



**Name: Nezer J. Zaidenberg**  
The college of management Academic Studies

**Date:** April 2, 2017

## **CURRICULUM VITAE**

### **1. Personal Details**

Permanent Home Address: 30 haodem st. Hod Hasharon, Israel 45350

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Cellular Phone: +972-54-5531415

Electronic Address: scipipo@scipio.org

Marital Status: Single

### **2. Higher Education**

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

<b>MBA</b> SPECIALIZING IN FINANCE	Tel Aviv University	June 2007
<b>M.Sc</b> OPERATIONS RESEARCH Thesis under supervision of Prof. Amir Averbuch Thesis topic "sFDPC and the Internet real time streaming packet cascading"	Tel Aviv University	May 2002
<b>B.Sc</b> Computer science, statistics and operations research	Tel Aviv University	September 1999

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

<b>DOCENT</b> MATHEMATICAL INFORMATION TECHNOLOGY "VIRTUALIZATION AND PROTECTION OF DIGITAL CONTENT"	University of Jyväskylä	December 2013
<b>Ph.D</b> MATHEMATICAL INFORMATION TECHNOLOGY Thesis under supervision of Prof. Amir Averbuch and Prof Pekka Neittaanmäki Dissertation topic: "Developing advanced systems with aspects of virtualization"	University of Jyväskylä	June 2012

#### **C. Other Education** Enter text here.

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

<b>Dates</b>	<b>Institution and Department</b>	<b>Rank/Position</b>
2014-2015	Shenkar college	Lecturer
2015- Present	The collage of management Academic Studies	Lecturer

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

<b>University of Jyväskylä – representative in Israel</b>	Jyväskylä, Finland	2016-Present
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#### **5. Scholarly Positions and Activities outside the Institution**

<b>University of Jyväskylä – Multiple roles</b>	Jyväskylä, Finland	2012-Present
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<b>University of Jyväskylä – Researcher</b>	Jyväskylä, Finland	2015-Present
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- Leader of Hardware rooted security
- Written funding application, co-operation with 2 other schools. Total funding 1.3M€ (JyU 1M)
- Under review for research professor position

<b>University of Jyväskylä – Researcher</b>	Jyväskylä, Finland	2013-2014
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- Leader of Truly protect project
- Written TP funding application (Business out of academia - TUTLI project) 1.25M€
- Co-Author or Co-inventor of all TrulyProtect papers/patents
- Leading team of 11

<b>University of Jyväskylä – Post doc researcher</b>	Jyväskylä, Finland	2012
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Position was cut due to disability leave (car accident)

<b>Tel Aviv university – researcher EGEE (Isragrid)</b>	Tel Aviv, Israel	2008-2010
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<b>Tel Aviv university – researcher STRIMM consortium</b>	Tel Aviv, Israel	2003-2004
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- Leader of Peer-2-Peer streaming research based on M.Sc thesis
- Participated in grant application (Magnet)

#### **Adjunct professor – Multiple schools**

Tel Aviv-Jaffa Academic college – Adjunct professor 2008-Present

- Unix system programming, OS, Advanced topics in OS (M.Sc level), Cyber M.Sc workshop, Linux workshop, Calculus, Competitive programming

Holon institute of Technology – Adjunct professor 2015-Present

- Real time OS, Competitive programming

Tel Aviv University – Adjunct professor 2010-2012

- OS, Advanced topics in OS, (M.Sc level) Linux workshop

Seminar Hakibutzim – adjunct professor 2011-12

- Secure Coding, OS

Ruppim College – adjunct professor 2011-12

- OS, Real time OS

Shenkar College - adjunct professor 2013

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- Databases

Open University – adjunct professor 1998-9

- Assembler

University of Jyväskylä – adjunct professor 2010-2015

- Virtualization, Trusted computing (M.Sc level), high speed interconnects (M.Sc level), hardware rooted security, Secure systems design, Secure OS 1 (M.Sc level), Secure OS 2. (M.Sc level)

## 6. Participation in Scholarly Conferences

### a. Active Participation

Date	Name of Conference	Place	Subject of Lecture/Discussion	Role
2016	IEEEExtreme	International	Coach and proctor for 8 team Host of all Israeli teams	Proctor
2015	IEEEExtreme	International	Coach and proctor for 2 team	Proctor
2014	IEEEExtreme	International	Coach and proctor for 1 team	Proctor

### b. Organization of Conferences or Sessions

Date	Name of Conference	Place	Subject/Role of Conference, Comments	Role
2016	CSCloud	US	Cyber security	Session chair
2016	SPECTS	US	Simulations and modelling	Session chair
2014	ECIW	Finland	Cyber security	Session chair

## 7. Invited Lectures\ Colloquium Talks

Date	Place of Lecture	Name of Forum	Presentation/Comments
2017	HIT	Colloquium (CS)	Bridge scandal
2016	Colman	Colloquium	Bridge scandal
2016	JYU	Colloquium	Bridge scandal
2015	HIT	Colloquium (EE)	Hardware rooted security
2015	Colman	Colloquium	Cachine
2014	Colman	Colloquium	Virtualization based protection
2013	Shenkar	Colloquium	Virtualization based protection
2012	MTA	Colloquium	Virtualization

## 8. Research Grants

### a. Grants Awarded

Role in Research	Co-Researchers	Topic	Funded by/Amount	Year
PI	Prof. Pekka Neittaanmaki	Hardware rooted security	TEKES.fi 1.33M€	2015
PI	Prof. Pekka Neittaanmaki	TrulyProtect	TEKES.fi 1.25M€	2012
Main researcher (but not official PI)	Prof. Amir Averbuch	Peer-2-Peer Streaming	Magnet (Strimm consortium)	2002

### b. Submission of Research Proposals – Pending

Role in Research	Co-Researchers	Topic	Funded by	Year
PI	Dr. Resh and Dr. Kiperberg	forensics	(not yet funded) AKA.fi	2017
PI	students	Blind-tech	(not yet funded) AKA.fi	2017
PI	Dr. Resh and Dr. Kiperberg	Hypervisor research	Mafaat	2017

### c. Submission of Research Proposals – Not Funded

Role in Research	Co-Researchers	Topic	Funded by	Year	Score
PI	Various	Multiple rejected proposals in Protecte cars	TEKES.fi	2014,1 5,16	Rejected
PI	Various	Multiple rejected proposals in cyber security	TEKES.fi	2015,1 6	Rejected

## 9. Scholarships, Awards and Prizes

1. Ellen and artturi Nyssosen foundation grant (18,600€)
2. Erasmus Mundus 2014
3. Shenkar college software engineering department excelling faculty member 2014
4. Shenkar teaching excellence 2015

## 10. Teaching

### a. Courses Taught in Recent Years

Year	Course Name	Type: Lecture/Seminar/Workshop/ High Learn Course/Introduction	Degree	No. of Students
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2013-14	ITKST50- SECURE SYSTEM DESIGN	LECTURE – JYU	M.Sc	~30
2013-14	ITKST51- OPERATING SYSTEM SECURITY 1	LECTURE – JYU	M.Sc	~30
2013-14	ITKST52- OPERATING SYSTEM SECURITY 2	LECTURE – JYU	M.Sc	~30
2011-12	• TIES597 - FIBRECHANNEL •	WORKSHOP - JYU	M.Sc	~10
2011-2	TIES596 - TRUSTED COMPUTING	WORKSHOP - JYU	M.Sc	~20
2014-5	TIES391 - HARDWARE ROOTED SECURITY	LECTURE - JYU	Advanced B.Sc	~20
2015-6 2016-7	COMPETATIVE PROGRAMMING	Workshop - Colman, HIT, Shenkar, MTA	B.Sc/M.Sc	~10 each
2014-5	CYBER WORKSHOP	Workshop	M.Sc	~50
2009-10, 2010-1	LINUX WORKSHOP	Workshop	B.Sc	~15-20 each (3 times)
2014-5, 2015-6	SECURE ENGINEERING	Lecture	B.Sc	~40 each
2015-16 2016-7	CYBER SYSTEMS	Lecture	B.Sc	~40 each
2011-5	UNIX SYSTEM PROGRAMMING	Workshop	B.Sc	~40 each
2010-14	ADVANCED TOPICS IN OS	Lecture	M.Sc	~40
2010-5	REAL TIME OS (CS, EE VERSIONS)	Lecture, Workshop	B.Sc	10-70
2014-6	CYBER FOR RT SYSTEMS	Lecture, Workshop	B.Sc	~30
2010-5	OPERATING SYSTEMS	Lecture, Workshop	B.Sc	20-200
2013-4	DAABASES	Lecture	B..Sc	~30
2007-8	CALCULUS I	Lecture	B.Sc	~100
2014-6	CLOUD INFRASTRUCTURE	Lecture, Workshop	B.Sc	~50
2014-5	LARGE SCALE INTERNET INFRA	Lecture, Workshop	B.Sc	~50
2015=5	COMPILERS	Lecture	B.Sc	~50
2015-6	CRYPTOGRAPHY	Lecture	B.Sc	~50
2014-7	SEMINARS	Big data seminar, cyber seminar, M.Sc seminar, Linux seminar	B.Sc	~20
2016-7	INTRO TO CYBER	Lecture + Labs	B.Sc	~50



b. **Supervision of Graduate Students**

<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Degree</b>	<b>Completion Date / in Progress</b>	<b>Students' Achievements</b>
Michael Kiperberg @ University of Jyväskylä	Preventing Reverse Engineering of Native and Managed Program	Ph.D	Graduated 2015, co supervision w/ Prof. P. Neittaanmäki	Michael is now tenure track faculty member in HIT and adjoint prof. in colman.
Amit Resh @ University of Jyväskylä	Enforcing Trust for Execution- Protection in Modern Environments	Ph.D	Graduated 2016, co supervision w/ Prof. P. Neittaanmäki	Amit is now tenure track faculty member in Shenkar and adjoint prof. in colman.
Alexei Sragovitch @ Tel Aviv Jaffa- academic college	Signature verification ability on Shared objects in Linux OS based systems	M.Sc	2017	
Vered Gatt @ University of Jyväskylä	Large cell defect inspection in semiconductors manufacturing	M.Sc	2016	Cum laude
Evyatar Tamir @ Tel Aviv Jaffa- academic college)	TrulyTrusted OS Drivers	M.Sc	2016	Summa Cum Laude
Asaf Algawi @ University of Jyväskylä	Enforcing Trust in modern environments	M.Sc	2015	Asaf is now adjunct professor in Colman and other schols
Roe Leon @ University of Jyväskylä	Hardware rooted security for unix based systems	M.Sc	2015	
Asaf David @ Tel Aviv Jaffa- academic college		M.Sc	2014	
Limor Gavish –@ Tel Aviv university	New Caching Policies for	M.Sc	2013	



	Memcached			
Tomer Margalit @ Tel Aviv University	Replication of Block Devices and Virtual Machines on Low Bitrate Systems	M.Sc	2013	
Tamir Erez @ Tel Aviv Jaffa- academic	Grid2Go	M.Sc	2013	Summa cum laude
Eviatar Khen @ Tel Aviv University	Using Virtualization for building kernel development tools	M.Sc	2014	
Yuval Meir @ Tel Aviv University	A Virtualization- Based Approach to Software Protection on the Personal Computer Platform	M.Sc	2014	Yuval in now adjunct prof. in Colman
Amit Resh @ University of Jyväskylä	TrulyProtect software copy protection	M.Sc	2013	
Michael Kiperberg – Thesis submitted @ Tel Aviv University	software protection through virtualization	M.Sc	2012	Cum laude
Limor Gavish @ University of Jyväskylä	Caching policies	Ph.D	In progress (co supervision w/ Prof P. Neittaanmäki)	
Amir Hussain Rahnama @ University of Jyväskylä	Hyperparameter optimization	Ph.D	n progress (co supervision w/ Prof P. Neittaanmäki)	
Juhani Rehula @ Agora Center - University of Jyväskylä	Willingness to spend for privacy and security	Ph.D	In Progress((co supervision w/ Prof P. Tyrvainen and Prof P. Neittaanmäki))	



Asaf Algawi @ University of Jyväskylä	Managed code protection	Ph.D	In progress ((co supervision w/ Prof P. Neittaanmäki))	
Roe Leon @ University of Jyväskylä (co supervision w/ Prof P. Neittaanmäki)	Execution protection of managed code	Ph.D	In progress ((co supervision w/ Prof P. Neittaanmäki))	
Raz Ben Jehuda @ University of Jyväskylä	IoT cyber protection	Ph.D	In progress (co supervision w/ Prof P. Neittaanmäki and Prof. T. Hamalainen)	
Vered Gatt @ University of Jyväskylä	Learning in semiconductor industry	Ph.D	In progress (co supervision w/ Prof P. Neittaanmäki)	
Amit Dayan @ Tel Aviv Jaffa- academic college	Linux block layer optimizations	M.Sc	In progress (w/ Dr. Carmi Merimovitch)	
David Bass @ Tel Aviv Jaffa- academic college	Java software protection	M.Sc	In progress (w/ Dr. Carmi Merimovitch)	
Avihu Efrat @ University of Jyväskylä	Cachine policies	M.Sc	n progress	
Tomer Shani @ University of Jyväskylä	Forensics	M.Sc	In progress	
Omer Coffman @ University of Jyväskylä	Big Data	M.Sc	Inprogress	

## 11. Miscellaneous

1. TrulyProtect business plan I co-authored won technology award CCSU 2013





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2. IEEE senior member since 2015

## **12. Professional Experience**

### **FULL TIME POSITIONS**

- Axanna - VP R&D 2007-2008
  - Managed 3M\$ per annum budget
- Uterasoft – Founder and CTO 2005-2007
  - Led two rounds of financing
- Corigin – Project manager and chief software architect 2002-2005
  - Led two flagship projects
- vTtrails – Founder, President and CTO 1999-2002
  - Led 3 rounds of financing, Managed team of 40
- ECI telecom – System administrator, DBA 1998-1999
- Tel Aviv University – System administrator 1997-1998

### **CONSULTANT**

- *TrulyProtect (Jyväskylä, Finland) Scientific advisor to University of Jyväskylä spin off company.  
Inventor of 4 patents, product management*
  - *Videocells (Herzeliya, Israel); redesigned and led the company through product and infrastructure transformations*
  - *Friendly Technologies (Ramat Gan, Israel) Faced product design and performance challenges.*
  - *Infowrap/Blusky (Israel/Italy) Supervised technology transfer to Italian buyer.*
  - *Expay-Global (Israel/Bulgaria) Solution infrastructure and R&D focus, security, PCI authorization.*
  - *NDS/Cisco (Jerusalem, Israel); provided training on Mac architecture internals; generated repeated business for the implementation of three products. Designed PS3 port of PC-Show product.*
  - *SintecMedia (Jerusalem, Israel); Technology advisor for the CTO; Software architecture for STB. Data mining.*
  - *Forex.fr (Israel-France) software design and cyber security*
  - *Kardan VC (Tel Aviv, Israel); headed technology due-diligence for investment.*
  - *EDF Energy (Plymouth, UK); UK's #1 utility provider. Transfer from mainframe to open systems.*
  - *MCE-systems User space driver development*
  - *Diligent/IBM (Tel Aviv Israel) Fibrechannel driver development under Linux*
  - *Perion (Rehovot, Israel) Mac (OSX) internals*
  - *Finjan (Natanya, Israel) Windows to Solaris porting*  
*Axxana (Ramat Gan) research on Brocade and Cisco switches*
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## **PUBLICATIONS**

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

Applications of Virtualization in Systems Design

<https://jyx.jyu.fi/dspace/bitstream/handle/123456789/38273/9789513947637.pdf?sequence=1>

### **C. Other Scientific Publications:**

#### **Published**

1. M.Sc thesis : “sFDPC and the Internet real time streaming packet cascading” Zaidenberg N. Tel Aviv University September 2001
2. Resh, A.; Kiperberg, M.; Leon, R.; Preventing Execution of Unauthorized Native- Code Software. *Reports of the Department of Mathematical Information Technology, Series B. Scientific Computing, No. B 11/2016, ISBN 978-951-39-6809-0, 2016*
3. Resh, A.; Kiperberg, M.; Leon, R.; Zaidenberg, N.J.. System for Executing Encrypted Native Programs. *Reports of the Department of Mathematical Information Technology, Series B. Scientific Computing, No. B 12/2016, ISBN 978-951-39-6810-6, 2016*

### **D. Articles in Refereed Journals**

#### **Published**

1. Averbuch, A., Roditi, Y., & Zaidenberg, N. (2013). PPC — peer-2-peer streaming and algorithm for creating spanning trees for peer-2-peer networks. In S. Repin, T. Tiihonen, & T. Tuovinen (Eds.), *Numerical Methods for Differential Equations, Optimization, and Technological Problems. Dedicated to Professor P. Neittaanmäki on His 60th Birthday* (pp. 363-377). *Computational Methods in Applied Sciences* (27). Berlin: Springer. doi:10.1007/978-94-007-5288-7\_20
2. Averbuch A., Kiperberg M., Zaidenberg N. "Truly Protect : An Efficient VM-Based Software Protection" *IEEE System journal* September 2013 455-466  
<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6553406>
3. M Kiperberg M. and Zaidenberg N. "Efficient Remote Authentication" *Journal of information warfare* October 2013

#### **Accepted for Publication**

4. Resh, A.; Kiperberg, M.; Leon, R.; Zaidenberg, N.J. Preventing Execution of Unauthorized Native-Code Software. To be published in: *JDCTA, International Journal of Digital Contents Technology and its Applications*, 2017.



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5. Resh, A.; Kiperberg, M.; Leon, R.; Zaidenberg, N.J.. System for Executing Encrypted Native Programs. To be published in: JDCTA, International Journal of Digital Contents Technology and its Applications, 2017.

## **E. Articles or Chapters in Scientific Books**

### **(which are not Conference Proceedings)**

#### **Published**

1. Trusted computing. CYBER SECURITY ANALYTICS Vol. 3 Cybersecurity technologies (w/ Pekka Neittaanmäki)
2. Timing and side channel attacks CYBER SECURITY ANALYTICS Vol. 3 Cybersecurity technologies (w/ Amit Resh)

This book is a springer best seller with over 5000 copies sold.

#### **Accepted for Publication**

3.

1. Game console hacks to appear at CYBER SECURITY ANALYTICS II
2. Survey of Cyber Threats in Air Traffic Control and aircraft communications system

## **F. Articles in Conference Proceedings**

#### **Published**

1. A. Averbuch, M. Kiperberg, N. Zaidenberg (2011) "An Efficient VM-Based Software Protection" IEEE NSS 2011 pages 121-128  
<http://www.cs.tau.ac.il/~kiperber/truly.pdf>
2. A. Resh & N. Zaidenberg (2013) "Can keys be hidden inside the CPU on modern Windows host" ECIW 2013 pages 231-235
3. N. Zaidenberg & A. David (2013) Truly protect video delivery ECIW 2013 pages 405-407
4. M. Kiperberg & N. Zaidenberg (2013) "Efficient Remote Authentication" ECIW 2013 pages 144-148
5. E. Tamir, N. Zaidenberg & P Neittaanmäki (2014) "TrulyTrusted Operating System Environment" ICCSM 2014 pages 154-157
6. A. Algawi, P. Neittaanmaki, N. Zaidenberg & T Parisinos (2014) "In kernel implementation of RSA routines" ICCSM 2014 pages 149-153
7. A. David & N. Zaidenberg (2014) "Maintaining streaming video DRM" to appear ICCSM 2014 pages 158-162
8. Kiperberg M Resh A and Zaidenberg NJ Remote Attestation of Software and Execution-Environment in Modern Machines IEEE CSCloud 2015
9. Kiperberg, M.; Resh, A.; Algawi, A.; Zaidenberg, N.J.. System for Executing



- Encrypted Java Programs. 3rd International Conference on Information Systems Security and Privacy (ICISSP 2017), 2017.
10. Averbuch A., T. Margalit, N. Zaidenberg N. & Khen E. (2011) "A low bitrate approach to replication of block devices and virtual machines" IEEE NAS 2011 ["http://www.computer.org/csdl/proceedings/nas/2011/4509/00/4509a180-abs.html"](http://www.computer.org/csdl/proceedings/nas/2011/4509/00/4509a180-abs.html)
  11. Khen E., Zaidenberg N. & Averbuch A. (2011) Using virtualization for online kernel profiling, code coverage and instrumentation SPECTS 2011 [http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=5984854&tag=1](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5984854&tag=1)
  12. Khen E., Zaidenberg N., Averbuch A. & Fermocovich E. (2013) "LgDb 2.0: A code coverage and profiler architecture for the Linux kernel" SPECTS 13
  13. Erez T. & Zaidenberg N. (2013) "Grid2Go – A web based internet of things grid computing engine requiring only a browser. ICI 2013
  14. Nezer Jacob Zaidenberg, Limor Gavish and Yuval Meir - New caching algorithms performance evaluation SPECTS 2015
  15. Khen E and Zaidenberg N J Detecting Kernel Vulnerabilities During the Development Phase IEEE CSCloud 2015
  16. Averbuch, A., Roditi, Y., & Zaidenberg, N. (2011). An algorithm for creating a spanning graph for peer-2-peer internet broadcast. In S. Repin, T. Tiihonen, & T. Tuovinen (Eds.), Proceedings of CAO2011: ECCOMAS Thematic Conference on Computational Analysis and Optimization : University of Jyväskylä, June 9-11, 2011 (pp. 73-76). Reports of the Department of Mathematical Information Technology. Series A, Collections (1/2011). [Jyväskylä]: University of Jyväskylä
  17. Zaidenberg N. (2014) HoneyGuard - Opensource VSaaS ICCMS 2014 158-162
  18. Zaidenberg N. & Eshel I. (2012) "Zaidenberg's learning model for the evolution of altruistically cooperation" ECCOMAS 2012 (4826)
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## **G. Entries in Encyclopedias**

Our research about the bridge scandal is mentioned in Wikipedia and other bridge resources [https://en.wikipedia.org/wiki/Cheating\\_in\\_bridge](https://en.wikipedia.org/wiki/Cheating_in_bridge)

## **H. Other Scientific Publications**

- Defcon presentation on bridge scandal 2016 = catching a cheat

### **Posters**

1. "Asynchronous replication solution for Unix, replicating storage and QEMU and Lguest VMs". Amir Averbuch, Eviatar Khen, Tomer Margalit and Nezer Zaidenberg SYSTOR 2011
2. "LgDb" Amir Averbuch, Eviatar Khen and Nezer Zaidenberg SYSTOR 2011
3. Truly-Protect: An efficient VM-Based copy protection. Amir Averbuch, Michael Kiperberg and Nezer Zaidenberg SYSTOR 2012 <http://pjd-1.ccs.neu.edu/~pjd/systor12/posters/systor12-poster4.pdf>
4. A method for hiding decryption keys in copy protected software Amit Resh and Nezer Zaidenberg SYSTOR 2013
5. Grid2Go: A Web Based Internet of Things GRID Computing Engine. Tamir Erez and Nezer Zaidenberg SYSTOR 2013
6. TrulyProtect 2.0 and attacks on TrulyProtect 1.0 Amit Resh, Nezer Zaidenberg, Limor Gavish, Michael Kiperberg and Eviatar Khen ECIW 2013 <http://academic-conferences.org/eciw/eciw2013/eciw13-proceedings.htm>

## **I. Other Publications**

"Truly-Protect: Business plan" K. Choi, I. Legmpelos, T. Palosnick, M. Polo-Guardia, D. Zaidenberg and N. Zaidenberg. Winner of CCSU 2013 Technology award.

### **Patents**

1. "Virtual Machine Software Protection" N. Zaidenberg and M. Kiperberg (US 13/889,609 granted)
  2. "System and Methods for CPU Cache Pinning of a Computing Device" N. Zaidenberg M. Kiperberg and A. Resh (PCT/IB2014/065767 US 14/088,406 pending)
  3. System and Methods for Remote Software Authentication of a Computing Device N Zaidenberg M. Kiperberg and A. Resh (PCT/IB2014/065771 US 14/088,405 pending)
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4. System for Execution of Encrypted Managed Programs N Zaidenberg M. Kiperberg and A. Resh FI20140326 (pending)
5. 3 more US patents in the field of peer-2-peer streaming submitted with vTrails (and expired. Or fees not paid)

### Appearances in press (with bridge scandal story - partial list)

#### China (+English)

[http://news.xinhuanet.com/english/2016-](http://news.xinhuanet.com/english/2016-06/17/c_135443143.htm)

[06/17/c\\_135443143.htm](http://www.china.org.cn/world/Of_f_the_Wire/2016-06/17/content_38684032.htm) [http://www.china.org.cn/world/Of](http://www.china.org.cn/world/Of_f_the_Wire/2016-06/17/content_38684032.htm)

#### Finland (+English)

[http://www.karjalainen.fi/uutiset/uutis-  
alueet/kotimaa/item/108487-jyvaskylan-yliopiston-tutkija-  
loysi-bridgen-huippupelaajien-kayttaman-vilpin](http://www.karjalainen.fi/uutiset/uutis-alueet/kotimaa/item/108487-jyvaskylan-yliopiston-tutkija-loysi-bridgen-huippupelaajien-kayttaman-vilpin)  
<http://yle.fi/uutiset/3-8962216>

[http://www.ksml.fi/teemat/sunnuntaisuomalainen/Jyv%  
C3%A4skyl%C3%A4istutkija-paljasti-  
korttipelin-Euroopan-mestarit-huijareiksi/910039](http://www.ksml.fi/teemat/sunnuntaisuomalainen/Jyv%C3%A4skyl%C3%A4istutkija-paljasti-korttipelin-Euroopan-mestarit-huijareiksi/910039)  
[http://www.radiokompassi.fi/uutiset/jyvaskylan-  
yliopiston-tutkija-paljasti-bridgen-huippupelaajien-  
kayttaman-vilpin](http://www.radiokompassi.fi/uutiset/jyvaskylan-yliopiston-tutkija-paljasti-bridgen-huippupelaajien-kayttaman-vilpin)

#### Israel (+English)

[http://www.haaretz.com/israel-news/sports/.premium-  
1.722651](http://www.haaretz.com/israel-news/sports/.premium-1.722651)  
[www.haaretz.co.il/captain/net/.premium-1.2959424](http://www.haaretz.co.il/captain/net/.premium-1.2959424)

#### Italy + English (International)

[http://neapolitanclub.altervista.org/eng/ev-eng/fisher-  
schwartz-new-research.html](http://neapolitanclub.altervista.org/eng/ev-eng/fisher-schwartz-new-research.html)  
[http://neapolitanclub.altervista.org/itl/caso-fisher-schwartz-  
una-nuova-ricerca.html](http://neapolitanclub.altervista.org/itl/caso-fisher-schwartz-una-nuova-ricerca.html)

#### Netherlands

[http://www.imp-bridge.nl/nieuws-archief/hoe-fisher-  
schwartz-vals-speelden](http://www.imp-bridge.nl/nieuws-archief/hoe-fisher-schwartz-vals-speelden)

#### International /USA

[http://bridgewinners.com/article/view/three-israelis-say-  
theyve-broken-the-full-fisher-schwartz-code/](http://bridgewinners.com/article/view/three-israelis-say-theyve-broken-the-full-fisher-schwartz-code/)

## **J. Other Works Connected with my Scholarly Field**

### **Contributions to Linux Kernel**

1. In kernel RSA implementation
  2. LgDb
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minor contributions to several components including Iguest parallel and contributions to other Open source projects etc.

many works contributed as open sources

### **K. Submitted Publications**

- Hackers in the Sky: Analysis of Cyber Threats in Air Traffic Communications and Control Elad Harison Nezer Zaidenberg Ofir Shamir
- Kiperberg, M.; Resh, A.; Algawi, A.; Zaidenberg, N.J.. System for Executing Encrypted Java Programs. 38th IEEE Symposium on Security and Privacy (IEEE S&P 2017),
- An LP-based estimator for finding hyperparamters of interpolation smoothing algorithm in large-scale language modelling (w/ Rahnama, Toloo, Neittaanmaki)

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

I am researching in the field of cyber security, trusted computing and IoT. I have multiple patents and publications in the field.

I got massive publicity on my research on catching the famous bridge pair “Ron Schwartz and Lotan Fisher” in cheating. This reached popular press world wide.

I am currently active in the legal case of Poker tournaments in Israel and I carry on scientific research with Elta cyber division and Rafael (in both cases in CTO level with Dr. Nisan Mashkil (Elta) and Eli Berry (Rafael))

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The College of Management  
Academic Studies

## **HOBBIES & ADDITIONAL INFORMATION**

Bridge player, Life master, 3<sup>rd</sup> national cup 2005, 5<sup>th</sup> national championship 2006

member of national student team to European championship 2005

Israeli and Bulgarian (EEA) citizenships

Languages: Hebrew (mother tongue), English (Fluent) Swedish (B1 level)

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