

Curriculum Vitae

Personal Information

Name: Igor Kanovsky

Date of Birth: 04/10/1954

Place of Birth (city, country): Chernivtsi, Ukraine

Family Status: married + 2

Address: home: Hadagan str. 40/14, Afula 18333

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1. Academic Degrees

Ph. D. 1979-1981, Physics and Mathematics, Chernivtsi National University, Ukraine.

Advisor Prof. Nitsovich V.M.

M.A., 1970-1975, Physics and Didactics, Summa cum Laude Diploma, Chernivtsi

National University, Ukraine.

2. Academic Appointments

Associate Professor with tenure, 1999-present, Department of Information Systems,
Emek Yezreel college.

Senior Adjunct Lecturer, 2003-present, Department of Information Systems,
University of Haifa,

Senior Adjunct Lecturer, 1997-2004, Department of Mathematics, University of Haifa,

Associate Professor, 1988-1991, Department of Computer Science, Chernivtsi
National University, Ukraine.

Senior Researcher, 1981-1988, Department of Theoretical Physics, Chernivtsi
National University, Ukraine,

Junior Researcher, 1978-1981, Department of Theoretical Physics, Chernivtsi
National University, Ukraine.

3. Visiting Lecturer/Professor/Researcher

Oct. 2006 – Feb. 2007, Visiting Researcher, Levich Institute, The City College of New
York, CUNY, NY, NY, USA.

4. Academic Posts

2000-2004 Head of Department, Department of Computer Science and Information Systems, Emek Yezreel college,
2000-2004, 2007-present, Member of the College Academic Council (Senate), Emek Yezreel college.

5. Professional or public positions (past and present)

1996-1999, Manager, Multimedia Laboratory, Faculty of Humanities, University of Haifa,
1994-1996, CEO and Founder, Logen Computerization Ltd., Afula,
1992-1994, Project Entrepreneur and Manager, Technological Incubator "Yozmot Ha-Emek", Migdal Ha-Emek.

6. Academic Services

2002-2007, 2010-2013, 2015-2017, Member of the College Executive Committee ("Vaad Hmenahel"),
2003-2013, 2015-2017, Member of the College Board of Governors ("Hever Haneemanim"),
2007-2013 Member and Chairman (from 2009) of the College Senior Academic Faculty Committee ("Vaad Hasegel"),
2007-2013 Member and Vice Head (from 2010) of The Israel Council of the Senior Academic Faculty in Colleges. Member of the negotiation team for establishing the First Collective Labor Agreement of the Senior Academic Faculty in Colleges.
2000-2002, 2016-present, Chair of the College Computers Committee,
2000-2004 Member of the College Central Committee,
1999-2000 Chair of the College Internet Committee.
1998-2003 Academic Advisor for Computer Division of the Extra Academic Studies of the University of Haifa,
1996-1997 Coordinator of the VATAT (Israeli commission for High Education Funding) project for establishing Multimedia Laboratory of the Faculty of Humanities, University of Haifa. Academic head Prof. Rafi Talmon,
1995-1997 Coordinator of the VATAT project for establishing Computer Aided Language Learning Center, University of Haifa. Academic head Dr. Marsha Ben-Shushan.

7. Social and Public Activity

- 2010-2012 Member of The Project Committee of the Technological Incubator "Yozmot Ha-Emek", Migdal Ha-Emek,
- 2009-2013 Member of The Education Committee of the Afula city,
- 2001-2003 Head of the Regional activity of the Project "Science for Pupils", founded by Israeli Ministry of Science,

8. Academic Teaching experience

- 2017-present Complex Networks, undergraduate seminar,
- 2017-present Fundamentals of Information Systems, undergraduate course,
- 2008-present Computer Networks, undergraduate course.
- 2005-present Internet Based Systems Development, undergraduate course,
- 2013-2017 Data Mining, undergraduate course,
- 2007-2016 Information Retrieval, undergraduate course,
- 2011-2016 Development Applications for Smartphones, undergraduate course,
- 2009-2010 Information Systems for Businesses, graduate course,
- 2008-2010 Distributed Systems and Web Services, undergraduate course.
- 2007-2008 SQL servers: Programming and Administration, undergraduate course,
- 2004-2008 Applications Development with C#, undergraduate course,
- 2003-2006 Software Design and Development, undergraduate course,
- 2002-2011 Java Advanced Programming, undergraduate course,
- 2002-2007 XML based technologies, undergraduate course,
- 2000-2006, 2009-present, Introduction to Internet Technologies, undergraduate course,
- 2000-2004 Internet Based Technologies, undergraduate seminar,
- 1999-2008 Object Oriented Programming with Java, undergraduate course,
- 1999-2001 Introduction to Computer Science, undergraduate course,
- 1998-2003 Internet Technologies, graduate seminar, University of Haifa
- 1997-2006 Compilers Structure, undergraduate course.

8.1 Industry Teaching experience

- Course "**Internet Based Systems Development**" IITC (for Tsofen High Technology center) (October - December 2018)
- Course "**Programming for Android mobile systems**" – E4D Learning (for Tsofen High Technology center) (May-June 2013, November 2013), Interbit (April-

May 2015), IITC (for Tsofen High Technology center) (August – September 2016)

- Course "**Java Programming**" – John Bryce Hi Tech College (September 2011, March 2012, September 2012, April 2014)
- Course "**HTML5, CSS, JavaScript, JQuery**" - E4D Learning (for Tsofen High Technology center), (August 2013)
- Course **AJAX**, Amdocs (February 2008)
- Course "**Web Services**", Amdocs (September 2007, March 2008, June 2008, August 2008), Amdocs Cyprus (August 2008), Israel Ministry of Defense (September 2008)
- Course "**Java Server Facets**", Hapoalim Bank (February 2007), Interbit (August 2007)
- Course "**Servlets and JSP**", Amdocs (August 2006, September 2006, June 2007, October 2007)
- Course "**Java Developer Track**", Amdocs (August-September 2006), modules JavaScript and HTML, J2EE Design Patterns, Amdocs (May 2007)
- Course "**Java & XML**" – Amdocs (June 2005, July 2005, February 2006), CISCO Israel (July 2005), Interbit (January 2006, February 2007)
- Course "**Design Patterns with Java**", Convergys Israel (July 2006), Interbit (August 2006)
- Seminar "**Java Standards**", Amdocs (July 2006)
- Course "**Core Java for Managers**", Amdocs (October 2005)
- Course "**Java Programming and OOP**", Israel Ministry of Defense (June-July 2005), RAMBAM Medical Center (October-November 2005), Comvers (November-December 2005)
- Course "**Core Java**", NDS Jerusalem (September 2005),
- Seminar "**Java Tiger**", NDS Jerusalem (September 2005),

9. Research experience

Data Mining in Complex Network.

- Developing theoretical models for proper simulations of real world networks and network processes, especially opinion spreading in social networks
- Analysis of link-link correlations in networks, developing algorithms for data mining in the network environment, especially network clustering and network classifying.

Self-organizing Data Grid and Cloud Computing.

- Developing of the data structures and algorithms for a self-organized data grid.
- Adopting of the existing XML technologies for practical application in the self-organizing cloud based systems.
- Developing algorithms for data replication and data relocation in the cloud, blockchain.

E-learning in Higher Education.

- Practical aspects of the IT utilization in higher education institutes.

- Developing of simple XML-based templates and tools for support of course material distribution and basic course management, includes methods of students' assessments.
- Computerized real world modeling as a learning method in higher education.

10. Member: Scientific Journal's Editorial Boards, National and International Committees for Organizing Conferences

2018-2020 Academic Editor (member of the Editorial Board) of the PLOS One - a peer-reviewed open access scientific journal published by the Public Library of Science (PLOS) since 2006.

2008, 2012-2016, 2018 Member of Program Committee, Annual ILAIS (Israel Association for Information Systems) conference.

2014-2020 Member of Program Committee, Annual International Conference Social Media and Society.

2016-2017 Member of Program Committee, Annual International Conference on Network Science, NetSciX2017.

12. Membership in Professional Associations

2002-present Member of ACM - Association for Computing Machinery,

2006-present Member of ILAIS - Israel Association for Information Systems,

2012-present Member of IADIS – International Association for Development of the Information Society.

2015-present Member of INSNA - International Network for Social Network Analysis.

List of Publications

1. Theses

Ph.D, January 1981, Effects of strongly correlated electrons in Hubbard model,
Chernivtsi National University, Ukraine, supervisor Prof.
Nitsovich V.M..

2. Papers and Papers Presented at International Conferences

1. Kanovsky Igor, Native Communities in Social Networks, The Conference on Complex Systems (CCS 2019). Singapore, September 30- October 4, 2019.
2. Kanovsky Igor, Native Communities Detection in Social Networks. NetSci 2018, International Conference on Network Science, Paris, France. June 11-15, 2018.
3. Kanovsky Igor, Diffusion in Social Networks: Between Contagion and Complex Contagion. International Symposium Contagion and Networks (contnet2018), Paris, France. June 11, 2018.
4. O. Kyrychenko, S. Ostapov , I. Kanovsky, Web Space Structure Optimal Clusterization, Proceedings of the Sixth International Conference on "INFORMATICS AND COMPUTER TECHNICS PROBLEMS" PICT-2017, Chernivtsi, Ukraine, 2017. p. 68-70.
5. Kanovsky Igor, Professional Social Network as a Media for Innovation Spreading. Kreyon Conference2017. UNFOLDING THE DYNAMICS OF CREATIVITY AND INNOVATION. Rome, Italy. September 6-9. 2017.
6. Kanovsky Igor, Agnis Stibe, Sergey Ostapov, Opinion Leader in Social Network as Network Structure Property. International School and Conference on Network Science, NetSciX2017, Tel-Aviv, Israel. January 15-18. 2017.
7. Kanovsky Igor, Opinion Leader in Social Network as a Complex Network Structure Property. 2016 Conference on Complex Systems, Amsterdam, The Netherlands. September 19-22. 2016.
8. Kanovsky Igor, Ability to be an Influencer in Social Network. XXXV Sunbelt Conference of the International Network for Social Network Analysis (INSNA). Brighton, UK. June 23–28. 2015.
9. O. Kyrychenko, S. Ostapov , I. Kanovsky, Comparison of Statistical Characteristics of Certain Internet Subdomains . Rostanski M., Pikiewicz P. (Eds.): Internet in the information society. Insights on the information systems, structures and applications. - Academy of Business, Dabrowa Gornicza, ISBN 978-83-62897-91-9. 2014. p. 5-16.
10. Kanovsky I., Yaari O., Opinion Spreading in Social Networks . Issues in Information Systems . 2014. V.15. Issue II. pp. 98-102.
11. Kanovsky Igor, Yaari Omer, Opinion Spreading in Social Networks. 54th International IACIS Conference. Analytics - Sustaining Effective Decision Making. Las Vegas, NV, USA. October 1-4. 2014.
12. Kanovsky Igor, Yaari Omer, Modeling Influencers in Social Network. 2013 International Conference Social Media and Society. Halifax (Canada). September 2013.
13. Ostapov S., Kanovsky I., Kyrychenko O., Investigation of the Certain Internet Zones Statistical Characteristics. Eastern-European Journal of Enterprise Technologies. 2013. V.6. N66.pp.13.
14. Kanovsky Igor, Yaari Omer, Viral Opinion Spreading in Social Networks. IEEE Digital Library. Proceedings of the 2013 ASE/IEEE International Conference Social Computing. Washington DC, USA. 2013. pp.4.
15. Kanovsky Igor, Yaary Omer, Influencers in Social Networks: 0-1-2 Model. Proceedings of the 2-nd International Conference on Modern Trends in Mathematics and its Application, Donetsk, Ukraine. 2013. p.73-74.

16. Kanovsky Igor, Yaari Omer, Distinction Between Opinion and Information Spreading in Social Networks. Proceedings of the IADIS International Conference WWW/INTERNET, Madrid, Spain. 2012. p. 442-446 .
17. Kanovsky Igor, Social Network Models for Algorithms Testing. Proceedings of the International Conference on Modern Trends in Mathematics and its Application, Donetsk, Ukraine. 2012. p.81-83
18. Kanovsky Igor, Yaari Omer, "Opinion Spreading in Complex Networks: Model 0-1-2", International Conference Models of Social Interaction in Sociological Research, ETH Zürich (Switzerland), July 2011.
19. Kanovsky Igor, Yaari Omer, "Model of Opinion Spreading in Social Networks", The Israel Association for Information Systems Conference (ILAIS 2011). Raanana, Israel. June 2011.
20. Kanovsky Igor, Yaari Omer, "Model of Opinion Spreading in Social Networks", International Conference on Network Science (NetSci2011), Budapest, Hungary, June 2011.
21. Kanovsky Igor, "Small World Properties in Social Networks: simulation and utilizing". ESF-COST High-Level Research Conference "Future Internet and Society: A Complex Systems Perspective", Acquafredda di Maratea, Italy. 2-7 October. 2010 .
22. Kanovsky Igor, "Small World models for social network algorithms testing," Proceedings of International Conference on Computational Science, ICCS 2010, Amsterdam, Procedia Computer Science (Elsevier B.V).Volume 1, Issue 1, p.2335-2338, 2010.
23. Kanovsky Igor, "Complex Networks Clustering by Link Weighting". The Israel Association for Information Systems Conference (ILAIS 2007). Ramat-Gan, Israel. May. 2007.
24. Kanovsky Igor, "Web graph clustering based on link correlations", Fourth Workshop on Algorithms and Models for the Web-Graph (WAW2006), Banff, Canada, December 2006 .
25. Kanovsky Igor, "Complex Networks Clustering and Edges Correlation". International Conference on Network Science (NetSci2006), Bloomington, Indiana, USA . May. 2006.
26. Kanovsky Igor, Pergo Lilach, "Small World Graph Clustering", Workshop on Structure and Function of Complex Networks, Trieste, Italy May 2005.
27. Kanovsky Igor, "Stochastic Processes for Scale-Free Digraph Generation", Complex Networks, International Conference, Bar-Ilan University, Israel, April 2005.
28. Kanovsky Igor, Or-Bach Rachel, E-Learning – Using XML technologies to meet the special characteristics of higher education. Journal of Systemics, Cybernetics and Informatics . 2005. V.2. N1.
29. Kanovsky Igor, Pergo Lilach, "Small World Graph Clustering", Science of Complex Networks: from Biology to the Internet and WWW (CNET 2004), International Conference, Aveiro, Portugal, September 2004.
30. Kanovsky Igor, "Clusters Recognition from Large Small World Graph" Fourth Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms. Haifa, Israel, May 2004.
31. Kanovsky Igor, "Perception of the Value of Information from Link Analysis", The Value of Information in Networked Contexts. International Conference. Haifa, Israel, February 2004.
32. Kanovsky Igor, "Statistical Properties of the Web Graph and their Simulation", Haifa Winter Workshop on Computer Science and Statistics (CsStat '03), Haifa, Israel, December 2003.
33. Kanovsky Igor, Or-Bach Rachel, "E-Learning – Using XML technologies to meet the special characteristics of higher education," Proceedings of the International Conference on Education and Information Systems: Technologies and Applications (EISTA '03), p.289-293, Orlando, 2003.
34. Kanovsky Igor, Mazor Shaul, "Models of Web-Like Graphs: Integrated Approach," Proceedings of The 7th World Multiconference on Systematics, Cybernetics and Informatics (SCI 2003), v.3, p.278-283, Orlando, 2003.
35. Kanovsky Igor, Mazor Shaul, "Stochastic Processes for Web-like Graph Generation", Proceedings of The 12th International World Wide Web Conference (WWW2003), Budapest, 2003.

36. Kanovsky Igor, Or-Bach Rachel, "A Gradual Process for Integrating E-learning in a Higher Education Institute", Proceedings of European Conference "The New Educational Benefits of ICT in Higher Education", Rotterdam. 2002, p. 104-108.
37. Kanovsky Igor, "Courseware Generator", Israeli Software Technology Preview, Atlanta, GA, Santa Clara, CA, December 1996.
38. Kanovsky I.Ya., Kolesnikov N.N., "Beginner's Guide to PC" - Two-parts Manual Guide, Chernivtsi, 1991, Part 1, 134 p., 1992, Part 2, 175 p.
39. Kanovsky I.Ya., Tkachenko I.V., "Effective coefficient for diffusion in inhomogeneous medium," Ukrainian Physical Journal. 1991, v.36, N. 3, p.432 – 434
40. Kanovsky I.Ya., Methodical directions to laboratory works on the course "Computer Theory and Computer Design". - Chernivtsi, 1991, 24 p.
41. Udovitsky V.I., Kanovsky I.Ya., "Features of Silicon Diffusion in Fe-C Alloys During Thermochemical Treatment," Information of USSR Academy of Sciences, Metals Series, 1990, N1, p. 190-192.
42. Kanovsky I.Ya., Kloesnikov N.N. "Fault-tolerant functioning organization of active connection subcomplexes with the object", Proceedings of VII All-Union scientific and engineering conference "Problems, tasks and experience of Automatic Manufacturing software introduction, development and technology application", Chernivtsi, 1990, p.13-14
43. Kanovsky I.Ya., Udovitsky V.I., "Intellectual microprocessor Thermo-Chemical Treatment processes control system", Regional Conference "New materials and resources preserving technologies of thermo - and thermo-chemical treatment", Penza, 1990, p.39.
44. Kanovsky I.Ya. Ionov S.P. "Charge Ordering Properties. Cluster Approach.", Preprint of Atomic Energy Institute. AEI-4811/9, Moscow, 1989, 33 p.
45. Kanovsky I.Ya., Udovitsky V.I., "Dynamic Percolation with Diffusion in Inhomogeneous Solid State Medium," Solid State Physics, 1988, V. 30, N 5, p. 1405-1408
46. Kanovsky I.Ya., "Forms of Cooperation of Public Education and Higher Education Institutes on Teachers Training with Computers", In book "Problems of Teachers Training on Computers", 1988, p. 108-113.
47. Kanovsky I.Ya., "Program and Technical Document Generator for "Vahta-1" -IC-tester", Informational Paper of Scientific- Engineering Achievements, N 88-004, Ukrainian Scient. Research Inst. Chernivtsi, 1988.
48. Gorbach V.G., Udovitsky V.I., Kanovsky I.Ya., "Phase Transitions and Percolation Diffusion in Multy-Component Materials," Scientific Reports of Ukrainian Academy, 1987, A N 1, p.71-74.
49. Kanovsky I.Ya., "Stability Conditions of Bipolaron in Transition Metals Compounds", XIII All-Union conference on Semiconductors Theory, Yerevan, 1987, p. 126.
50. Kanovsky I.Ya., "Data Base on PC", Intensification of Microprocessor Computers Study Process at Higher School, Voronezh, 1987, p.31.
51. Kanovsky I.Ya., "Methods of Teaching the Programming School Course on Basic Language Computers", All-Union conference "Intensification of Microprocessor Computers Study Process at Higher School", Voronezh, 1987, p. 153- 154.
52. Kanovsky I.Ya., Udovitsky V.I., "Dynamic Percolation in Solid State Systems", In book "Application of Computers in Physical Metallurgy and Metal-work", Moscow, 1987, p. 94-99.
53. Udovitsky V.I., Kanovsky I.Ya., "Composition for Surface Hardening Ferrous Alloys Components", Patent N 1478656 (USSR).
54. Nitsovich V. M., Kanovsky I. Ya., Muntyanu R. P., "Negative Magnetoresistance in Magnetic Semiconductors with Narrow Degenerated Bands," Physics. News of Academic School, 1986, V. 29, N 12, p. 10-14
55. Nitsovich V.M., Kanovsky I.Ya., Muntyanu R.P., "Electrons Correlation Influence on Conductivity of Transition Metals Compounds with Orbital Degeneration," Ukrainian Physical Journal, 1986, v.31, N 10, p.1531 – 1537.
56. Kanovsky I.Ya., "Personal Computers Applied Programs Packets development Peculiarities", "Improvement of Programmed Computer Guarantee Quality", Sevastopol, 1986, p. 51-53.
57. Nitsovich V.M., Kanovsky I.Ya., "D-centers Conductivity of Transition Metals Compounds," Solid State Phys., 1985, v.27, N 9, p.2631-2636.

58. Kosyachenko S.V., Kanovsky I.Ya., Nitsovich V.M., "Charge Ordering in Metals Compounds," Ukrainian Physical Journal, 1985, v.30, N 3, p.455 – 459.
59. Kanovsky I., Borets N. Ya., "Polar States Influence on Magnetic Ordering of Electron System with Direct Ising Exchange," Ukrainian Physical Journal, 1985, v.30, N 1, p.83 – 85.
60. Kanovsky I.Ya., "Electronic Ordering Influence on Conductivity of Magnetic Semiconductors," XII-th All-Union conference on the Theory of Semiconductors. Tashkent, 1985, p.51-52.
61. Kanovsky I.Ya., "Electronic Phase Transitions in Multilevel Systems with Correlation Effects", Soviet-Italian symposium on Mathematics Problems of Statistical Physics, Lvov, 1985, p.77-78.
62. Kanovsky I.Ya., "Electric Conductivity on d-centers of Magnetic-Ordered Compounds of Transitive Metals," XVII-th All-Union conference on Magnetic Phenomena Physics, Donetsk, 1985, V.II, p.117-118.
63. Udovitsky V.I., Kanovsky I.Ya., "Ascending Diffusion Thermodynamics in the Process of Multicomponent Solid State System Homogenization" Thesis for the II-d All-Union conference "Thermodynamics of Irreversible Processes and their Application", Chernovtsy, 1984, p.129.
64. Kanovsky I.Ya., Nitsovich V.M., "Charge and Orbital Ordering in Forming the Electronic States of Transitional and Rare-Earth Metals", II-d All-Union conference "Electronic Dynamics in Charge - Ordering Crystals", Moscow, 1984, p.5-8.
65. Kanovsky I.Ya., Borets N.Ya., Nitsovich V.M. "Coexistence of Charge and Magnetic Orderings in Polar Ferromagnetic," Phys. Stat. Solid.(b) 1983, v.120, N 2, p.K167 - 171.
66. Kanovsky I.Ya., Nitsovich V.M., "Electric Space Distribution of Charge in Semiconductor Compounds with Intermediate Valence", XXI All-Union conference on Theory of Semiconductors, Uzhgorod, 1983, p.236-237
67. Kanovsky I.Ya. , Borets N. Ya. Nitsovich V.M., "Polar States and Charge Ordering in Ising Ferromagnetic," Solid State Phys. 1983, v.28, N9, p.2828-2830.
68. Nitsovich V.M., Kanovsky I.Ya. , Moiseenko N.I., "Kinetic Properties and Concentrated Stability of Charge Ordered Systems," Journal of Physical Chemistry, 1983, V.57, N7, p.1585-1596.
69. Nitsovich V.M., Kanovsky I.Ya. , Moiseenko N.I., "Concentrated Dependence of Charge Ordered Systems Physical Characteristics," Journal of Physical Chemistry, 1983, V.57, N5, p.1068-1078.
70. Nitsovich V.M., Kanovsky I.Ya., "Theory of Metal-Isolator Transition in Impurities Subsystem of GaAs in External Magnetic Field," Ukrainian Physical Journal, 1982, v.27, N 3,p.462 - 464.
71. Kanovsky I.Ya., Nitsovich V.M., "Interaction of Spin and Charge Orders in Systems with Strongly Located Electrons", The XV-th All-Union Conference on Physics of Magnetic Phenomenon, Perm, 1981, p. 26-27.
72. Nitsovich V.M., Kanovsky I.Ya., "Concentration Dependencies of Physical Properties in Charge-Ordering System", 1st All- Union Conference "Investigation Methods of Electronicdynamic Mechanism in COS", Moscow, 1981, p. 15-18.
73. Nitsovich V.M., Kanovsky I.Ya. , Moiseenko N.I., "Charge Ordering Coursed Phase Transition in Generalized Hubbard Model," Ukrainian Physical Journal, 1978, v.23, N 9,p.1563 - 1566.
74. Nitsovich V.M., Kanovsky I.Ya., "Crystal's Magnetic Influence Characteristics on Phase Transition Concerned with Charge Ordering", XXI All-Union Conference on Low Temperatures Physics, part 3. Kharkov, 1980, p.125-126.
75. Nitsovich V.M., Kanovsky I.Ya., "Metal-Dielectric Transition in External Magnetic Field", All-Union Conference on Physics of Magnetic Phenomenon. Kharkov, 1979, p.98.
76. Nitsovich V.M., Kanovsky I.Ya., "Charge Ordering Influence on Thermodynamic and Statistic Properties of Strongly Correlated Electrons", IX-th conference on the Theory of Semiconductors, Tbilisi, 1978, p. 200-201.
77. Nitsovich V.M., Kanovsky I.Ya. , Timochko B.M., "Magnetic Field Influence on Mott Transition in Hubbard Model," Solid State Physics, 1977, v.19, N 7,p.2122 - 2125 .

78. Nitsovich V.M., Kanovsky I.Ya. , Timochko B.M., "Magnetic Field Influence on Criterion of Mott Transition in Hubbard Model," Ukrainian Physical Journal, 1977, v.22, N 2,p.154 - 156.

3. Supervision of Students Projects Undergraduate and Graduate Students

2005-2006 - Alexy Yakimets, advisors Dr. Avi Gal and Prof. Igor Kanovsky.
Final project title: "Software infrastructure development for distributed data grid based on self-organization principle." The Technion.

2003-2005 - Lilach Pergo, advisors Prof. Igor Kanovsky and Prof. Alek Vainshtein.
Thesis Title: "Algorithm for directed graph clustering, based on edges weighting, and its implementation on Web graphs." University of Haifa.

2003-2004 - Shaul Mazor, advisors Prof. Igor Kanovsky and Prof. Alek Vainshtein.
Thesis Title: "Stochastic Processes for Web-like Graph Generation". University of Haifa.

2001-2002 - Daniel Geva, advisors Prof. Josef Patrich and Prof. Igor Kanovsky.
Thesis Title: "Implementation of a Computerized Archeological Report System for Excavations of the Byzantine Governor Place at Caesarea". University of Haifa, November 2002.

Advisor for Undergraduate Senior Projects

Through 2001-2019, I have advised 113 senior final projects to successful completion.

Undergraduate Research Experience Advisor

I was an advisor for seven students in Undergraduate Research Experience Program. These students worked actively on research projects under my guidance as a part of the B.A. Honor Program of the Emek Yzreel College.