

Serban Dinca-Panaitescu, Ph.D.

GENERAL INFORMATION:

- York Address/Phone Number/e-mail address

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EDUCATION

Year	Degree	Field	Institution
2001	Ph.D.	Industrial Engineering	Polytechnic University of Bucharest, Bioengineering and Biotechnology Department. Ph.D. Thesis Title: ECG monitoring of cardiac sympathetic drive: Evaluation of the arrhythmogenic potential and sudden cardiac death risk.
1995	M.Sc.	Electrical Engineering	Polytechnic University of Bucharest
1994	B.Sc.	Bioengineering	Polytechnic University of Bucharest

Current Position (*with date of appointment to position*)

2007 - present **Associate Professor. Health Informatics**
School of Health Policy and Management, Faculty of Health, York University

Previous Positions (*List in reverse chronological order with dates*)

2002 - 2007 **Assistant Professor. Health Informatics**
School of Health Policy and Management, Atkinson Faculty, York University

1998 – 2001 **Biomedical Engineer**
GE Medical Systems Information Technologies

1996 – 2001 **PhD student and Lecturer (1998-1999)**
Polytechnic University of Bucharest, Romania

1994 – 1998 **Biomedical engineer, Research Associate**
Department of Bioengineering, Institute of Public Health, Bucharest, Romania

1997 **Visiting Research Fellow,**
Hunter Holmes McGuire Department of Veterans Affairs Medical Center, Richmond, VA, USA.

1995 –1997 **Lecturer**
AISTEDA Institute of Applied Informatics, Romania

Honours and Awards

2012-13 Dean's Service Award (Established Career)

2003, 2004, 2011, 2012 YUFA Merit Award

1997 Paper competition award - Annu. Conf. Institute of Public Health Bucharest.

1995 Special award of the Medical Informatics Chair, Timisoara - MEDINF' 95

PROFESSIONAL CONTRIBUTION AND STANDING:

PUBLICATIONS:

Summary of publications:

	Peer-reviewed	Not peer-reviewed or refereed
Books and Monographs	1	0
Articles	14	1
Papers in Published Conference Proceedings	35	11
TOTAL	49	12

Books and Monographs

Negoescu R., Dinca-Panaitescu S: *Electrocardiographic monitoring of cardiac sympathetical control* (in romanian). Ed. AISTEDA, Bucharest, Romania ISBN 973-85321-2-4 (167 pages), 2001

Publications

1. Negoescu, R., Dinca-Panaitescu, S., Ionescu, D.D. (2015) *Neurocardiology of a paradox – Sudden cardiac death corde indemno: mechanism and prevention*. Romanian Medical Journal LXII (2):17-18.
2. Dinca-Panaitescu, M., Dinca-Panaitescu, S., Raphael, D., Bryant, T., Pilkington, F. B., Daiski, I. (2012). *The Dynamics of The Relationship Between Type 2 Diabetes Incidence and Poverty: Longitudinal Results From Canada's National Population Health Survey*. Maturitas, 72(3):229-35.
3. Raphael, D., Daiski, I., Pilkington, B., Bryant, T., Dinca-Panaitescu, M., & Dinca-Panaitescu, S., (2012). *A toxic combination of poor social policies and programmes, unfair economic arrangements and bad politics: The experiences of poor Canadians with Type 2 diabetes*. Critical Public Health, 22(2):127-145.
4. Pilkington, F. B., Daiski, I., Lines, E., Bryant, T., Raphael, D., Dinca-Panaitescu, M., Dinca-Panaitescu, S. (2011). *Type 2 diabetes in vulnerable populations: Community healthcare providers' perspectives of health service needs and policy implications*. Canadian Journal of Diabetes, 35(5):503-11.
5. Dinca-Panaitescu, S., Dinca-Panaitescu, M., Bryant, T., Daiski, I., Pilkington, B., & Raphael, D. (2011). *Diabetes prevalence and income: Results of the Canadian Community Health Survey*. Health Policy, 99(2):116-23.

6. Pilkington, F. B., Daiski, I., Bryant, T., Dinca-Panaitescu, M., Dinca-Panaitescu, S., & Raphael, D. (2010). *The experience of living with diabetes for low-income Canadians*. Canadian Journal of Diabetes, 34(2), 119-126.
7. Tefera B., Evans J., Wainer L., Khan A., Nattimba Z., El Morr C., Dinca-Panaitescu S.(2008): *Electronic Discharge Summaries: Physician Views and Perceptions* Proc. E-Health 2008: Extending the Reach
8. Negoescu, R.M, Dinca-Panaitescu, S. (2008) Cardiovascular Bioengineering: Cross-Spectra of RR and QT Interval Series May Disentangle Sympathetic Drive to Ventricles under Mental Stress, BIOINGTEH - Exploratory Workshop, Advanced Materials & Technologies in Biology and Medicine, Poiana Braşov, Romania
9. Negoescu, R.M, Dinca-Panaitescu, S. (2007) Engineering RR and QT variability to detect risk of, and to prevent sudden death in corde indemno, asymptomatic subject. Revista Medico-Chirurgicala a Soc. Med., 3 (2), 16-17.
10. Dinca-Panaitescu M., Dinca-Panaitescu S., Lee J.(2007): *Simulation of the cumulative effects of chemical spills using a spatial-temporal dynamics analysis algorithm*. Journal of Environmental Management, Vol. 149, p. 707-719
11. Negoescu R., Dinca-Panaitescu S., Achim A.: *Long time-constant in the RR-QT system: prevention of sudden death should extend to borderline QT individuals*, Proc. Euro 2007 Prevent, 2007
12. Negoescu R., Boanta F., Dinca-Panaitescu S.: *Spectral QT-LF tests positively as a pointer to ventricular sympathetic drive under hypobaric hypoxia*, Proc. Euro 2007 Prevent, 2007
13. Negoescu, R.M, Dinca-Panaitescu, S.: *Mining RR and QT variability to detect risk and prevent sudden death in asymptomatic subjects*. Integrating Biomedical Information: From E-cell to E-patient, Assa Reichert ed, IOS Press, 2006 p 214-216, 2006
14. Negoescu R., Dinca-Panaitescu S.: *Mining RR And QT Variability To Detect Risk And Prevent Sudden Death In Asymptomatic Subjects*, Proc. ROMEDINF, 2006
15. Negoescu R., Dinca-Panaitescu S.: *Spectral QT Variability As A Pathognomonic For Sudden Death In Non-Cardiac Subjects Under Mental Stress*, Proc. Euro 2006 Prevent, p. 523, 2006
16. Dinca-Panaitescu S., Negoescu R., Ionescu D.D.: *High resolution ECG in heart failure: RR*QT coherence could assess β -blockade benefit*. Exp Clin Cardiol 9, p. 47, 2004
17. Filcescu V., Boanta F., Dinca-Panaitescu S., Negoescu R.: *Evaluation of the professional stress-dependent coronarian risk for pilot*, National Psycho-neuro-cardiology Symposia, ISPB Press, p. 7, 2002
18. Negoescu R, Istratescu O., Dinca-Panaitescu S., Dinca-Panaitescu M., Achim A.: *QT & RR variability spots the earliest autonomic deregulation in diabetes*. Integrative Physiological and Behavioral Science 37(2): 151-62, 2002
19. Negoescu R., Moisin C., Dinca-Panaitescu S., Dinca-Panaitescu M., Popescu G., Boev A., Banica C.: *Essential hypertension stage I effects postural adaptation but not the nuro-cardiac stress reaction*. Proceedings of the 39th Congress of the Romanian Society of Cardiology, p. 78, 2000

20. Dinca-Panaitescu S., Dinca-Panaitescu M., Achim A., Negoescu R.: *Idioventricular Low Frequency Oscillation in QT Interval Responds Univocally To RR Confusing Kinds of Mental Stress*, Integrative Physiological and Behavioral Science – Vol. 34, p 10-18, 1999
21. Dinca-Panaitescu S., Boev A., Boanta I., Dinca-Panaitescu M., Achim A., Negoescu R.: *Holter contents-sensitive spectral HRV supports enhancing of VLF power in hypertension stage I-II* Proceedings of the Bioengineering Conference Patras, 1999
22. Negoescu R., Istratescu O., Dinca-Panaitescu S., Ciurea M., Achim A., Dumitrescu C.: *RRxQT cross spectralanalysis and the early diabetic cardiovascular dysfunction: the vagus first affected!* (abstract) Proceedings of the 38th Congress of the Romanian Society of Cardiology, p. 99, 1999
23. Dinca-Panaitescu S., Negoescu R., Ionescu D-D., Achim A, Ciurea M: *Long time-constant in RR-QT system promotes functional long QT episodes in borderline subjects. An experimentation-based computer simulation*, European Heart J. Vol. 19, 1998
24. Negoescu R., Istratescu O., Dinca-Panaitescu S., Ciurea M., Achim A.: *Early neuro-, cardio-, vascular dysfunction in in young insulin - dependent diabetic patients: RRxQT cross spectra spot the locus* (abstract) Journal of the American College of Cardiology, 31(5), p. 220C, 1998
25. Istratescu O., Negoescu R., Dinca-Panaitescu S., Dinca-Panaitescu M., Achim A.: *Ventricular arrhythmias and QTc interval during stress-ECG. (abstract)* 1st International Meeting of Cardiology Center Timisoara, p. 28, 1998
26. Boev A., Boanta I., Dinca-Panaitescu S., Dinca-Panaitescu M, Fat L., Apetrei E. Negoescu R.: *Spectral HRV developed from Holter ECG-Siestole confirms the exacerbation of VLF power in essential hypertension stage I-II.* 1st International Meeting of Cardiology Center Timisoara, p. 21-22, 1998
27. Negoescu R., Dinca-Panaitescu S., Dinca-Panaitescu M.: *Sudden cardiac death (SCD) epidemiology in Romania. Risk assessment and prevention*, Epidemiology symposium, p 36-38, Bucharest, 1998
28. Negoescu R., Dinca-Panaitescu S., Ciurea M., Achim A.: *Spatial or temporal dispersions of QT-interval have distinct values for diagnosis and prevention*, National Conference on Preventive and Rehabilitative Cardiology, Covasna, May 30-31; Rom. Heart J., Vol. VII (Suppl 1), 1997
29. Dinca-Panaitescu S., Negoescu R., Ionescu D.D., Filcescu V.: *Idioventricular 0.1 Hz spectral power of QT interval tracks myocardial strain by both emotional and attentional stress* XIX Congress Of The European Society Of Cardiology, 1997
30. Dinca-Panaitescu S., Ciurea M., Achim A, Negoescu R.: *RR-independent 0.1 Hz power in QT spectrum indexes myocardial adrenergic strain by both emotional and attention stress*, Papers 19th Annu. Intl. Conf. IEEE Engineering in Medicine and Biology Society, p. 811, 1997
31. Negoescu R, Csiki I.E., Pafnote M., Dinca-Panaitescu S., Wolf S.: *Concentrated attention and cardiac risk by chronic mental stress can be assessed by tetemetric or Holter ECG rhythmography.* 32th Int. Annu. Conf. Inst. Hygiene & Public Health, Bucharest, p. 298-299, 1997
32. Ionescu D.D., Negoescu R., Dinca-Panaitescu S., Filcescu V.: *Time constants in RR-QT system. Intrinsic QT concept.* 32th Int. Annu. Conf. Inst. Hygiene & Public Health, Bucharest, p. 286-287, 1997

33. Negoescu R., Dinca-Panaitescu S., Filcescu V., Ionescu D.D., Wolf S.: *Mental stress enhances the sympathetic fraction of QT variability in an RR-independent way*. Integrative Physiological and Behavioral Science, Vol 32(3), p. 220-226, 1997
34. Boanta F., Dinca-Panaitescu S., Filcescu V., Negoescu R.: *How cerebral regional flow is affected by cardiac performance in coronaropathy. A rheoencephalographic study in view of stroke prevention*. The Journal of Preventive Medicine, Iasi, 1997
35. Boanta F., Filcescu V., Negoescu R., Dinca-Panaitescu S.: *Silent myocardial ischemia in long-courier pilots during flight. Case study*. National Journal of Medicine, Vol 1(3), p. 8-11, 1997
36. Negoescu R., Dinca-Panaitescu S., Filcescu V., Ionescu D.D.: *Evidence of sympathetic influence on QT interval independent of heart rate (abstract)*. The Pavlovian Society-Annual Conference, Baltimore, p. 12, 1996
37. Draghicescu D., Poenareanu D., Dinca-Panaitescu S., Negoescu R.: *Wavelet transform analysis of RR and QT intervals derived from high resolution ECG*. Proc. Annu. Conf. of Cibernetics, Bucharest, p. 29, 1996
38. Dinca-Panaitescu S., Negoescu R.: *Objectifying psycho-social cardiovascular risk: an application field for bioengineering*. Proc. Annu. Conf. of Cibernetics, Bucharest, p. 30, 1996
39. Dinca-Panaitescu S., Negoescu R., Ionescu D.D., Filcescu V.: *RR*QT coherence discriminates within situation-dependent, dual sympathetic drive to the heart in healthy young*, Papers 18th Annu. Inter. Conf. of IEEE Engineering in Medicine and Biology Society, p. 113, 1996
40. Ionescu D.D., Dinca-Panaitescu S., Filcescu V., Enache M., Negoescu R.: *Time constant of QT adjustment to a steady heart rate obtained with autonomic blockade or fixed rate atrial pacing (abstract)*. Rom. Heart J., VI (2), p. 126, 1996
41. Dinca-Panaitescu S., Ionescu D.D., Filcescu V. , Negoescu R.: *Spectral RR*QT coherence can spot the sympathetic-drive-to-ventricles fraction of QT power spectrum (abstract)*, 18th Congress of the European Society of Cardiology, vol. 17, p.102, 1996
42. Negoescu R., Dinca-Panaitescu S., Filcescu V., Ionescu D.D.: *QT spectral power within 0.1 Hz band is related to sympathetic messages to atrial and ventricular targets as a function of situation (abstract)*, 18th Congress of the European Society of Cardiology, vol. 17, p. 282, 1996
43. Dinca-Panaitescu S., CepiSca C., Negoescu R.: *Classifier using neural networks is effective in state recognition of Holter RR spectra*, Proc. Int. Conf. on Optimization of Electric and Electronic Equipment, BraSov, p. 1727-1730, 1996
44. Negoescu R., Dinca-Panaitescu S., Ionescu D.D., Filcescu V., Licurici M.: *Arrhythmogenic component of sympathetic strain under mental stress is separable by RR x QT coherence spectrometry. Clinical study using electrophysiological and pharmacological manipulation of RR interval in healthy young (abstract)* 31th Annu. Conf. Inst. Hygiene & Public Health, Bucharest, p. 153, 1996
45. Dinca-Panaitescu S., Bozocca G., Negoescu R.: *Neural network expert-module for state-recognition of Holter RR spectra*, Medical Informatics - MEDINF 95, p. 63-68, 1995

46. Negoescu R., Wolf S., Filcescu V., Ionescu D.D., Boanta E., Dinca-Panaitescu S.: *Acute or chronic mental stress is felt as undue sympathetic drive to ventricles in healthy adults (abstract)*, Annu. Conf. Pavlovian Society, Baltimore, 1995
47. Negoescu R., Filcescu V., Dinca-Panaitescu S.: *QT versus RR spectrum shades into sympathetic control during hypobaric hypoxia* Papers 17th Annu. Inter. Conf. of IEEE Engineering in Medicine and Biology Society, Montreal, p. 905, 1995
48. Negoescu R., Wolf S., Filcescu V., Ionescu D.D., Boanta E., Dinca-Panaitescu S.: *The 0.05-0.15 Hz spectral fraction of beat-by-beat QT: a window to the mechanism of sudden cardiac death without myocardial injury* Proc. 17th European Congress on Noninvasive Cardiovascular Dynamics, Ljubljana, p. 49, May 28-31, 1995
49. Negoescu R., Filcescu V., Ionescu D.D., Dinca-Panaitescu S.: *Spectral dynamics of QT interval under mental stress with stable RR interval by vagal blockade or atrial pacing (abstract)*, Rom. Heart J., V (2), p. 126, 1995
50. Ionescu D.D., Negoescu R., Filcescu V., Dinca-Panaitescu S.: *QT interval adapting to heart rate during autonomic blockade in healthy young (abstract)*, Rom. Heart J., V (2), p. 108, 1995
51. Filcescu V., Ionescu D.D., Negoescu R., Dinca-Panaitescu S.: *QT interval adapting to heart rate when atrial pacing in healthy young (abstract)*, Rom. Heart J., V (2), p. 100, 1995
52. Negoescu R., Filcescu V., Boanta F., Dinca-Panaitescu S., Popovici C.: *Hypobaric Hypoxia: Dual sympathetic control in light of RR and QT spectra*. Rom. J. Physiol., Vol. 1-4, p. 47-53, 1994
53. Negoescu R., Filcescu V., Boanta F., Dinca-Panaitescu S., Popovici C.: *Spectral Analyses of RR and QT Interval-Series Recorded Under Hypobaric Hypoxia*. Bioengineering & Biotechnology No 26, p. 29-32, Polytechnic University Bucharest, 1994

Reports

- *Dialogue on eHealth/mHealth*, Report of the York University Workshop on eHealth and mHealth, June 2011
- *Redefining Public Health in Canada*, Report of the York University Roundtable on Public Health Goals, June 2005

CONFERENCE & INVITED PRESENTATIONS:

Ahmad, F., McKenzie, K., Ledwos, C., Shakya, Y., Rashid, M., Lou, W., Ng, P., Ginsburg, L., Dinca-Panaitescu, S., (2015) *Interactive Client Assessment Survey (iCCAS) for Common Mental Disorders: A Pilot in Community Health Center Serving Vulnerable Communities*. E-Health Conference, Toronto.

2014 Webinar, co-sponsored by the Diabetes Nurses Interest Group and the Mental Health Nurses Interest Group, Registered Nurses Association of Ontario

Pilkington, F. B., Daiski, I., Bryant, T., Raphael, D., Dinca-Panaitescu, S., & Dinca-Panaitescu, M. (July 10, 2014). *The Experience of Living with Diabetes and Mental Illness for Low Income Canadians*. Toronto.

2013 EUROPACE X (EHRA) 2013 Athens

Negoescu R., Dinca-Panaitescu S., Ionescu D.D.: In healthy humans low frequency variability of QT interval witnesses sympathetic drive to ventricles over and above RR waving. (poster 1295)

2012 Not Another Lecture, eLearning and Experiential Education Celebration

York University

2012 Teaching & Learning Innovation Celebration

York University, *Building Systems for Engaged Learning Through Technology*

2010 Health Leadership and Learning Network

York University, *Transforming Healthcare with technology*

2008 E-Health 2008: Extending the Reach

Vancouver, Canada Electronic Discharge Summaries: Physician Views and Perceptions(refereed)

2007 Euro 2007 Prevent

Madrid, Spain *Long time-constant in the RR-QT system: prevention of sudden death should extend to borderline QT individuals* (refereed)

2007 Euro 2007 Prevent

Madrid, Spain *Spectral QT-LF tests positively as a pointer to ventricular sympathetic drive under hypobaric hypoxia* (refereed)

2007 ROMEDINF 2007

Timisoara, Romania *Mining RR And QT Variability To Detect Risk And Prevent Sudden Death In Asymptomatic Subjects*

2006 Euro 2006 Prevent

Athens, Greece *Spectral QT Variability As A Pathognomonic For Sudden Death In Non-Cardiac Subjects Under Mental Stress* (refereed)

2004 National Research Forum for Young Investigators in Circulatory and Respiratory Health,

Winnipeg, Manitoba *High resolution ECG in heart failure: RR*QT coherence could assess β -blockade benefit* (refereed)

2003 Data Mining Seminar York University *Data Collection Issues: knowledge, measurement, and privacy,*
York University (not refereed)

1998 20th Congress of The European Society of Cardiology, Vienna *Early neuro-, cardio-, vascular dysfunction in in young insulin - dependent diabetic patients: RRxQT cross spectra spot the locus* (refereed)

1997 19th Congress of The European Society of Cardiology Stockholm *Idioventricular 0.1 Hz spectral power of QT interval tracks myocardial strain by both emotional and attentional stress*(refereed)

1996 Conf. of Cibernetics, Bucharest *Objectifying psycho-social cardiovascular risk: an application field for bioengineering.* (not refereed)

1996 18th Inter. Conf. of IEEE Engineering in Medicine and Biology Society, Amsterdam *RR*QT coherence discriminates within situation-dependent, dual sympathetic drive to the heart in healthy young (refereed)*

1996 18th Congress of the European Society of Cardiology, Birmingham *Spectral RR*QT coherence can spot the sympathetic-drive-to-ventricles fraction of QT power spectrum (refereed)*

1996 31th Annu. Conf. Inst. Hygiene & Public Health, Bucharest *Arrhythmogenic component of sympathetic strain under mental stress is separable by RR x QT coherence spectrometry.*

1995 Annu. Conf. Pavlovian Society, Baltimore *Acute or chronic mental stress is felt as undue sympathetic drive to ventricles in healthy adults (refereed)*

1995 17th Annu. Inter. Conf. of IEEE Engineering in Medicine and Biology Society, Montreal *QT versus RR spectrum shades into sympathetic control during hypobaric hypoxia (refereed),*

1995 Medical Informatics Conference – MEDINF *Neural network expert-module for state-recognition of Holter RR spectra (refereed)*

RESEARCH SUPPORT:

• grants, research leave (*indicate date, project, amount, and granting agency*)

March 2014 **\$15,000** *Fitness Coach Connects Program Evaluation*
Dinca-Panaitescu, S., Mack, T.
Granting Agency: MITACS
Role:Principal Investigator

March 2013 **\$89,933** *Interactive Computer-assisted Screening (iCAS) for Depression in Primary Care*
Ahmad, F., Ledwos, C., Rashid, M., Dinca-Panaitescu, S., Ginsburg, L.R., Lou, W., Mckenzie, K., Ng, P., Shakya, Y.
Granting Agency: CIHR
Role:co-investigator

March 2012 **\$ 7500** *VPRI-sponsored York Seminar for Advanced Research*
Granting Agency: VPRI, York University
Role:PI

March 2007 **\$ 10,000** *Environmental scan on available data sources related to various mathematical modeling components to evaluate the transmission of infectious diseases*
Public Health Agency of Canada
Role:co-PI with Jianhong Wu

January 2007 **\$ 1,500** *Electronic Cardiac Rehabilitation Discharge Summary*
SSHRC Small Grant Program
Role:PI

November 2006 **\$ 1,600** *Developing an Electronic Discharge Summary System Prototype for Cardiac Rehabilitation Centers*
Granting Agency: Atkinson Minor research Grant, York
Role:PI

August 2006 **\$ 40,000** *Attending to social vulnerabilities in tuberculosis transmission dynamics: toward a synergistic model of qualitative and quantitative methods*

Gaetz, S.A., Daiski, I., Wu, J., Rioux, M., Keil, R., **Dinca-Panaitescu, S.**, Ali, H., Zhou, Y.

Granting Agency: SSHRC

Role: co-investigator

January 2006 **\$200,000** *Strategic plan and governance model development for e-Health within Central LHIN*

Central LHIN IM/IT e-Health Group: D. Salois-Swallow, P. Wegener, D. Landry, S. Kwolek, J. Moolecherry, S. Dinca-Panaitescu, S. Briggs, N MacKen, S. Miller

Granting Agency: e-Health Office, Ministry of Health and Long-Term Care

Role: co-investigator

April 2004 **\$1,350** *National Research Forum for Young Investigators in Circulatory and Respiratory Health*, Conference Travel Grant,

Granting Agency: Atkinson, York

March 2004 **\$400** *York Ad Hoc Research Fund*, Conference Travel

Granting Agency: York

July 2002 **\$6,000** *Startup Grant*

Granting Agency: York

1996-1999 **\$28,800** *Cardiovascular bioengineering studies on mechanisms, risk evaluation and prevention of stress-dependent sudden cardiac death in patients with no myocardial injury.*

PI: Radu Negoescu **CI:** Serban Dinca-Panaitescu

Granting Agency: Romanian Academy of Medical Sciences

CONTRIBUTIONS TO THE PROFESSION

Conferences / Workshops Organization

- Member of the Scientific Committee, 2nd Advances in Health Informatics Conference 2012, York University, Toronto, Ontario, Canada
- Organizer, eHealth Workshop – York University 2011, Canada
- Member of the Scientific Committee, The 10th Biomedical Engineering Conference - INGIMED 2009, Bucharest, Romania
- Member of the Scientific Committee, International Conference on Metrology & Measurement Systems, METSIM 2009, Bucharest, Romania
- Co-organizer of the 2006 summer training school at Stina de Vale (Oradea), Romania
- Moderator, Strengthening the Social Determinants of Health: The Toronto Charter for a Healthy Canada Conference, York University, 2002

Invited presentations

- eHealth & mHealth: New opportunities for Health Care. York University, 2011
- *Canada vs. Romania: Comparative Health System Outcomes*. Public Health Institute, Romania, 2009
- *Privacy and Confidentiality of health information*. York University, 2009

- *Clinical Informatics Can Spot the Heart Repercussions of the Mental Processes*. “Spotlights on Health Research” seminar on Informatics, Institute for Health Research, York University April 26th, 2006.
- *Time-frequency analysis in electrocardiology*. Glendon College, July 2003
- *Data Collection Issues: knowledge, measurement, and privacy*, York University, November 2003

Membership in Professional Organizations

- Member of the **National Institutes of Health Informatics**
- Executive member of the **Association of Canadian-Romanian University Professors in Ontario (ACRUPO)**, an organization that seeks to promote Canadian and Romanian cultural and scientific relationship between Canadian and Romanian academics.
- Member of the **Applied Biomedical Sciences Society “MENS CORDIS”** - Bucharest, Romania.
- Member of the **Romanian Federation of Biomedical Engineering**

TEACHING:

My current teaching load is 1.5 having a 1 course release for being the acting Undergraduate Program Director

UNDERGRADUATE:

- Courses taught at York University (first time offered)

AK/HLST 2040 3.0	Introduction to Health Informatics	(fall 2002)
AK/HLST 3341 3.0	Health Information Systems	(winter 2003)
AK/HLST 1000 6.0	Introduction to Health Studies	(winter 2003) – online course
AK/HLST 4330 3.0	Decision making and decision support systems in Healthcare	(winter 2004)
AK/HLST 3320 3.0	Health Database Applications	(winter 2005)
AK/HLST 3310 3.0	Electronic Health Record	(fall 2007)

GRADUATE:

- FGS appointment:
 - **Graduate program in Health**
 - **Graduate program in Information Systems and Technology**
- Graduate courses taught (*include year taught, course number and title*)
 - 2010-2011** designing a new course **ITEC 6230 3.00 Health Information Systems** for the MA in Information Systems and Technology graduate program
 - 1997-1998** **Electrical measurement techniques in medicine**. – co-taught with Prof Radu Negoescu, Polytechnic University Bucharest

- Graduate Supervision and Committee Membership

- Supervised at York:

Name, Yrs. supervised	Level	Title of project	Role
Tracy Mack	M.A.	Fitness Coach Connects Program Evaluation	principal supervisor
Jaspreet Dulku 2012	undergraduate	York Seminar for Advanced Research	co-supervisor
Andrei Solomon 2010-11	M.Sc.	Business Process Adaptation on a Tracked Simulation Model	committee member
Peter Mackay 2010-11	M.A.	Social media tools for student engagement	principal supervisor
Alexandra Redkov 2010-11	undergraduate	Social media tools for student engagement	principal supervisor
Alon Gurba 2007-08	undergraduate	<i>Electronic Discharge Summaries</i>	principal supervisor
Maria Yaglovski 2008-09	undergraduate	<i>Electronic Discharge Summaries</i>	principal supervisor

- Co-supervised with Prof. Costin Cepisca (Polytechnic University of Bucharest, Romania)

Name, Yrs. supervised	Title of project	Present position
Achim A. 1995-1996	Heart rate variability Holter spectra classification using neural networks. Subject-adapted matrix definition.	Lecturer University of Bristol, UK
Velisar A. 1994-1995	Analysis and Characterization of Distinct Movement Commands for a Wheelchair using Speech Recognition	Biomedical Engineer Palo Alto Rehab R&D Centre, CA, USA

Graduate Committee Membership

- Outside reader for Masters thesis: *"Business Process Adaptation on a Tracked Simulation Model"* Andrei Solomon supervised by Prof. Marin Litoiu, Computer Science, 2010
- Outside reader for Masters thesis *"A Mixed Methods Study Of Continuity Of Care From Cardiac Rehabilitation To Primary Care Physicians"* Dana Riley supervised by Sherry L. Grace, PhD, Assistant Professor, YorkU KaHS, 2007

Other Teaching-Related Activities:

- Developing the curriculum for the Health Informatics stream in the School of Health Policy and Management

- Designing and teaching the first online course in the SHPM
- Invited lectures in other courses at York:
 - **NATS 1700 Computers, Information And Society:** *Computerization in Healthcare: Privacy, Confidentiality and Security of Health Data (December 2005)*
 - **HLST 1010 Foundation of Health Studies:** *Health Informatics and eHealth (December 2004 and November 2007)*
 - **HLST 4200 Applied Research Approaches in Health:** *Qualitative Research Methods (November 2004) and Health Informatics Research (March 2005)*
- Invited presentation at **New Faculty Teaching at York** session “That First Year – Its Surprises, Frustrations and Delights”, August 2003

SERVICE

UNIVERSITY SERVICE

School level

May 2013 – present	Member, SHPM Curriculum Committee
January 2011 – 2012	Faculty Liaison and Coordinator of the Health Internship Program
July 2010 – December 2012	Undergraduate Program Director, SHPM
July 2010 – 2012	Member, BHS Re-visioning Committee, SHPM
September 2010 – present	Member, T&P File Preparation Committee, SHPM
July 2011 – present	Mentor for new faculty members in SHPM (2 mentors)
Fall 2010, Fall 2012	Member, SHPM T&P Adjudicating Committee
September 2010 – April 2011	Chair, School of Health Policy and Management Hiring Committee for Health Informatics tenure track position
May 2008 – present	Member, Undergraduate Curriculum Committee, SHPM
September 2005- present	Coordinator, Health Informatics Certificate, SHPM
2005-2008	Member, Assistive Technology Focus Group, SHPM
2005-present	Member, SHPM Grade Review Committee
Fall 2005	Member, SHPM T&P Adjudicating Committee for 2 faculty members going forward for Full Professor
July 2004 to January 2005	Undergraduate Program Director, SHPM
November 2004 to March 2005	Chair, School of Health Policy and Management Hiring Committee for Health Informatics CLA position
2004 - present	Member SHPM AdHoc ethics committee

Other activities

- Presentations at various recruiting and conversion events (High-school visits, Fall Campus Day, OUF, etc.)
- Organizing the orientation session for the first year SHPM students
- Assisting with SHPM web-site and database development
- Developing the proposal for the Health Informatics Certificate in the School of Health Policy and Management
- Advisor for SHPM Student Association

Faculty level

2013 – present	Member, Committee on Examinations and Academic Standards
2011 – 2012	Member, Strategic Enrolment Management, FoH
2007 – 2012	Member, FoH Curriculum Committee
2006 – 2007	Member, FoH Committee on Admissions and Recruiting
Fall 2003 – present	Representing SHPM and FoH at the Ontario University Fair
2006 – 2009	Member, FoH Dean's Advisory Committee on Technology
2004-2006	Member, Atkinson Dean's Advisory Group on Computing
Fall 2005	Member, Atkinson YUFA Merit Award committee
October 2005	Representing SHPM and York to the Ontario Hospital Association Convention - HealthAchieve2005
July 2004 – June 2005	Chair and member, Atkinson Academic Honesty Panel Hearings
July 2003 – June 2005	Member, Atkinson's CEAS committee
June- August 2003	Member, Atkinson's Technology Enhanced Learning (TEL) Roundtable
2002	Member, Atkinson YUFA Merit Award committee

University level

June 2008 – present	Chair, York eHealth Alliance
June 2005 – 2008	Member, YUFA-York Joint Health and Safety Committee

EXTERNAL / COMMUNITY SERVICE

2004 – present	Executive member, Association of Canadian-Romanian University Professors in Ontario (ACRUPO)
2005-2006	Member, Central LHIN IM/IT/e-Health Advisory Group
June 2005-2007	Member, Health Informatics Management Degree Program Advisory Committee, Conestoga College
May 20th and June 3rd 2005	Participation to the roundtable meetings with the Hon. Carolyn Bennett, Minister of State, to define “Canadian Public Health goals”

DATE C.V. PREPARED
September, 2016