

RIVIER COLLEGE PROFESSIONAL SEMINAR IN COMPUTER SCIENCE (SPRING 2011)

Vladimir V. Riabov, Ph.D.*

Professor, Department of Mathematics and Computer Science, Rivier College

PROFESSIONAL SEMINAR IN COMPUTER SCIENCE Public Presentations

February 3, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Survey Presentations

- **Hiral Bhaduwala** presented "**Automated Exploratory Testing**"
- **Carl Estabrook** presented "**A Real-Time Facial Expression Recognition System for Online Games**"
- **Rama Karri** presented "**Next Generation Memory Chips: MRAM**"
- **Douglas Selent** presented "**GPU-Quicksort**"
- **Bei Wang** presented "**Android**"

February 10, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Survey Presentations

- **Daniel Christians** presented "**RPM Package Manager**"
- **Nigel D'Souza** presented "**Business Intelligence & e-Discovery**"
- **Kevin Gill** presented "**Business Intelligence & Dashboards**"
- **Venubabu Kunamneni** presented "**IT Infrastructure Library Model**"
- **Swapna Welling** presented "**Cloud Computing**"

February 17, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Survey Presentations

- **Swapna Bandam** presented "**Internet Protocol, Version 6 (IPv6)**"
- **Mihael Bailey** presented "**Lean Enablers for System Engineering**"
- **Shane Chubb** presented "**Efficiently Searching for Similar Images**"
- **Tarek El-Walik** presented "**Automating Common-Sense Reasoning Using the Event Calculus**"
- **Michael Jeffords** presented "**Geophysical Migration Techniques for Ground Penetrating Radar Data**"
- **Jeffrey Polland** presented "**Computer Programs to Assist Children with Autism**"

March 3, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Survey Presentations

- **Hiral Bhaduwala** presented "Single Sign-On"
- **Carl Estabrook** presented "Towards Robotics Cars"
- **Rama Karri** presented "Optical Bus"
- **Douglas Selent** presented "Typing Biometrics: Impact of Human Learning on Performance Quality"
- **Bei Wang** presented "Git - A Distributed Version Control System"
- **Swapna Welling** presented "Cloud Security"

March 24, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Survey Presentations

- **Daniel Christians** presented "How We Will Learn"
- **Nigel D'Souza** presented "Data Warehousing"
- **Kevin Gill** presented "GOOGLE Native Client"
- **Michael Jeffords** presented "Parallel Colt: A High-Performance Java Library for Scientific Computing and Image Processing"
- **Venubabu Kunamneni** presented "Cloud Tech for IT Services"

March 31, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Survey Presentations

- **Swapna Bandam** presented "Testing Phase in Software Development Life Cycle"
- **Mihael Bailey** presented "Puzzle-based Learning for Engineering and Computer Science"
- **Shane Chubb** presented "Beyond the Fascination of Online Games"
- **Tarek El-Walik** presented "Virtualization: Blessing or Curse?"
- **Jeffrey Polland** presented "Pattern First Search"

April 14, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Capstone Project Presentations

- **Hiral Bhaduwala** presented "Online Bookstore System"
- **Carl Estabrook** presented "3D Asteroids Simulations"
- **Rama Karri** presented "Online Florist Application"
- **Venubabu Kunamneni** presented "Application for Hardware and Software Monitoring"
- **Douglas Selent** presented "Clue Computer Game"
- **Swapna Welling** presented "Online Project Documentation System"

April 28, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Capstone Project Presentations

- **Mihael Bailey** presented "Personal Task Manager"
- **Daniel Christians** presented "Exploring LISP and Ruby: Case Study of a LISP Interpreter"
- **Nigel D'Souza** presented "BI Universe Reporting"

- **Kevin Gill** presented "**DEM846: Digital Elevation Modeling**"
- **Jeffrey Polland** presented "**Tactus: A World Learning Game for Children with Autism**"
- **Bei Wang** presented "**Restaurant Online Order System**"

May 5, 2011, 7:45 pm - 9:45 pm, Education Building Auditorium EDU 305

Capstone Project Presentations

- **Swapna Bandam** presented "**Inure Avocation Unit**"
- **Shane Chubb** presented "**Fault-Tolerant Multi-User Virtual World Server with Erlang**"
- **Tarek El-Walik** presented "**Front Desk Program**"
- **Michael Jeffords** presented "**StructureScan Mini Viewer for Ground Penetrating RADAR Data**"

Bei Wang, an undergraduate student, graduated with a Bachelor of Science in Computer Science from Rivier College in May 2011. **Michael Baley, Swapna Bandam, Daniel Christians, Shane Chubb, Nigel D'Souza, Tarek El-Walik, Kevin Gill, Douglas Selent, and Swapna Welling**, graduate students, graduated with a Master of Science in Computer Science from Rivier College in May 2011. ■

* **Dr. Vladimir V. Riabov**, Professor of Computer Science and Department Coordinator at Rivier College, teaches Introduction to Computing, Algorithms, Networking Technologies, Computer Security, Software Engineering, Software Quality Assurance, 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 120 articles in encyclopedias, handbooks, journals, and international and national conference proceedings, including *The Internet Encyclopedia*, *The Handbook of Information Security*, *The Handbook of Computer Networks*, *International Journal of Computers and Structures*, *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.