

Disciplinele postului : Teoria probabilităţilor şi statistică matematică; Algebră liniară, geometrie analitică şi ecuaţii diferenţiale; Informatică aplicată; Elemente avansate în realizarea aplicaţiilor Web cu PHP şi MySQL; Elemente de Data Mining; Programare orientată pe obiecte; Procesarea imaginilor digitale; Grafică şi geometrie computaţională; Programare orientată pe obiecte, simulare şi jocuri; Algoritmi în reţea; Matematici financiare şi actuariale; Analiză matematică; Matematică discretă; Bazele matematice ale calculatoarelor.

## FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂŢII TRANSILVANIA DIN BRASOV, poziția 69

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 Funcția actuală: cadru didactic asociat

Data naşterii: 2.06.1979  
 Instituția: Universitatea *Transilvania* din Braşov

### 1. Studii universitare (licență şi masterat)

Nr. crt.	Instituția de învățământ superior şi facultatea	Domeniul	Perioada	Titlul acordat
1.	Universitatea Transilvania din Brasov Facultatea de Matematică şi Informatică	Matematica	1998-2012	Licentiat in matematica
2.	Universitatea Transilvania din Brasov Facultatea de Matematică şi Informatică	Metode matematice si produse software	2012-2013	

### 2. Studii de doctorat

Nr. crt.	Instituția organizatoare de doctorat	Domeniul	Perioada	Titlul științific acordat
	Universitatea Transilvania din Brasov Facultatea de Matematică şi Informatică	Matematica	2007-2012	doctor

### 3. Studii şi burse postdoctorale (stagii de cel puțin 6 luni)

Nr. crt.	Instituția	Domeniul/ Specializarea	Perioada	Tipul de bursă
	-	-	-	-

### 4. Realizările profesional-ştiinţifice

Calitatea activităţilor didactice/ profesionale	Din Fişa de evaluare şi din Propunerea de dezvoltare a carierei universitare
Lucrări publicate în reviste de specialitate recunoscute naţional internaţional	1. <b>Stoian Nadia Mirela</b> , <i>Approximation techniques and harmonic resolution by mediation method for randomly perturbed linear differential equations</i> – ISI Wulfenia Journal 2012, Klagenfurt, Austria, Volume 19,

	<p>Issue 8; ISSN: 1561-882X, Impact Factor: 0.267.</p> <p>2. <b>Stoian N. M.</b>, Barabas S., Barabas B., <i>Markovian model for the study of evolution and prognosis Romania's foreign trade</i>, Annals of the Academy of Romanian Scientifics Seria on Sience and Technology of Information, vol. 2, No. 2/2013, ISBN 978-973-0-15480-1, ISSN 2068-4096, pg. 235-234.</p> <p>3. Fota (Florescu) A., Barabaş S., <b>Stoian N.</b>, <i>Mathematical modeling in designing of flexible manufacturing systems</i>, (in process), Technical Gazette, journal ISI, ISSN 1350-1361, impact factor 0,579 (2014), <a href="http://www.tehnicki-vjesnik.com/web/public/archive">http://www.tehnicki-vjesnik.com/web/public/archive</a></p>
Lucrări prezentate la conferințe naționale/internaționale în profilul postului	<p>1. Fota A., Calefariu G., Barabaş S., <b>Stoian N. M.</b>, Olteanu F., <i>Methods and Techniques of Analysis and Management of Flexible Production Systems</i>, Proceedings of the 16<sup>th</sup> International Conference Modern Technologies, Quality and Innovation, Volume I, (ModTech 2012), Iasi-Chisinau-Belgrad, 24-26 mai, 2012, ISI web of knowledge / BDI, ISSN 2066-3919, pg. 389-393.</p> <p>2. <b>Stoian Nadia Mirela</b>, Orman V. Gabriel, Crişmaru Nicolae, „<i>Mathematical modeling of a stochastic branching process</i>” – Proceedings of the 12<sup>th</sup> WSEAS International Conference on Recent Researches in Neural Networks, Fuzzy Systems, Evolutionary Computing &amp; Automation, Transilvania University of Brasov, Romania, April 11-13, 2011, ISI Proceedings / BDI ISBN 978-960-474-292-9, pg.177-181.</p> <p>3. Fota Adriana, Calefariu Gavrilă, Barabaş Sorin, Dumitraşcu Adela-Eliza, <b>Stoian Nadia Mirela</b>, “<i>Studies Regarding Simulation of Intelligent Flexible Manufacturing System</i>” – Proceedings of the 3<sup>rd</sup> WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS „11), Transilvania University of Brasov, Romania, April 11-13, 2011, ISI Proceedings / BDI, ISBN 978-960-474-294-3, pg. 84-90.</p> <p>4. <b>Stoian Nadia Mirela</b>, BĂLAN Mariana, „<i>Stochastic models for credit risk</i>”, Revista Internal Auditing &amp; Risk Management, ISSN 2065 – 8168, Editura Universităţii Athenaeum din Bucureşti, anul VII, nr.1(25), martie 2012.</p>

5. **Stoian Nadia Mirela**, “*Stochastic model of the nonlinear flutter with one degree of freedom*” – The 4<sup>th</sup> International Conference on Computational Mechanics and Virtual Engineering – COMEC 2011, Brasov, Romania, 20-22 october 2011, ISBN 978-973-131-122-7, pg. 113-117.
6. **Stoian Nadia Mirela** “*Number of jumps for sample functions of Levy processes functions*” – *Proceedings of „Gheorghe Vrănceanu” International Conference on Mathematics and Informatics*, „Vasile Alecsandri” University of Bacău, Faculty of Sciences, Bacău, Romania, 8<sup>th</sup> – 10<sup>th</sup> September, 2009, Vol. 19, ISSN 2067 – 3566, pg. 437 – 444.
7. Bălan Mariana, **Stoian Nadia Mirela**, „*Turismul rural și implicațiile sale în dezvoltarea comunei Fundata*” International Conference – The Yearbook of Gh. Zane Institute of Economic Researches, Iasi, Romania, 25-26 Mai 2012, ISSN 1453-4061.
8. **Stoian Nadia Mirela** “*Explosion tests for the solutions of stochastic equations*” – The 6<sup>th</sup> International Conference Mechanics and Machine Elements, Technical University of Sofia, Bulgaria, 4<sup>th</sup> – 6<sup>th</sup> November 2010, ISSN 1314-040X, pg. 504 – 509.
9. **Stoian Nadia Mirela** “*A neural network model*” – *Proceedings of the 8<sup>th</sup> International Conference on Challenges in Higher Education and Research in the 21<sup>st</sup> Century*, Technical University of Sofia, 2010, Vol. 8, ISBN 978-954-580-282-9, pg. 267-269, Heron Press.
10. **Stoian Nadia Mirela** “*A stochastic approximation model*” – *Proceedings of the 7<sup>th</sup> International Scientific Conference – New Challenges in the Field of Military Sciences 2010*, Budapest, Hungary, 28<sup>th</sup> – 30<sup>th</sup> September, 2010, ISBN 978-963-87706-6-0, pg. 1–3.
11. **Stoian Nadia Mirela** “*The calculus of variations for processes with independent increments*” – The 12<sup>th</sup> International Conference AFASES 2010 – Scientific Research and Education in the Air Force, Braşov, România, May 27-29, 2010, ISBN 978-973-8415-76-8, pg. 376 – 382.
12. Fota Adriana, Barabaş Sorin, **Stoian Nadia**, Barbu Magdalena “*The optimization of advanced product systems*

	<p><i>used the fuzzy algorithm</i>” – The 13<sup>th</sup> International Conference AFASES 2011 – Scientific Research and Education in the Air Force, Braşov, România, May 26-28, 2011.</p> <p>13. Barabaş Sorin Adrian, Fota Adriana, Şerban Cornel, <b>Stoian Nadia</b> “<i>Stress analysis with finite element method of large bearings hollow rollers used in wind turbine system</i>” – The 13<sup>th</sup> International Conference AFASES 2011 – Scientific Research and Education in the Air Force, Braşov, România, May 26-28, 2011.</p> <p>14. <b>Stoian Nadia Mirela</b>, “<i>A higher order iterative method for solving nonlinear equations and applications</i>”- Proceedings of the 26<sup>th</sup> Scientific Session Mathematics and Applications, “Transilvania” University of Brasov, Romania, Iunie, 2012. (în curs de apariţie)</p> <p>15. <b>Stoian Nadia Mirela</b> “<i>The analysis production capability in terms stochastic</i>” - Proceedings of the 25<sup>th</sup> Scientific Session Mathematics and Applications, “Transilvania” University of Brasov, Romania, May, 2011, ISSN 1843 – 6994, pg. 59 – 64.</p> <p>16. <b>Stoian Nadia Mirela</b> “<i>A stochastic model for population growth</i>” – The 7<sup>th</sup> International Conference on Applied Mathematics, North University of Baia Mare, Baia Mare, România, 1<sup>st</sup> – 4<sup>th</sup> September, 2010.</p> <p>17. <b>Stoian Nadia Mirela</b> “<i>Some features of Poisson’s distribution function</i>” - Proceedings of the 24<sup>th</sup> Scientific Session Mathematics and Applications, “Transilvania” University of Brasov, Romania, May, 2010, ISSN 1843 – 6994, pg. 57 – 63.</p> <p>18. <b>Stoian Nadia Mirela</b> “<i>A simple stochastic epidemic model</i>”, - Proceedings of the 23<sup>rd</sup> Scientific Session Mathematics and Applications, “Transilvania” University of Brasov, Romania, 8<sup>th</sup> – 9<sup>th</sup> May, 2009, ISSN 1843 – 6994, pg. 109 – 115.</p> <p>19. <b>Stoian Nadia Mirela</b> “<i>Decomposition of additive processes</i>” – International Conference of Mathematical Sciences, Maltepe University of Istanbul, Turkey, 4<sup>th</sup> – 10<sup>th</sup> August, 2009, pg. 299.</p> <p>20. <b>Stoian Nadia Mirela</b> “<i>The Fokker-</i></p>
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	<i>Planck equation for an isolated N-particle system</i> ” – The 2 <sup>nd</sup> Chaotic Modeling and Simulation International Conference, Chania Crete, Greece, 1 <sup>st</sup> – 5 <sup>th</sup> June, 2009, pg. 84.
Volum(e) de specialitate publicat(e) în edituri recunoscute național	-

**Director de departament,  
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