Vladimir Kuperman

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SUMMARY OF SKILLS AND EXPERIENCE

RESEARCH, TEACHING, AND TRAINING

- More than 20 years of teaching and research on computer technologies and global economy.
- Academic teaching (lecturing, giving practical assignments, class discussions, and research project supervision) at bachelors, masters, and Ph.D. levels including courses:
    - *Information Technologies for Business* (consists of three parts: a) databases – concepts of relational database, DBMS, database design and development on an example of MS Access; b) computer networks – network hardware, LAN, OSI, TCP/IP, WAN; c) information systems in solving business problems – computerized business-processes, ERP, CRM, office applications, e-commerce).
    - *Networking: Introduction to Data Communication* (fundamental concepts of computer networking; network design, management, and security).
    - *Mathematics for Decision Making* (mathematical models to common business situations using differential and integral calculus).
    - *Numerical Methods in Applied Mathematics* (basis of the theory of errors, solutions of the scalar equations, nonlinear and linear systems of equations, optimization and interpolation problems, etc.).
    - *Fundamentals of Information Technologies* (theory of information, social and business aspects of IT).
- Education and academic achievements:
    - Doctor of Science in Economics (the highest academic degree in Russia) awarded by Supreme Attestation Committee of Ministry of Education of Russia for the thesis *Theory of Management of Industrial Enterprises in the Global Information and Economic Environment, 2000.*
    - Supervised several Ph.D.s in business development and information systems.
    - Published more than 60 works including three single-author books, six books with others, and five textbooks.
    - Ph.D. in Computer Science from Moscow Mendeleyev University of Chemical Technology. Researched an application of artificial intelligence methods to earlier diagnosis of malfunctions of chemical manufacturing. Thesis *Development of Hybrid Automated Systems of Technical Diagnostics for Continuous Chemical Manufactures (on an example of a nitric acid manufacture)* was defended in 1992.
    - Master Degree in Computer Science from Tula Polytechnic Institution, Russia (1985).
- Grants received and goals accomplished:
    - *Russian Humanitarian Science Foundation (Russian Government)*: research on processes of adaptation of Russian enterprises to the global information and economic environment in transition economy.

- *Open Society (George Soros Foundation)*: establishment of public centers of access to the Internet.
- *Project Harmony (USAID)*: establishment of public centers of access to the Internet, public teaching on *The Internet and Entrepreneurship*.
- *Open Russia Foundation (Mikhail Khodorkovsky)*: provided set of workshops *The Internet and Entrepreneurship*.
- *Tula Region Foundation (The Tula Region Administration)*: analysis and prognosis of development of regional enterprises in the global environment under circumstances of transition economy.
- International activity:
  - Provided set of lectures (in English) on *Globalization and IT* at Department of International Trade of Santo Tomas University, Colombia in 2014.
  - As a volunteer of the Albany-Tula Alliance was involved for more than 15 years in many activities between the two communities in the USA and Russia, including faculty and students exchange. Provided several classes at The College of Saint Rose during business trips to the United States.
- Community service:
  - Member of the Expert Council of the Tula City Administration.
  - Member of the Tula City Administration Committee for city development.

Related career accomplishments

Adjunct Professor | Department of Computer Science, SUNY at Albany (Albany, NY).   Spring, 2017
  - Teach *Programming at the Hardware-Software Interface*.

Adjunct Professor | Department of Information Technology Management, School of Business, SUNY at Albany (Albany, NY).   Spring, 2017
  - Teach courses *Quantitative Analysis for Business* and *Communications, Networking, and Security*.

Adjunct Professor | Department of Information Technology Management, School of Business, SUNY at Albany (Albany, NY).   Fall, 2016
  - Taught two courses of *Networking: Introduction to Data Communication*.

Adjunct Professor | Department of Quantitative Business Analysis, School of Business, Siena College (Loudonville, NY).   Fall, 2016
  - Taught *Mathematics for Decision Making II*.

Adjunct Professor | Department of Computer Science, School of Science, Siena College (Loudonville, NY).   Fall, 2016
  - Taught *Introduction to Computer Applications*.

Full Professor | Department of Economics and Business, Tula State Leo Tolstoy University (Tula, Russia) - currently sabbatical leave.   2000–present
  - Supervise students' and postgraduates' research.
  - Taught wide variety of courses in the fields of Information Technology.
  - Developed first distance learning course in the university (*The Internet and Entrepreneurship*).
  - Was awarded with scientific title of Professor for Department of Economics and Business (2004).

- Became the youngest faculty member to receive the title of Doctor of Science in Economics.

Director for Research | Government Center for Youth Support (Tula, Russia). 1997–1998
- Implemented database approach and the Internet analytics to the GCYS research and practical activities.

Associate Professor | Department of Mathematics and Informatics, Tula State Leo Tolstoy University (Tula, Russia). 1994–1998
- Started as a junior lecturer in 1992 then became an assistant professor in two years.
- Designed, developed and started the first university public center of access to the Internet.
- Published two editions of the textbook *Basis of Computer Science and Programming*, which were approved and recommended by Ministry of Education of Russia to use throughout the country.

COMMUNICATION AND PROBLEM SOLVING

- More than 10 years of extensive problem-solving experience.
- Experienced in understanding client's problems and needs to help developing appropriate solutions.
- Successful in assisting people to resolve conflicts.
- Attention to details, ability to find the root causes and to think outside the box.

Related career accomplishments

CEO and co-owner | Invest Partners (Moscow, Russia), real estate development and consulting. 2009–2012
- Managed and closed four government turnkey contracts worth more than $6MM total for residential housing developments in Yaroslavl Region under hard time pressure and not friendly local administration.
- Developed company's standards in project management.

Chief Project Manager |Genesis-Tula (Tula, Russia), light steel frame manufacturing for prefab housing. 2008–2010
- Through team work and difficult negotiations with the Canadian licensor successfully restarted and managed a project that was in a state of crisis in the Moscow and Tula Regions.
- Organized the setup and study of the US manufacturing equipment, Canadian ERP system (GEM), and Canadian design software (Frame Builder). The cost of the equipment and software was $40MM. The completed project has the capability to produce 100 000 sq. meters of new houses and buildings a year under the license of GenesisTP, Inc. (Canada).
- Drove the project to a commercial stage, developed CRM system, and made the first sales of light steel structures of two apartment and more than twenty residential buildings to Rostov, Tula, Volgograd, and Kaluga Regions.

BUSINESS ANALYSIS AND PROJECT MANAGEMENT

- Extensive experience at all stages of business development from feasibility studies and raising capital to developing sales.
- Self-starter habits with strong understanding of budgeting and timing.

- Effective project manager and analyst with an entrepreneurial attitude.

Related career accomplishments

VP for Business Development |Vista Group (Tula, Russia), motor vehicle retail and service.   2012–2015
  – Developed and implemented new CRM and system of annual planning using ERP 1C Enterprise.
  – Optimized business process of monthly planning that resulted in reducing costs and increasing revenue about $100,000 a month.
  – Localized to Russian standards the DuPont computerized system for operational and financial audits.

CEO and co-owner |RST (Tula, Russia), real estate development and investments.   2006–2008
  – Developed, managed and successfully carried out the project of reconstruction and remodeling of historical building in the center of Tula (10 000 sq. feet). After reconstruction, the building was rented by largest Russian bank–Sberbank.

Founder, co-owner, and CEO |DS-IntelTech (Tula, Russia – Albany, NY), software development.   2002–2007
  – Established and managed a software development company first with clients in Russia and then in the US. The US clients were NYS Capital Region IT companies like Logical Net, Autotask Group, MySmartSimulation, and others.

OTHER SKILLS AND INFORMATION

- US Status: Lawful Permanent Resident.
- Bilingual (English + Russian).
- Extensive experience in the IT industry.
- Proactive, self-motivated, hard-worker.
- Professional internship (SABIT program through the Albany-Tula Alliance) sponsored by the US Department of Commerce at MapInfo, Inc. and New York State Department of Environmental Conservation.

SELECTED PUBLICATIONS

Scholarly books and chapters in scholarly books

1. Kuperman V.G. *From Global Initiatives to Local Investments*, *Evolution Economy: Innovation, Investments, Institutions, Intellectual Capital*, Tula, Tula State Leo Tolstoy Pedagogical University, 2008, p.p.204-214. (Russ.[1]).

2. Kuperman V.G. *Basis of Internet Entrepreneurship*, Tula, NKO Regional Fund of Social Support and Unemployment Protection SDC "Demidov Style," 2004, 90 p. (Russ.).

3. Borodin N.N., Mashkov A.A., Kuperman V.G., Pastukhov A.V., Pastukhov V.V. *Modern Technologies and Enterprise Resource Planning*, Tula, Tula State Leo Tolstoy Pedagogical University, 2004, 113 p. (Russ.).

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[1] "Russ." – publication is in Russian, "Eng." – publication is in English.

4. Ishkov A.D., Kultin N.B., Kuperman V.G. and others. *Internet Education (textbook), Internet Education: Technology of Pedagogical Design*, Moscow, Publishing House "Cameron," 2004, 216 p. (Russ.).

5. Babaev A.B., Kuperman V.G. *Competition on Markets of Network Goods*, Tula, RIF "Infra," 2003, 127 p. (Russ.).

6. Kuperman V.G. *Introduction in the Economy of Internet-Entrepreneurship (textbook)*, Tula, Tula State Leo Tolstoy Pedagogical University, 2001, 62 p. (Russ.).

7. Kuperman V.G. *Business in the Environment of Emerging Global Informational Space*, Tula, Tula State Leo Tolstoy Pedagogical University, 2000, 106 p. (Russ.).

8. Kuperman V.G., Poryadochnov Y.A. *Management of Research and Development Companies in Market Economy*, Tula, Tula State Leo Tolstoy Pedagogical University, 1999, 58 p. (Russ.).

9. Kuperman V.G. *Practice and Perspectives of Integration of Business-processes of Industrial Enterprises into Internet Commerce in Russia*, Tula, Tula State Leo Tolstoy Pedagogical University, 1999, 115 p. (Russ.).

10. Kuperman V.G., Potapenko N.S. *Simulation and Estimation of Enterprise Conditions* Tula, Tula State Leo Tolstoy Pedagogical University, 1999, 51 p. (Russ.).

11. Kuperman V.G. and others *Theory and Practice of Development and Operation of System of Continued Pedagogical Education*, Tula, Tula State Leo Tolstoy Pedagogical University, 1999, 114 p. (Russ.).

12. Kuperman V.G., Torina E.G. *Basis of Computer Science and Programming (textbook), 2nd edition*, Tula, Tula State Leo Tolstoy Pedagogical University, 1997, 264 p. (Russ.).

13. Kuperman V.G., Torina E.G. *Basis of Computer Science and Programming (textbook)*, Tula, Tula State Leo Tolstoy Pedagogical University, 1996, 220 p. (Russ.).

14. Kuperman V.G. *Basis of Computer Science (instructional aid)*, Tula: RIO TPPO, 1995, 55 p. (Russ.).

Articles published in refereed journals

1. Agureev I.E., Atlas E.E., Kuperman V.G., Osokin S.V. *Prognosis of the Situation for Main Types of Statistic State of the Public Health System with Approach of Automated Technologies*, *The Bulletin of New Medical Technologies*, 2010, vol. XVII, #4, p.p.152-154. (Russ.).

2. Kuperman V.G. *Basics of the Internet Entrepreneurship*, Moscow, VNTIC, 2005, #50200500147. (Russ.).

3. Kuperman V.G. *The Internet Business*, Moscow, VNTIC, 2005, #0200500153. (Russ.).

4. Kuperman V.G., Dobrovolsky N.M., Subbotin V.A. *Influence of Globalization Processes on the System of Regional Education*, *Pedagogical Informatics*, 2002, #2, p.p.64-73. (Russ.).

5. Kuperman V.G., Motorin V.V., Pejsakhov I.A., Sapozhnikov P.A. *E-Business Experience of Tula Region Enterprises*, *Ministry of Russian Federation of Communication and Informatization. Information Technology of Administration of Territories*, 2001, #33, p.p.34-40. (Russ.).

6. Babaev A.B., Vasin A.B., Kuperman V.G. *Network Goods in the Network Economy*, *Bank Technologies*, 2001. #1, p.p.50-52. (Russ.).

7. Kuperman V.G. *Theory of Management of Industrial Enterprises in the Global Informational-Economical Environment*, Abstract of Doctoral Thesis, Orel, Orel State Technical University, 2000, 44 p. (Russ.).

8. Kuperman V.G. *Systems of Decision Making Support in Complex Ecological Systems*, *International Forum of Science, Technology, and Education Problems-Issue 1*, Academy of Earth Sciences, Moscow, 1997, p.p. 145-146. (Russ.).

9. Kuperman V.G., Paliukh B.V. *The Knowledge Base Updating for the Expert System of Technical Diagnostics of Chemical Manufacture*, *Program Products and Systems*, 1995, # 3, p.p. 25-29. (Russ.).

10. Perov V.L., Paliukh B.V., Kuperman V.G., *Defective Chemical Process Chain Detection in Uncertainty Condition*, *Comput. and Chem. Eng.*, 1993., # 17(10)93, p.p. 1015-1024. (Eng.).

11. Kuperman V.G., Nikulin V.V. at all, *Hazard Diagnosis of the Weak Nitric Acid Production*, *Labor Safety in Industry*, 1992., vol. 11, p.p. 19-20. (Russ.).

12. Kuperman V.G. *Development of Hybrid Automated Systems of Technical Diagnostics for Continuous Chemical Manufacturing (on an example of a nitric acid manufacture)*, *Kand. Diss.*, Moscow, Mendeleev Moscow Chem.-Technol. Inst., 1991, 16 p. (Russ.).

Other articles
1. Dozhdev D.V., Kuperman V.G. *Structure of Communications in Project Management*, Tambov, Tambov State Technical University, 2007, p.p.34-35. (Russ.).

2. Dozhdev D.V., Kuperman V.G. *Application of Usage Variants Diagrams in Collection of Requirements for IT Projects*, Economy *and Effective Production*, Bryansk, BTU, 2007, p.p. 72-75. (Russ.).

3. Kuperman V.G. *Internet Education for Internet Entrepreneurship*, *Applied Mathematics and Information Technologies in Economy and Economy Education*, Tula, Tula Branch of VZFEI, 2006, p.p. 247-251. (Russ.).

4. Kuperman V.G., Busygina N.A. *Analysis of Innovation Development of Russia Compared to Worldwide Trends*, Information*, Innovations, Investments*, Perm, Perm CNTI, 2005, p.p.178-183. (Russ.).

5. Kuperman V.G., Busygina N.A. *Economical and Legal Security of Intellectual Property as a Basis for Development of Innovation Processes in Russia*, *Information, Innovations, Investments*, Perm, Perm CNTI, 2004, p.p.217-229. (Russ.).

6. Kuperman V.G. *E-Business. Talks for Non-Business-People*, *IATP/Russia: Sustainable Development for Future, International Conference "Education and Access to the Internet,"* Moscow, Project Harmony, Inc., 2004, p.p.22-23. (Russ.).

7. Kuperman V.G. *System of Adaptation of Russian Enterprises for Processes of Globalization of Informational-Economical Environment in the Transition Economy*, *Information Materials of Committee for Science of Tula Region Administration*, Tula, Vlasta, 2002, p.p.340-346. (Russ.).

8. Kuperman V.G. *Strategy and Objectives of Russian Industrial Enterprises in the Global Informational-Economical Environment*, *Economical and Legal Problems of Increasing of Efficiency of Organizations and Companies*, International Scientific and Practical Conference. Part II: Modern problems of Russian Entrepreneurship, Orel, 2000, p.p. 47–51. (Russ.).

9. Kuperman V.G. *Investment Goals in E-Commerce for Industrial Enterprises*, *State of the Art and Perspectives of Regional Financial System*, Tula Branch of VZFEI, Tula, 2000, p.p. 54-58. (Russ.).

10. Kuperman V.G. *Currant State and Perspectives of E-Cooperation in Russia*, *Russia: Global, Economical, and Regional Aspects of Transition Economy*, Yaroslavl, 2000, p.p.176-183. (Russ.).

11. Kuperman V.G. *Modern Specifics of Development of Information Environment for management of Industrial Enterprises*, *Technology of Entrepreneurship and Economy*, Tula, 2000, p.p.113-117. (Russ.).

12. Kuperman V.G., Luneva A.M. *Distance Learning and Consulting for Small and Middle-size businesses*, *State of the Art and Perspectives of Regional Financial System*, Tula Branch of VZFEI, Tula, 1999, p.p.160-161. (Russ.).

13. Paliukh B.V., Kuperman V.G. *Diagnostic Decision Making on Chemical Manufacturing on the Basis of the Theory of Evidence*, *Knowledge - Dialog - Solution*, Sixth International Conferences «KDS-97», CRIMEA. Yalta, 1997, vol.2, p.p.548-557. (Russ.).

14. Perov V.L., Paliukh B.V., Kuperman V.G. *Diagnostic Procedures with Elements of Expert Systems at Recognition of Malfunctions on Chemical Manufactures*, *Artificial Intelligence in the Automated Process Control*, All-Union Conference, M, 1989, p.p. 46-47. (Russ.).

References available upon request