

PERSONAL INFORMATION

CRISTINA STAN

 Bucuresti, Sector 1, 014454

 +40 214 029 102  +40 723 228 610

 cristina.stan@physics.pub.ro; cvstan67@gmail.com

Sex Female | Date of birth 02/06/1967 | Nationality Romanian

WORK EXPERIENCE

- mart. 2015 – present** **Professor**
Faculty of Applied Physics, UPB, 313 Splaiul Independenței, Bucharest
Teaching activity and research
- oct. 2004 – feb. 2015** **Associate Professor**
Faculty of Applied Physics, UPB, 313 Splaiul Independenței, Bucharest
Teaching activity and research
- oct. 2000 – sept 2004** **Lecturer**
Faculty of Applied Physics, UPB, 313 Splaiul Independenței, Bucharest
Teaching activity and research
- feb. 1999 –sept. 2000** **Lecturer**
Alexandru Ioan Cuza University of Iasi, 1 blv Carol, Iasi, Romania
Teaching activity and research
- Sept. 1990– Jan. 1999** **Assistant**
Alexandru Ioan Cuza University of Iasi, 1 blv Carol, Iasi, Romania
Teaching activity and research
- Sept. 1989– Sept. 1990** **Highschool teacher**
Highschool no 2, Bacau, RomLecturer
Teaching activity

EDUCATION AND TRAINING

- 2016** **Habilitation Thesis in Physics:** “Nonlinear Dynamics, Noise and Chaos Control: experiment and modeling in low temperature discharge plasmas and other nonlinear systems.” (OM No. 3968/ 07.06.2016)
- 2000** **PhD in Physics - Plasma Physics**
Alexandru Ioan Cuza University of Iassy, 1 blv Carol, Iassy, Romania
PhD Title “Self-organized space charged structures in plasma diode type devices”
- 1985-1989** **- Graduate diploma**
Faculty of Physics, Alexandru Ioan Cuza University of Iassy, 1 blv Carol, Iassy, Romania

Mother tongue(s)	Romanian				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	B2	C1
French	A2	A2	A1	A2	A1
German	A2	A2	A2	A2	A1

- Organisational / managerial skills**
- team member in over 17 national and international research projects in 5 as Project Director/Responsible

ADDITIONAL INFORMATION

Publications Author/co-author of 15 books and over 90 scientific papers (70 ISI) in the domain of quantum structures, nonlinear and chaotic phenomena and time-series analysis for complex systems <http://orcid.org/0000-0003-1757-4011>; Scopus Author ID: 7004427420;

Citations papers cited in more than 180 ISI articles (without self-citations); Hirsch 11

Other

- Referee at Physica A: Physica A: Statistical Mechanics and its Applications; Acta Chimica, Journal of Zhejiang University Science A. Springer, International Journal of Bifurcation and Chaos, Journal of Plasma Physics, Current Bioinformatics, Thin Solid Films, CRC Press | Taylor & Francis Group, Journal of Molecular Graphics and Modelling, Indian Journal of Physics, Journal of Applied Statistics, Journal of Physics D: Applied Physics
- Member of the Scientific Board of UPB Scientific Bulletin and Buletinul Științific al Universității Tehnice "Gheorghe Asachi", Iași.

ANNEXES- Selected papers

- Title:** *Multipole electrodynamic ion trap geometries for microparticle confinement under standard ambient temperature and pressure conditions*
Author(s): Mihalcea, B. M.; Giurgiu, L. C.; Stan, C.; et al.
Source: JOURNAL OF APPLIED PHYSICS **Volume:** 119 **Issue:** 11 **Published:** 2016
- Title:** *Multipole traps as tools in environmental studies*
Author(s): Stan, C.; Mihalcea, B. M.; Stan, C.; Giurgiu, L. C.; et al.
Source: ROMANIAN JOURNAL OF PHYSICS **Volume:** 61 **Issue:** 7-8 **Pages:** 1395-1411 **Published:** 2016
- Title:** *The effect of Gaussian white noise on the fractality of fluctuations in the plasma of a symmetrical discharge*
Author(s): Stan, C.; Cristescu, CM.; Alexandroaei, D.; Cristescu, CP
Source: CHAOS SOLITONS & FRACTALS **Volume:** 61 **Pages:** 46- 55 **DOI:** 10.1016/j.chaos.2014.02.009 **Published:** APR 2014
- Title:** *Analysis of the intermittent behavior in a low-temperature discharge plasma by recurrence plot quantification*
Author(s): Stan, C.; Cristescu, CP; Dimitriu, DG
Source: PHYSICS OF PLASMAS **Volume:** 17 **Issue:** 4 **Article Number:** 042115 **DOI:** 10.1063/1.3385796 **Published:** APR 2010
- Title:** *Stochastic resonance and vibrational resonance in an excitable system: The golden mean barrier*
Author(s): Stan, C.; Cristescu, CP; Alexandroaei, D.; Agop, M
Source: CHAOS SOLITONS & FRACTALS **Volume:** 41 **Issue:** 2 **Pages:** 727-734
DOI: 10.1016/j.chaos.2008.03.004 **Published:** JUL 30 2009
- Title:** *Golden mean relevance for chaos inhibition in a system of two coupled modified van der Pol oscillators*
Author(s): Stan, C.; Cristescu, CP; Agop, M
Source: CHAOS SOLITONS & FRACTALS **Volume:** 31 **Issue:** 4 **Pages:** 1035- 1040 **DOI:** 10.1016/j.chaos.2006.04.056 **Published:** FEB 2007
- Title:** *Dynamic control by sinusoidal perturbation and by Gaussian noise of a system of two nonlinear oscillators: Computation and experimental results*
Author(s): Cristescu, CP; Stan, C.; Alexandroaei, D
Source: PHYSICAL REVIEW E **Volume:** 70 **Issue:** 1 **Article Number:** 016613 **DOI:** 10.1103/PhysRevE.70.016613 **Part:** 2 **Published:** JUL 2004
- Title:** *Control of chaos by random noise in a system of two coupled perturbed van der Pol oscillators modeling an electrical discharge plasma*
Author(s): Cristescu, CP; Stan, C.; Alexandroaei, D
Source: PHYSICAL REVIEW E **Volume:** 66 **Issue:** 1 **Article Number:** 016602 **DOI:** 10.1103/PhysRevE.66.016602 **Part:** 2 **Published:** JUL 2002

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