CURRICULUM VITAE

- **Personal Details**

   Robert Moskovitch
   Date of birth – September 14, 1972
   Nationality - Israel
   Address – Shivtey Israel 74, Apt 1, Jaffa-Tel Aviv, Israel
   Phone +972 52 2668071

   h-index: 21 -   overall citations: 1444 (Google Scholar)

   Senior Lecturer, Software and Information Systems Engineering
   Ben Gurion University of the Negev

- **Education**

   B.Sc. 1998-2002, Information Systems Engineering, Ben Gurion University

   M.Sc. 2002-2004, Information Systems Engineering, Ben Gurion University
   (Cumma Lauda)
   Title of thesis: Vaidurya – Concept Based and Context Sensitive Retrieval

   Ph.D. 2005-2010, Information Systems Engineering, Ben Gurion University
   Title of thesis: Temporal Knowledge Discovery, Clustering and Classification of Multivariate Time
   Series via Temporal Abstraction and Time Intervals Mining

- **Employment History**

  - September 2013 – 2016: Post Doctoral Research Scientist

     Department of Biomedical Informatics, Columbia University in NYC, USA.

  - 2005-2013: R&D Project Manager

     Deutsche Telekom Innovation Laboratories at Ben Gurion University

  - 2004-2005: Researcher

     SafeCrop, Fondazione Edmund Mach di San Michele all'Adige, in collaboration with Fondazione Bruno

     Kessler, San Michele allAdige, Trentino, Italy

  - 2002-2004: Msc Student

     Medical Informatics Research Center, Ben Gurion University

  - 2000-2002: Research Student

     Medical Informatics Research Center, Ben Gurion University

  - 1999-2000: Developer

     KnowNet – a startup company

  - 1997-1999: Claims Adjuster

     M.Dizengoff P&I Ltd (shipping industry)

  - 1990-1996: Captain Released (Major, reserves)

     Israeli Navy [Hovel], Israel Defense Forces

• **Professional Activities**

   (a) <u>Significant professional consulting</u>

      2008-2011 - Treato – Startup company, co-founder – medical text analytics.

      2005-2007 - Hingi – Startup company, crawling and scraping websites.

   (b) <u>Editor or member of editorial board of scientific or professional journal</u>

      2016 – **Robert Moskovitch**, Fei Wang, Yuval Shahar, George Hripcsak, *Special Issue on Temporal Data Analytics*, Journal of Biomedical Informatics (JBI)

      2016 – **Robert Moskovitch**, Fei Wang, Jian Pei, Carol Friedman, *Special Issue on Biomedical Information Retrieval*, Journal of the Association of Information Science and Technology (JASIST)

      2015 – Fei Wang, Liqiang Nie and Luming Zhang, **Robert Moskovitch**, *Special Issue on Analytics with Medical Data*, IEEE Transactions on Big Data

      2008-2010: *Methods of Information in Medicine*, Student Editorial Board Member

   (c) <u>Ad-hoc reviewer for journals</u>

      Annals of the New York Academy of Sciences, 2016

      Data Mining and Knowledge Discovery, 2014, 2015, 2016 (2)

      IEEE Journal of Biomedical and Health Informatics, 2016

      Journal of Biomedical Informatics, 2013, 2014, 2015(3), 2016(2), 2016 (Guest Editor)

      SpringerPlus, 2016

      IEEE Transaction on Biomedical Engineering, 2015

      IEEE Transactions on Big Data, 2015

      Knowledge and Information Systems 2012, 2015

      Information Fusion, 2015

      IEEE Journal of Translational Engineering in Health and Medicine, 2014

      Expert Systems with Applications, 2014, 2015

      Computers in Biology and Medicine, 2014

      The Computer Journal, 2014

      Methods of Information in Medicine, 2008-2010, 2011, 2012, 2014

      Artificial Intelligence in Medicine in 2012, 2016

      IEEE Transactions on Knowledge and Data Engineering in 2009, 2010

      IEEE Transactions on Computers (IEEE-TC) in 2008

   (d) <u>Senior Program Committee, or senior roles, of conferences</u>

      Senior Program Committee, IEEE International Conference on Connected Health, Applications, Systems and Engineering Technologies (CHASE) 2017

      Publication Chair, IEEE International Conference on Healthcare Informatics 2016 Senior Program Committee, IEEE International Conference on Healthcare Informatics 2016

Senior Program Committee, IEEE International Conference on Connected Health, Applications, Systems and Engineering Technologies (CHASE) 2016

(d) Program Committee of conferences

Artificial Intelligence in MEdical Informatics (AIME) 2017

IEEE Intelligence and Security Informatics 2016

ACM SIG Knowledge Discovery in Databases (KDD) 2016

IEEE International Conference on Software Science, Technology and Engineering (SwSTE) 2016

IEEE International Conference on Healthcare Informatics 2015, 2016

IEEE Intelligence and Security Informatics 2008 - 2015

International Conference on Pattern Recognition Applications and Methods 2015

(e) Program Committee of workshops

ACM BCB Workshop on Methods and Applications in Healthcare Analytics, 2016

SDM Workshop on Data Mining for Medicine and Healthcare, 2016

AMIA Workshop on Data Mining for Medical Informatics, 2015, 2014

ACM KDD Workshop on Connected Health in the Big Data Era, 2015, 2014

AIME Matrix Computations for Biomedical Informatics, 2015

Intelligent Data Analysis in Medicine and Pharmacology 2010

ACM Intelligence and Security Informatics-Knowledge Discovery in Databases 2010

PAcific Intelligence and Security Informatics (PAISI) 2010

ACM SIGKDD Workshop on CyberSecurity and Intelligence Informatics 2009

(f) Invited Reviewer of Conferences

American Medical Informatics Association (AMIA) TBI 2015

American Medical Informatics Association (AMIA) 2011 - 2014

TIME 2012

(g) Reviewer of a Book

Temporal Data Mining, Taylor & Francis Books, Inc.

• Educational activities
  (a) University and Department Roles
     Software and Information Systems Engineering, Recruiting Committee, Member
     Software and Information Systems Engineering, Public Relations, Head

  (b) Courses taught
  • Lecturer
     2016: Information Security – Ben Gurion University
     2012: Data Warehouse and Data Mining – Tel Aviv University

  (b) Research students (PhD and Msc)

  • Nofar Sarafine, Msc, expected 2018, Ben Gurion University

  • Moran Itzhaki, Msc, expected 2018, Ben Gurion University (with Prof. Yuval Shahar)

- Grisha Krasner, Msc, expected 2018, Ben Gurion Univeristy (with Prof. Yuval Shahar)

- Nir Nissim, PhD, expected 2015, Ben Gurion Univeristy (with Prof. Yuval Elovici)

- Alex Shknevsky, Msc, 2014, Ben Gurion Univeristy (with Prof. Yuval Shahar)

- Tomer Shimshon, Msc, 2010, Ben Gurion Univeristy (with Profs. Yuval Elovici and Lior Rokach)

- Clint Feher, Msc, 2010, Ben Gurion Univeristy (with Prof. Yuval Elovici)

- Roee Saadon, Msc, 2009, Ben Gurion Univeristy (with Prof. Yuval Shahar)

- Revital Azulay, Msc, 2009, Ben Gurion Univeristy (with Prof. Yuval Shahar)

- Nir Nissim, Msc, 2009, Ben Gurion Univeristy (with Prof. Yuval Elovici)

- Dima Stopel, Msc, 2008, Ben Gurion Univeristy (with Prof. Yuval Elovici)

(c) Research students (Fourth Year Senior Project)
- Shira Harel, Adva Amar, (with Noam Tractinsky), 2014, Evaluating users ascetics consistency in images
- Yogev Lidor, Amit Tatian, 2009, Activity based Verification on Mobile Phones
- Michael Milman, Gilad Moskovich, 2009, A System for Textual Patterns Extraction from the Internet
- Liran Chen, Ilana Shub, Dudu Buchbut, 2008, Classification of ICU Patients through Temporal Patterns
  * Best Information Systems Engineering Senior Project Awards 2008
- Micky Shkatov, Alex Vapnik, 2008, Experiments with Temporal Clustering with Medical Data
- Marina Gitelman, Eugene Berger, 2007, Unknown Malicious Code Detection via OpCodes
  * Best Engineering Faculty Senior Project BURDA Awards 2007

  * Best Information Systems Engineering Senior Project Awards 2007

  ** Published in EuroISI2008 and in Security Informatics Journal 2012

- Paz Salmanovich, Yair Barhum, 2006, Libra: Efficient Tool for the Evaluation of Information Retrieval Systems
- Ido Gus, Shay Pluderman (with Yuval Elovici), 2006, Detection of Unknown Computer Worms Using Classification Methods
  * Best Information Systems Engineering Senior Project Awards 2006

  ** Published in two conference papers – IEEE CIDM07, IEEE ISI07

- Shiva Cohen-Kashi, Uzi Dror, Iftach Levy, Amit Maimon (with Yuval Shahar), 2004, Multiple Hierarchical Classification of Free-Text Clinical Guidelines using a statistical approach
  * Best Information Systems Engineering Senior Project Awards 2004

  ** Published in IDAMAP04 and Artificial Intelligence in Medicine Journal

- Yiftach Shalem, Ofer Perets (with Yuval Shahar), 2004, A Customized Query Interface for Vaidurya
  * Published in a workshop CGP2004

- Shlomi Hatan, Edva Efrati (with Yuval Shahar), 2004, A Template Based Query Interface for Vaidurya
  * Published in ECAI workshop on AI in Healthcare 2006

- Israel Dahari, Dan Pretzelman, Ehud Gobi (with Yuval Shahar), 2004, A Web-Crawler for Clinical Guidelines

- Aharon Yehezkel, Levy Revital (with Yuval Shahar), 2003, Hierachical Classification of Clinical Guidelines using Naive Base and KNN
- Chen Sasoon, Oz Bohana, Ayelet Litmanovitz (with Yuval Shahar), 2003, Evaluation of a search engine
- Zeev Nahum, Rami Umschweif, Nir Regev (with Yuval Shahar), 2003, Hierarchical Classification of Clinical Guidelines using Clustering
- Lior Bar-On, Liora Mendelovitz (with Yuval Shahar), 2003, A web query Interface for Vaidurya in .Net
- Sara Eisenstein (with Yuval Shahar), 2003, Putting Clinical Information needs into Templates