PERSONAL INFORMATION

Enăchescu N. / Denis Melvin Nicolae

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✉ denaches@fmi.unibuc.ro

Sex male | Date of birth 1952 | Nationality Romanian

WORK EXPERIENCE

From 2017 till now

Senior researcher

„Gheorghe Mihoc-Caius Iacob" Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy

‣ Research projects in the fields of Artificial Intelligence, Biostatistics and Numerical Analysis

From 2014 till 2016

Member of the CNATDCU Computer Science Commission

- checking the files for compliance with the minimum scientific criteria for granting scientific and didactic degrees in the Romanian Universities

From 2009 till now

PhD supervisor

University of Bucharest, Doctoral School of Computer Science

▪ mentoring / tutoring Ph.D.

From 2008 -2015

Deputy Dean of the Faculty of Mathematics and Computer Science

University of Bucharest, Faculty of Mathematics & Computer Science

▪ Administrative and informatics education

From 2004 till 2017

Professor

University of Bucharest, Faculty of Mathematics & Computer Science

▪ courses and seminars at bachelor, master, doctoral level

From 2001-2004

Associate professor

University of Bucharest, Faculty of Mathematics & Computer Science

▪ courses and seminars at bachelor, master level

From 2000-2001

Associate professor

University "Ovidius" Constanta, Faculty of Mathematics & Computer Science

▪ courses and seminars at bachelor, master level

From 1992-2000

Lecturer

University of Bucharest, Faculty of Mathematics & Computer Science

- courses and seminars at bachelor level

From 1979-1992

analyst - programmer, researcher

University of Bucharest, Computer Centre

▪ seminar bachelor level, research contracts

EDUCATION AND TRAINING

From 1976-1980 PhD in mathematics
▪ University of Bucharest

From 1971-1975 Bachelor in mathematics, speciality informatics
▪ University of Bucharest

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	C1	B1	B1	B2
C1	C2	C1	C1	C1
C1	B2	C1	B1	B1

English
French
German

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ Team spirit, communication skills, adaptability, responsibility, diligence, sociability

Organisational / managerial skills ▪ From 2009 till 2016 Deputy Dean of the Faculty of Mathematics and Computer Science

Scientific expertise
▪ Simulation methods, especially the Monte Carlo method;
▪ Data Mining methods, especially factorial methods, cluster and discriminant analysis;
▪ Artificial Intelligence, neuronal networks and support vector machines for supervised and unsupervised statistical learning;
▪ Biostatistics, especially statistical methods for bioavailability and bioequivalence.

Driving licence ▪ B

ADDITIONAL INFORMATION

Relevant publications

C. Cavaterra, D. Enăchescu, G. Marinoschi (2019) "*Evolution Equations and Sliding Mode Control of the Hodgkin-Huxley Mathematical Model*" Evolution Equations and Control Theory, Volume 8, Number 4, December 2019 pp. 883-902, doi:10.3934/eect.2019043

D.Enăchescu (2010) "*Exploratory data analysis methods for comparision of drug dissolution profiles*", Biocybernetics and Biomedical Engineering, 30(4), p. 17-27, ISSN: 0208-5216, ISBN: 978-83-01-15934-4(01)

D.Enăchescu, C.Enăchescu (2009) "*A new approach for outlying records in bioequivalence trials*", in Selected papers of „The XIIIth International Conference-Applied Stochastic Models and Data Analysis", eds. L. Sakalauskas, C.Skiadas, E.K.Zavadskas, VGTU Press „Technika",Vilnius, Lithuania, p. 250-257

D.Enăchescu (2003) "*Elements of Statistical Learning. Applications in Data Mining*", Libraria Editrice Università di Padova, CLEUP,Padova, Italia, pp.168, ISBN 88-7178-951-2

D.Enăchescu (2004) "*A Multilayer Perceptron Model for Prostate Cancer Prediction*", International Journal of Computer Mathematics, 81(4), p.407-415, ISSN: 0020-7160

Grant Research Activity

<u>2004-2006</u> *Knowledge Discovery Net – A Network of Excellence in Knowledge Discovery and Data Mining,* leaded by Fraunhofer AIS, Bonn, Germany (call FP6-2002-IST-1) member

<u>2005-2006</u> *Scan-statistics. Applications in medicine*, with University Lille 2, France, within the PAI „Brâncuşi", member,
http://fmi.unibuc.ro/ro/tema_cercetare_scan_statistics_si_aplicatii/

2008-2011 *Bioinformatics criteria for optimizing the safety and efficacy profile for hydrophobic drugs* (in Romanian)- HIDROFOB "PNCDI-2007-2013, field 4, grant no. 42-135, coordinator Faculty of Pharmacy, UMF, Bucharest, member

2006-2008 *Data exploration and statistical modeling with applications in medical decision support,* Polish-Romanian Joint Research Project, under the agreement on Scientific cooperation between the Polish Academy of Sciences and the Romanian Academy

2004-2005 *Metabolic variability and implications for pharmacokinetics. Application to cardiovascular drugs.* (in Romanian) Priority Research Program MEC, VIASAN (Life and Health), Contract 274/1, coordinator Faculty of Pharmacy, UMF, Bucharest, member

Professional Prestige	1991	member of the **International Association for Statistical Computing - IASC –**
		member of the **Gesellschaft fur Angewandte Mathematik und Mechanik – GAMM**
	1994	elected ordinary member of the **International Statistical Institute - ISI –** (http://isi.cbs.nl/ISImembers/isimembersA-F.pdf)
	1997	founding member of the **Romanian Society of Probability and Mathematical Statistics**
	2001	member of the **International Biometric Society -IBS**
	2002	member of the **International Society for Clinical Biostatistics –ISCB**
	2011	member of the Romania Association for Artificial Intelligence **-ARIA**

Bucharest, September 2019