

Vlad OLCHANSKI, Ph.D.

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OBJECTIVE

Continue a creative and productive career in position of a project leader or senior analyst.

Systems analysis and engineering along the possible tracks:

1. Applied Medical Systems (prevention, early detection, health risk assessment, diagnosis, clinical practice guidelines, computerized patient records, outcomes studies; re-engineering).
2. Health Services Research, Health Policy Analysis (for HMO, health insurance companies, government; trouble shooting).
3. Advising and consulting senior level executives based on the systems analysis and mathematical models.

Results-oriented, problem finder and solver. Flexible in performing multiple, diverse functions, adaptable in different environments. Personally committed to working as a productive member of a team.

Rich international experience.

Willing to relocate for the right opportunity to work with a creative team.

For more detail in color and stereo, see: "<http://views.vcu.edu/~volchans/>"

PROFESSIONAL ACCOMPLISHMENTS

- Development of a surgical outcomes monitoring system on the Internet connection (accepted by JCAHO as a tool for accreditation).
- Development of a dynamic model to analyze and forecast the primary care physician supply in the state of Virginia.
- Design and development of several commercially distributed medical expert systems (The Silver Medal Award "For the Achieved Success in Progress of National Economy") .
- Design of a dynamic model for resource allocation in national health care systems.
- Development of the Program for Coordination of the International Cancer Research for the World Health Organization.
- Design of a national standard for industrial statistical acceptance quality control.
- More than 50 publications including international journals and conferences.

EMPLOYMENT HISTORY

Vice-President Systems Development, Surgical Outcomes Information Exchange, Richmond, VA (1998-current)

- Development and implementation of the Internet-based systems for surgical outcomes measurement. (JCAHO; SF-36; HTML, FileMaker Pro, Visual Basic, MS Access, MS Excel, Clipper, SAS, ColdFusion, Apache, TCP/IP)
["http://www.soix.com"](http://www.soix.com)
Unix, Windows-NT, Windows-95

Manager, Information Technology, Departments of Internal Medicine, Health Administration, and Family Practice, Medical College of Virginia, Virginia Commonwealth University, Richmond, VA, from 1992.

- Development and implementation of information technology applications in Internal Medicine Department (LAN deployment, web design, software and hardware perspectives and consultations, Y2K coordination);
- Assessing vendor proposals for MCV Hospitals Clinical Information System (IDX, Cerner, HBO, SMS, ECLIPSYS).
- Technical direction for the Surgical Outcomes Project of the American Association of Ambulatory Surgery Centers (AAASC): Development of remote access to databases through the Internet (FileMaker Pro, Excel/VBA, MS-Access) and of statistical performance indicators, coordination of participating centers;
- Development and maintenance of the residency programs clinical data system (SAS - TSO, VMS, Unix, PC-WIN);
- Annual survey of the Virginia rural primary care physicians;
- Systems analysis of the state-level physician supply dynamics (Visual Basic, SAS, MS-Access, AGIS-Atlas);
- Development of the interactive computer based disease prevention system (installed in 30 practices, financed by NCI grant) (Visual Basic, Clipper, Sound Blaster);
- Study of health status evaluation systems;
- Development of user interface for the state-level MEDICAID patient data analysis system (SAS - PC-WIN, VAX-VMS, IBM-TSO);
- Development of Web pages for the Surgical Outcomes Information Exchange (SOIX) and for the North American Primary Care Research Group (NAPCRG) and managing electronic mailing lists NAPCRG-L, VAIM-L, and DMF-L;

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- Authoring a popular web site VOLC-R: Primary Care Resources on the Internet, "<http://views.vcu.edu/~dimlist>";
- Teaching Medical Informatics.
IBM/MVS/TSO, VAX/VMS - Unix , IBM-PC/DOS - Windows

Chairman of Department of Medical Decision Support Systems, National Public Health Research Institute and All-Russian Medical Information Computer Center and Services, Moscow, 1990-1992.

- Consultations to the National Ministry of Health;
- Development of the concepts for implementation of decision support systems in health care on the national level;
- Development of consultation, diagnostic, treatment, teaching systems based on personal computers;
- Development of expert systems for use as consulting workstations for physicians;
- Collaboration with the World Health Organization and establishment of the WHO Collaborating Center for Modeling Non-communicable Diseases.
IBM/OS IBM-PC/DOS - Windows

Chairman and CEO, Medinco Associates, private company for development of medical applications software, Moscow, 1988-1992.

- Management of a small business organization;
- Project management;
- Development of a diagnostic advisory system for general practitioner;
- Organization of international joint venture companies.
IBM/OS MS-DOS

Associate Professor - Team Leader, Institute of Control Sciences (Russian Academy of Sciences), Moscow, 1983-1990.

- Project management. Full system life cycle support: conception, user requirements, feasibility study, prototyping, system architecture, coding, components and system debugging, documentation, user interaction on design stage, user training for operations, marketing and product promotion, sales, maintenance, update and upgrade;
- Research in preventive medicine and primary care;
- Consultations to the National Ministry of Health;
- Systems analysis and design of application of computer systems in primary care;
- Consultations to a health center (70,000 patients) in computer applications and deployment of a computing center (PDP11, VAX, personal computers);
- Design and implementation of the health problem targeting system in primary care facilities;
- Supervision of graduate students.
IBM/OS PDP11/RSX11 VAX/VMS IBM-PC/DOS - CPM/86

Technical/Management Officer/Grade P-4, Information Systems Programme, World Health Organization, Geneva, Switzerland, 1978-1982.

- Organizational analysis;
- Feasibility studies and analysis of project proposals;
- Liaison with UNESCO on information systems matters.
Cannon-PC

Research Scholar, International Institute for Applied Systems Analysis, Vienna, Austria, 1976.

- Organization of an international conference;
- Development of the Program for International Cooperation in Cancer Research for the World Health Organization;
- Development of models of national health care systems.
IBM/OS PDP11/Unix

EDUCATION **Moscow Institute of Physics and Technology** may be compared in the US with the **combined** educational and research resources of the **US North Eastern Great Nine**: Columbia University, Cornell University, Harvard University, The Johns Hopkins University, Massachusetts Institute of Technology, University of Pennsylvania, Princeton University, University of Rochester, Yale University including the Brookhaven National Laboratory and the National Radio Astronomy Observatory - also known as the **Associated Universities, Inc.**

- Ph.D. in Technical Cybernetics and Theory of Information from the Institute of Control Sciences (IPU) - Moscow Institute of Physics and Technology (PhysTech), Moscow.
- M.S. in Computer Science and Operations Research from Moscow Institute of Physics and Technology
- B.S. in Physics, Mathematics, Electrical & Radio Engineering, Computer Science from Moscow Institute of Physics and Technology