

MATHEMATICS AND COMPUTER SCIENCE LECTURE SERIES (FALL 2007)

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November 1, 2007, 7:45-8:45 p.m., Education Building Auditorium EDU 305

David J. Dwyer presents "Software Reliability Methods and Experience"

David J. Dwyer is a reliability engineer at BAE Systems, Nashua, NH. He has a M.S. in Computer Science from Rivier College (1999), M.S. in Electrical Engineering from Northeastern University (1980), and B.S. in Physics from Providence College (1963).

The presentation addresses methodology in estimating and projecting software reliability. It will help academic audience to find answers to vital questions: How reliable are industrial software products? Can software reliability be measured exactly? New methods are offered for estimating the test time required and software failures to be corrected to reach reliability goals of the test-and-fix programs.

* **Dr. VLADIMIR V. RIABOV**, Associate Professor of Computer Science at Rivier College, teaches Introduction to Computing, Networking Technologies, Software Engineering, Object-Oriented System Design, System Simulation and Modeling, and Professional Seminar in Computer Science. He received a Ph.D. in Applied Mathematics and Physics from Moscow Institute of Physics and Technology and M.S. in Computer Information Systems from Southern New Hampshire University. Vladimir published about 100 articles in encyclopedias, handbooks, journals, and international and national conference proceedings, including *The Internet Encyclopedia*, *The Handbook of Information Technologies*, *The Handbook of Computer Networks*, *Journal of Spacecraft and Rockets*, *Journal of Aircraft*, *Journal of Thermophysics and Heat Transfer*, *Proceedings of International Congress of Aeronautical Sciences*, *International Symposia on Rarefied Gas Dynamics and Shock Waves*, *International Conferences on Computer Science and Information Systems*, *Conferences of American Institute of Aeronautics and Astronautics*, and others. He is a member of ACM, AIAA, IEEE, and MAA. His hobby is digital photography. Some of Vladimir's photos have been published in *The Bedford Bulletin* and *The Goffstown News*. He has also participated in the SNHU Community Art Shows and New Hampshire Art Association Photo Exhibitions.