



**Name: Dr. Shay Horovitz**

**Date: June 1st 2016**

Head of Big Data Lab & Track, School of Computer Science

## **CURRICULUM VITAE**

### **1. Personal Details**

Electronic Address: horovitz@colman.ac.il

### **2. Higher Education**

#### **A. Undergraduate and Graduate Studies**

#### **B. Doctoral Degree and Post-Doctoral Studies**

### **3. Academic Ranks and Tenure in Institutes of Higher Education**

<b>Dates</b>	<b>Institution and Department</b>	<b>Rank/Position</b>
	School of Computer Science , College of Management	Lecturer

### **4. Offices in Academic Administration**

of Management

Head of Big Data Lab, School of Computer Science, College of Management

Member of Teaching Committee, School of Computer Science, College of Management

### **5. Participation in Scholarly Conferences**

#### **a. Active Participation**

<b>Date</b>	<b>Name of Conference</b>	<b>Place</b>	<b>Subject of Lecture/Discussion</b>	<b>Role</b>
2009	International Workshop on Image and Multimedia Processing		Maxtream: Stabilizing P2P Streaming by Active Prediction of Behavior Patterns	
2009	IEEE WETICE		Collabrium: Active Traffic Pattern Prediction for Boosting P2P Collaboration	
2008	IEEE WETICE		Collabory: A Collaborative Throughput Stabilizer & Accelerator for P2P Protocols	
2008	IPDPS		LiteLoad: Content Unaware Routing for Localizing P2P Protocols	

### **6. Teaching**

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a. **Courses Taught in Recent Years**

<b>Year</b>	<b>Course Name</b>	<b>Degree</b>	<b>No. of Students</b>
2012-2016	Internet Applications Lab Course	BSc Computer Science	~60
2012-2016	Advanced Internet Applications Lab Course	BSc Computer Science	~60
2013-2016	Advanced Topics in Large Scale Internet Architectures & Big Data Seminar	BSc Computer Science	~120
2013-2016	Advanced Topics in Large Scale Internet Architectures & Big Data Course	BSc Computer Science	~120
2013-2016	Database Systems Complementary	BSc Computer Science	~60
2013-2014	Advanced Topics in DB Systems	BSc Computer Science	~120

**7. Professional Experience**

2010-Present  
Senior Researcher, Lead Architect & Project Manager – Toga Networks

2007-2008  
Analyst, JVP Venture Capital Fund

2005-2007  
CTO, Co-Founder – Cell2Net Inc

2004-2008  
Teaching Assistant – Hebrew University

2002-2007  
SW Consultant – CTV, Seebox Media, Unisor Multisystems, Berale Solutions

1999-2002  
SW Team Leader – iMesh.Com

1995-1999  
SW Developer – IDF, Signal Corps

## **PUBLICATIONS**

### **A. Ph.D. Dissertation**

### **B. Scientific Books (Refereed)**

#### **A. Authored Books**

##### **Published**

1. "Parallel and Distributed Computing", ISBN 978-3-902613-45-5, InTech, 2009, Chapter on the role of Helper Peers in Peer to Peer Networks

### **C. Articles or Chapters in Scientific Books (which are not Conference Proceedings)**

##### **Published**

- 1 On the Role of Helper Peers in Peer to Peer Networks, S.Horovitz, D.Dolev, A Book Chapter in "Parallel and Distributed Computing", ISBN 978-3-902613-45-5, InTech, 2009.

### **D. Articles in Conference Proceedings**

##### **Published**

1. Maxstream: Stabilizing P2P Streaming by Active Prediction of Behavior Patterns, S.Horovitz, D.Dolev, MUE-09-IMP, 2009
2. Collabrium: Active Traffic Pattern Prediction for Boosting P2P Collaboration, S.Horovitz, D.Dolev, IEEE WETICE COPS, 2009
3. Collabory: A Collaborative Throughput Stabilizer & Accelerator for P2P Protocols, S.Horovitz, D.Dolev, In IEEE WETICE COPS, 2008
4. LiteLoad: Content Unaware Routing for Localizing P2P Protocols, S.Horovitz, D.Dolev, In IPDPS 2008

### **L. Summary of My Research Activities and Future Plans**

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