 5th Edition, Bucharest, 2011
- **Daniela Joița**, *Generating Association Rules In Databases Using Discretization Based On Clustering*, International Conference Education and Creativity for a Knowledge Society, Titu Maiorescu University, 4th Edition, Bucharest, 2010
- **Daniela Joița** – *Discretization Based on Clustering Methods*, International Conference Education and Creativity for a Knowledge Society, Titu Maiorescu University, 3rd Edition, Bucharest Nov 2009
- **Daniela Joița** – *Unsupervised Static Discretization Methods in Data Mining*, International Conference Education and Creativity for a Knowledge Society, Titu Maiorescu University, 2nd Edition, Bucharest Nov 2008
- **Daniela Joița** – *Transformări ale funcțiilor cost pentru minori în grafuri ponderate*, International Conference Education and Creativity for a Knowledge Society, Titu Maiorescu University, 1st Edition, Bucharest, Nov 2007
- **Daniela Joița** – *Application of the Multigrad Techniques to a Capillarity Problem*, Proceedings of the 31st International Conference "Modern Technologies in the XXI Century", Military Technical Academy, secțiunea 15, pag. 15.26 – 15.32, Bucharest, 3-4 nov 2005,
- **Daniela Joița** – *A Matched Asymptotic Expansions Approach to a Nonlinear Boundary Value Problem*, Proceedings of the 31st International Conference "Modern Technologies in the XXI Century", Military Technical Academy, secțiunea 15, pag. 15.33 – 15.40, Bucharest 3-4 nov 2005

Research Projects and Grants:

- 2000 - "*Customer Lifetime Value*" - financed by M&T Bank from Buffalo, NY, SUA and Center for Computational Research, State University of New York at Buffalo – member in the research team
- 2000 - 2011 – "Center for information, consulting and mentoring for promotion of antreprenorial culture", POSDRU/92/3.1/S/57836 – informatics expert
- 2012 – Advanced Studies School „Challenges in Cyber Security - from Paradigm to Implementation”, PN-II-ID-SSA-2012-2-017 – vicepresident of the scientific committee

Other activities :

- reviewer for MathSciNet