Jonathan S. Ostroff: Curriculum Vitae

Summary

History

Ph.D, University of Toronto, Department of Electrical Engineering, 1987

M.A.Sc., University of Toronto, Department of Electrical Engineering, 1979

B.Sc., University of the Witwatersrand, Johannesburg, Department of Electrical Engineering, 1976

2010-2021: Full Professor, EECS, York University

1991-2009: Associate Professor, Department of Computer Science and Engineering, York University

1987–1991: Assistant Professor, York

1986–1987: Lecturer, York

1979–1981: Systems Engineer for process control software, Imperial Oil Ltd., IOCO refinery, B.C..

1977–1977: Computer Hardware Engineer, Perseus Computing and Automation

Research interests

- Software engineering
- Formal methods for specifying, verifying and certifying safety critical and object oriented concurrent systems
- Mathematics of program construction

Professional affiliations

- Senior member, IEEE
- Faculty Fellow, IBM Centre for Advanced Studies, IBM Toronto Laboratory, 2003-2006
- Observer membership to ECMA TC39-TG4 technical committee for the standardization of Eiffel: Analysis, Design and Programming Language

Publications

Books:	1
Chapter in books:	6
Refereed journals:	18 + 1 (invited)
Refereed conferences:	40 + 4 (invited)

Some Recent Grants:

- 2010 – 2015: NSERC Discovery Grant, $20,000 per year (for 5 years)
- 2009-2016: Ontario Research Fund Research Excellence (ORF-RE, Ministry of Research and Innovation). Title: Certification of Safety-Critical Software-Intensive Systems. Overall PI: Tom Maibaum, McMaster University. $6.9m ($21m including private sector and institutional contributions). Extended for 2 years. Ostroff was the York PI.

Courses designed and taught

Lassonde/EECS Software Engineering Stream
COSC1020 Intro. to Computer Science I
COSC1030 Intro. to Computer Science II
COSC2001 Intro. to Theory of Computation
MATH2090 Intro. to Mathematical Logic
EECS3341 Intro. to Program Verification
EECS3342 Specification and Refinement
EECS3311 Software Design
EECS4351 Real-Time Systems Theory
EECS4352 Real-Time Systems Practice
EECS4312 Software Engineering Requirements
EECS6411 Programming Logic Complex Systems
EECS6442 OO Software Construction
EECS6441 Methods for Large-Scale Software Development
ELE1643 Special Topics in Control, U of T