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Friday's Speaker Grid

Track			
	App. Devo & Infrastructure Room 210	Technology & IT Management Room 211	Professional Development Room 201
8:00 AM	REGISTRATION		
9:00 AM	Turbo-charging Agile Software Project Management with Customization, Adaptation and Systems Thinking Satish Thatte	The Mailbox rule securing an evidential presumption Michael W. Hoffman	So you want me to do more? Jay Griesser
10:00 AM	Web Site Accessibility Mike Barlow	Current Legal Issues Frederic M. Wilf	Do College Curriculums Match the Needs of the IT Industry? Donn Morrill and Robert Kratzke
11:00 AM	Operational profile usage in web application performance testing Rajesh Chellamani	Cloud Computing - A fad or the future? Manoj Pooleery	The Magical Mystery Hour, or the Myth of a Matrixed Development Staff – Step Right This Way! Howard Deiner
12:00 PM	LUNCH & FACILITATED NETWORKING SESSION		
1:30 PM	Best Practices in Distributed Software Development Kamran Ozair	Information Technology in the Public Sector: Public Safety Networks Arthur P. Tomasino	Developing the Next Generation of Cyber Security Talent: Penn State Initiatives Richard Norman Watson
2:30 PM	Application Development for Social Networks Michael Redlich	Square Pegs/Round Holes: Toolset Strengths and Weaknesses Robert Gezelter	Working in 21st Century Environment - A few tips to Survive & Thrive Bala Prasanna
3:30 PM	Simple Windows 7 Deployments, Big and Small James Mikusi	New Techniques in Carrier Ethernet Mehmet Toy	Architecture for Applying Social Networking to Improve Business Efficiency Andres Fortino

Friday – 9:00 AM – Room 210

Turbo-charging Agile Software Project Management with Customization, Adaptation and Systems Thinking

Satish Thatte, Ph.D.

New Synergy Group

Abstract: Agile software development and project management methods (such as Scrum) are proving that they can deliver high value to customers, while increasing productivity of software producers without sacrificing quality. Agile methods are enjoying growing momentum in software industry. I will present an overview of agile software project management (values, principles, key methods and best practices), followed by how to customize and adapt agile methods and best practices to fit well with your enterprise needs and culture, and to deliver more value. Customization and adaptation methods are driven by the need for project scalability, distributed global delivery, and integration with existing business and development processes. I will also present how agile methods need to be supplemented by applying systems thinking and system dynamics to address the software system archetypes (deep systemic problem patterns), such as “Brook’s Law”, “Cool new features trash the schedule”, “Forever 95% done syndrome.”

Bio: Satish Thatte received his M.S. and Ph.D. degrees in Electrical Engineering from the University of Illinois at Urbana-Champaign. He has over 30 years of industry experience in a variety of technology areas (VLSI systems, object-oriented software, telecommunication, Internet applications, digital TV, IT professional services, etc.) and management positions (R&D management, software development management, software product management, IT professional service management, etc.). His industry experience covers large F-500 and multinational companies (Texas Instruments, Bellcore and LG Electronics), and a number of entrepreneurial companies and start-ups. He has extensive experience of customizing and adapting agile software development methods in a number of companies to deliver client-specific IT services as well as commercial software products. Dr. Thatte is a Senior Member of the IEEE and a Member of the ACM. He holds 14 patents (13 US and one International). Dr. Thatte is the CEO of New Synergy Group, a software consulting and intellectual property development company.

Friday - 9:00 AM - Room 211

The Mailbox rule securing an evidential presumption

Michael W. Hoffman

Maselli Warren, P.C.

Abstract: Mr. Hoffman, Mr. Wade and Rebecca T. Mercuri, Ph.D. are presently drafting an article concerning the “mailbox” rule and related computer forensics regarding securing an evidential presumption and/or proving evidentially that an electronic mail sent was in fact received and read by the intended recipient. By extending the application of the mailbox rule from ordinary paper mailings to electronic mail, Mr. Hoffman argues that the law may then recognize a presumption that most electronic mail sent is in fact received by the intended recipient so long as the mailing is properly, electronically addressed. Mr. Hoffman will discuss the arguments in favor of such extension of the law of evidence and Mr. Wade will discuss related computer forensics concerning proof of sending and receipt by way of electronic mail return-receipt, confirmation of downloading and/or printing of the mailing.

Bio: Mr. Hoffman is an attorney with the law firm of Maselli Warren, P.C., Princeton, New Jersey. Mr. Hoffman engages in commercial litigation often encountering discovery issues concerning “electronically stored information” or “e-discovery.” Mr. Hoffman is a 1994 graduate of Syracuse University College of Law and a 1991 graduate of Rutgers University, Livingston College majoring in political science. In 1994, Mr. Hoffman served as judicial law clerk to the Honorable E. Benn Micheletti, J.S.C. (ret.). Mr. Hoffman has previously moderated and presented at the New Jersey Institute for Continuing Education on the topic of “spoliation” and commercial litigation and has previously spoken to students learning computer science at The College of New Jersey through adjunct professor, Dr. Rebecca Mercuri.

George A. Wade, Sr., MSECM, DFCP, CISSP

Mr. Wade is a Director in the Forensic Accounting and Litigation Support Group of Sobel & Co., LLC, an accounting and consulting firm in Livingston, New Jersey. Mr. Wade focuses exclusively on high-tech investigations, information security and corporate investigations. Previously, Mr. Wade served as a Regional Security Manager for Lucent Technologies in its corporate security department. Mr. Wade has taught numerous classes on computer forensics, investigations and internet crime at New York University and the National Law Enforcement and Corrections technology Center. Mr. Wade earned his Bachelor of Science in information and systems science at Stockton State College and his Masters of Science in economic crime management from Utica College where he graduated summa cum laude.

Friday – 9:00 AM – Room 201

So you want me to do more?

Dr. Jay Griesser

Abstract: Software Engineers are being asked to improve their productivity. There is global competition for software development work. Productivity and time to market are concerns of software managers. What does the current research reveal regarding Software Engineers productivity? How does productivity, software quality and overall projects success impact Software Engineers motivation? I will review current research on Software Engineers motivation including, job characteristics theory, motivation controllers and moderators, and intrinsic and extrinsic motivators. Are there cost effective ways to increase productivity? Does demographics play a role in productivity? What techniques can be used to improve software Engineers motivation leading to productivity gains?

Bio: Dr. Griesser was Director of Software Engineering and Technology in Cleveland, Ohio. Dr. Griesser has taught information system and management courses for universities in the greater Cleveland area since 1983. His educational accomplishments include a D.B.A. from Nova-Southeastern University, Ft. Lauderdale, FL; M.B.A. and B.S. from Baldwin-Wallace College, Berea, Ohio; and A.B. from Lorain Community College, Lorain, Ohio. He has written several articles in the computer science and management field. Dr. Griesser has presented findings to the I.E.E.E. Society, World congress on Expert Systems, Change Management and Motivation of Information System Professionals. He currently is managing the implementation of a major Software Improvement effort for his organization, and has just completed a “Benchmark/Best Practices” effort. Dr. Griesser is a Certified Information Systems Auditor (CISA) and Project Management Professional (PMP). Dr. Griesser has over thirty years experience in the Information Systems Profession, serving all organization levels ranging from entry-level to senior management. Dr. Griesser has consulted in the software-engineering and project management field. He has recently won the Kerzner award for leadership in project management. Dr. Griesser is a Lean 6 Greenbelt and principle of Cypress IT Project Consulting Group. He is currently is a volunteer mediator for the state court system.

Friday – 10:00 AM – Room 210

Web Site Accessibility

Mike Barlow

Abstract: Approximately 19% of Americans have at least one or more disability, including visual, hearing, physical mental and others which prevent them from achieving the full benefit of the Internet and many Web sites in particular.

Even before signing into law the Section 508 Amendment of the Rehabilitation Act of 1973, which requires that Federal organizations abide by specific accessibility guidelines for electronic and information technology, there has been a determined effort for many other organizations to implement their Web Sites in a fashion which is more accessible to individuals with disabilities.

This presentation will attempt to enlighten our audience on how various organizations are going about achieving more accessible web sites.

Bio: Mike has been involved in the computer industry since practically the start of personal computing.

Mike has been working with the Lotus Notes/Domino platform since the Beta of Version 2 in 1991 and has lectured at several Lotusphere Conferences in Florida (including the first Lotusphere back in Dec of 1993).

In recent years Mike has concentrated on more web-based applications (particularly Web 2.0), including the use of AJAX and JSON as well as Application Integration combining the power of Lotus Domino with Websphere, DB2, MS-SQL Server, MySQL, PHP and .Net

Most recently Mike has started working as a Government Contractor, involved in certification and accreditation and Web Application Accessibility.

Friday – 10:00 AM – Room 211

Current Legal Issues

Frederic M. Wilf

Morgan, Lewis & Bockius

Abstract: This talk will address current legal issues in information technology, including intellectual property protection, digital rights management, privacy, security, online issues, and recent cases and laws. Please bring your questions and concerns, so that we may discuss them.

Bio: Frederic M. Wilf is an experienced attorney with Morgan, Lewis & Bockius [www.morganlewis.com], which has 1200 attorneys practicing law in over 20 offices around the world. Fred practices information technology, intellectual property and business law from Morgan Lewis's offices in Princeton and Philadelphia. Fred's clients range from one-person start-ups to Fortune 100 companies. Fred has been speaking at Trenton Computer Festival since the 1980s, and still relishes getting new questions and tackling cutting-edge issues.

Friday – 10:00 AM – Room 201

Do College Curriculums Match the Needs of the IT Industry?

Donn Morrill and Robert Kratzke

TGP Associates

Abstract: Information technology is one of the most steady sources of job creation in America, consistently staying ahead of pace in workforce studies by the Dept of Labor. So why are graduates having a tough time finding jobs? Companies are leveraging technology at faster pace, rapidly changing to gain competitive advantage in their industry. Technologies as little as two years old are becoming obsolete.

On the other hand college curriculums, in many cases, have not changed to meet the needs of industry. Why is this the case - what is the impact on the IT industry? The authors will propose solutions to meet both student and business needs through partnerships with educational institutions, private businesses and technology vendors.

Bio: Donn Morrill is chairman of the New York Technology Council and a partner in the consulting firm TGP Associates. Donn's 20+ year career encompasses a broad spectrum of experiences from embedded systems design to financial systems development and award-winning website creation. Donn has architected and managed technology projects for blue chip organizations such as Verizon Communications, Morgan Stanley, Time Warner, and the USA's General Services Administration. Donn holds a B.S. in Computer Science and an MBA from the Rochester Institute of Technology.

Robert Kratzke has been an expert in the IT education industry for 15 years. As Director of NetCom Information Technology, Robert has helped lead NetCom from a local NY training provider to an industry leader that was recognized by Microsoft as Their Worldwide Training Partner of the Year. Over his career Robert has had leadership roles in the both the corporate training business with the world's largest provider as well as in the academic sector, as Director of IT Programs for Hofstra University. Robert also has part led IT training programs for the largest actively involved with many IT Associations including the International Association of Microsoft Certified Partners as Vice President, CompTIA, NY Tech Council, was a Founding Member of Long Island Forum for Technology IT Committee.

Friday – 11:00 AM – Room 210

Operational profile usage in web application performance testing

Rajesh Chellamani

CT a Wolters Kluwer Company

Abstract: Web application performance engineering is very important as many companies are taking advantage of the web to extend their reach to potential customers.

Identifying and addressing potential performance bottlenecks early in a project development lifecycle will help save time, money and reduce stress and fatigue of software developers. This leads to successful product launch and improves customer satisfaction from all perspectives.

Conducting performance tests on a web application are executed to validate an application's conformance to performance objectives. Many tools are available to performance test web applications in a test environment before deployment to production servers.

Performance testing web applications to ensure successful product launch is challenging for the following reasons:

1. Setting up a test environment with the same capacity as production system is costly
2. Simulation of production load in test environment is not trivial
3. Code version and platform version variations in test and production environment are different

This presentation will enumerate an operational profile based performance testing approach. It also contains a process for evaluating application implementation architecture to identify potential performance bottlenecks early in a project development lifecycle.

Bio: Rajesh Chellamani is an architect at "CT a Wolters Kluwer Company". As a member of the web application engineering team at CT, Rajesh has helped analyze and fix many application performance issues. In 2008, he worked extensively researching on performance analysis techniques to identify performance bottlenecks during application design phase of a project as well as performance issues in production sites. Currently, Rajesh is working on creating capacity models using queuing theory to identify server consolidation opportunities as well as server capacity predictions. Rajesh has a masters degree in Computer Science from New York University.

Friday – 11:00 AM – Room 211

Cloud Computing - A fad or the future?

Manoj Pooleery

Columbia University

Abstract: Technology has progressed so far that having superior hardware is no longer a differentiator for businesses. In this more or less level playing field, can the Cloud - any type - public, private or hybrid - help you provide your service or product faster, cheaper, etc? Or is it going to be another passing fad that will disappear with time, like many of its predecessors? In this talk we will discuss the concepts that constitute a Cloud Computing framework such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS), relate it to its predecessors and reason why it might stay, or not.

Bio: Manoj Pooleery is an IT professional with over 15 years of experience. Currently, he is working at the Center for Computational Learning Systems (CCLS) as a Program Manager. He manages the Smart Grid program for CCLS interacting with the Consolidated Edison Company of New York, as well as other partners. In addition, he also manages several other projects in the Energy and Health Informatics domains. Prior to CCLS, he was the Chief Architect at Cigna International Expatriate Benefits, a Health Insurance provider for expatriates. He defined and implemented the Enterprise Architecture strategy for the organization. He was with Synogy Inc, an Enterprise Performance Management organization prior to Cigna. He was with them for about 4 years. He was part of the initial team that established the company's presence on the web and played a crucial role in making them the market leaders in the web-based EPM software arena.

Friday – 11:00 AM – Room 201

The Magical Mystery Hour, or the Myth of a Matrixed Development Staff – Step Right This Way!

Howard Deiner

Valtech Technologies

Abstract: Modern development organizations face challenges in the face of the recurring realities of staff depletion due to diminishing budgets. But the show must go on! Common wisdom tries to eke efficiencies by matrixing their resources into silos of expertise and stretching their budgets by outsourcing labor. But projects fail at an alarming rate, and much of the root cause is due to these very practices. But all hope is not lost. Agility in the development staff and management chain can help. Or, as Dr. Bradford, in the “One Hour” episode of Numb3rs said, “You want to feel better? Take a pill. You want to get right? Face the truth.”

- The Issue: How Can My Organization Cope With Less Staff?
- Solution One: The Hollywood Model!
- Why Isn't One Resource + One Resource Equal To Two Resources?
- Why Doesn't 25% + 25% + 50% Equal 100%?
- Why Contracted Outsourcing Isn't Worth The Paper Its Printed On
- Where, Oh Where Does The Time Go?
- Solution Two: The Agile Team Approach
- How To Deal With Multiple Streams of Development Projects
- How To Deal With Development Versus Support Issues
- How To Deal With Non-Collocated Team
- Questions, Comments, and Debate

Bio: Howard Deiner is a Senior Consultant for Valtech Technologies, focusing on Education Services in general, and Agile Practices in particular. He has a varied background spanning 35 years in the industry, with extensive domain knowledge in commercial software, aerospace, and financial services. He has played many of the roles in the development arena, such as developer, analyst, team lead, architect, and project manager.

When not mentoring and developing organizations, he has also dabbled in the executive office, and wears the battle scars of the DotCom revolution proudly. He has applied the principles of Agile and XP Development in teams both large and small, for in-house as well as commercial environments, both in an organic setting, as well as the ordained setting. Howard has educated dozens of teams, and made Agile principles come to life in many settings.

Howard has degrees in Computer Science and Electrical Engineering from SUNY at Stonybrook, as well as a Juris Doctor from Thomas M Cooley School of Law. Howard is a long standing member of the ACM and IEEE. He resides in Northern New Jersey with his wife, and in their spare time, they breed Maine Coon cats as a counterpoint to the world of technology.

Friday – 1:30 PM – Room 210

Best Practices in Distributed Software Development

Kamran Ozair

MindTree

Abstract: As the world has flattened many a times software is developed in a distributed manner with teams spread out across the globe. The requirements may be gathered in US and certain pieces developed in Russia while others being done in India. This talk will discuss how to best manage such a process, what are some good practices to adopt and what are some pitfalls to avoid. It will also delve into real life case studies with teams distributed across two or more regions in the world.

Bio: Kamran Ozair is Executive Vice President and Chief Technology Officer in MindTree. Ozair oversees technical competence creation, technology direction, building key alliances and the financial planning for MindTree's Technology Practices for IT Services. He also gets involved in complex and distributed projects for MindTree.

Prior to co-founding MindTree, Ozair was a director at Cambridge Technology Partners, where he prescribed e-Business architectures for Fortune 1000 companies. While at Cambridge, he led some of the largest and most complex Internet projects within the company, including multi-million dollar consumer sites, a large extranet application and mentoring a group of technical architects.

Ozair holds a Bachelor of Arts degree in computer science and engineering sciences from Dartmouth College, Hanover, N.H., and a Masters degree in computer science with a concentration in artificial intelligence from the University of Wisconsin, Madison.

Friday – 1:30 PM – Room 211

Information Technology in the Public Sector: Public Safety Networks

Arthur P. Tomasino

Bentley University

Abstract: In recent years, public safety agencies at various levels of government have joined together to share information and communicate when faced with public safety incidents. Interagency collaboration initiatives of this nature result in the creation of Public Safety Networks (PSNs).

PSNs are limited in their ability to communicate and share information with other agencies even though they have the technology in place to do so within their own boundaries. PSNs may originate at any level of government, and their user base may span a single or multiple geographies. A joint research program by Bentley, Syracuse and Penn State Universities seeks to help agencies realize the value of joining together to design, develop and deploy information and communications technologies to support policing, criminal justice, public safety and homeland security. In this research, we pursue two main questions about cross-agency communications and information sharing:

1. Why do public safety collaborations occur in some places and not others?
2. What makes public safety collaboration successful?

In order to answer these questions, we are pursuing both theoretical and empirical paths. Our theoretical contributions to date include the identification of the major forms of public safety networks, and contrasting theoretical explanations regarding design decisions for both collaboration infrastructure and governance, focusing on institutional and rational choice theories.

On the empirical front, we have developed a state-by-state data set of public safety networks. Currently, we have identified 75 initiatives across 44 states. We have gathered data on 30 attributes of each initiative, as well as over 40 independent variables for each of the 50 states, which include public safety, police/justice and computing issues. Other accomplishments to date include significant progress on three case studies (CapWIN, JNET and ARJIS) and identification of other collaborations for additional in-depth study. This figure demonstrates the range of issues that is addressed in this study.

The purpose of this talk will be to introduce PSNs as a field in Information Technology, disseminate our findings and suggest areas for future research, development and collaborations. We welcome discussions with members of the professional, policy, and academic communities who are interested in public safety networks

The Public Safety Networks Study, projects #IIS-0534877 & #IIS-0534889, is sponsored by the National Science Foundation.

Friday – 1:30 PM – Room 201

Developing the Next Generation of Cyber Security Talent: Penn State Initiatives

Richard Norman Watson
Pennsylvania State University

Abstract: Cyber security has never been more important to protecting our nation's infrastructure. In response to the recent cyber attacks on Google, the United States government has made information assurance a top priority. Unfortunately, a shortage of trained cyber security professionals has left our nation vulnerable to attack. To combat this problem, faculty and students at Penn State's College of Information Sciences and Technology are working to build the next generation of cyber warriors. The following presentation will discuss the Security and Risk Analysis major, as well as highlight cyber research efforts within the University. It will also provide an overview of the extracurricular activities available to students interested in cyber security. Ideas for cyber recruitment of high school students will also be discussed.

Bio: Richard Watson is an undergraduate student at Penn State dual majoring in Security and Risk Analysis and International Politics. In the summer of 2009 he worked for Lockheed Martin's Information Systems and Global Services branch performing information assurance work. He is the Director of Corporate Relations for the Security and Risk Analysis Club at Penn State and has given talks on wireless networking security and cyber intrusion analysis. He is currently working for the International Center for the Study of Terrorism under Dr. John Horgan, where is helping to analyze terrorist groups.

Friday – 2:30 PM – Room 210

Application Development for Social Networks

Michael Redlich

ExxonMobil

Abstract: Social Network websites such as Twitter, Facebook, and LinkedIn have emerged over the past few years and have gained popularity as a means of keeping in touch with current friends and reconnecting with old friends, classmates, and colleagues.

Developers have also been jumping on the social network bandwagon. There are APIs for Facebook and Twitter, for example, such that developers can create their own custom applications and for users to access their favorite social network(s) on their mobile devices. How many of you have a BlackBerry or iPhone with a Twitter, Facebook, and/or LinkedIn application installed on it?

This seminar will discuss social network integration along with a source code review of a small sample application using the Twitter API and/or the Facebook API to demonstrate what you, the developer, can create.

Bio: Michael Redlich is a currently a Senior Research Technician at a petrochemical research organization in Clinton, New Jersey with extensive experience in developing custom web and scientific laboratory applications. Mike also has experience as a Technical Support Engineer for Ai-Logix, Inc. where he provided technical support and developed telephony applications for customers. He has been a member of the Amateur Computer Group of New Jersey (ACGNJ) since 1996, and currently serves on the ACGNJ Board of Directors as Past-President. Mike has also been facilitating the monthly ACGNJ Java Users Group since 2001. His technical experience includes object-oriented design and analysis, relational database design and development, computer security, C/C++, Java, and other programming/scripting languages. Mike has co-authored a number of articles with Barry Burd for Java Boutique. He has also conducted seminars at Emerging Technologies for the Enterprise since 2008, Trenton Computer Festival (TCF) since 1998, TCF Professional Conference since 2006, and other venues including Princeton Java Users Group, Capital District Java Developers Network, and New York Software Industry Association (NYSIA) Java Users Group. Mike serves as a Coordinator of the company's Science Ambassador program where he has conducted numerous science demonstrations and served as a science fair judge for various elementary schools in central New Jersey. Mike holds a Bachelor of Science in Computer Science from Rutgers University.

Friday – 2:30 PM – Room 211

Square Pegs/Round Holes: Toolset Strengths and Weaknesses

Robert Gezelter

Robert Gezelter Software Consultant

Abstract: Tools often produce comparable end results by different pathways. The choice of tool for a given purpose can have dramatic effects on cost, security, maintainability, and other areas. These effects are completely predictable.

File transfer is one common case. There are several ways to transfer files between systems. FTP, HTTP, and Kermit are but three choices out of a wider universe of options. Each option has strengths and weaknesses. Often, analysis is skipped in favor of a preferred solution. This “everything is a nail” approach does a disservice to all.

This session will examine some examples of different technologies, and how the differences affect everyone, from end users to implementers.

Bio: Robert Gezelter has over 30 years of experience consulting on Information Technology matters and is a Contributing Editor of the Computer Security Handbook, 5th Edition.

Mr. Gezelter has also spoken and published extensively on operating systems, networks, performance, security, tools, and similar areas. Since 1985, he has spoken worldwide for organizations including ACM, Connect, IEEE. He holds BA and MS degrees in Computer Science from New York University.

Mr. Gezelter is in private practice, with clients ranging from the Fortune 10 to small businesses, both locally and internationally. He maintains his offices in Flushing, New York. He can be contacted via his firm’s www site at <http://www.rlgsc.com>.

Friday – 2:30 PM – Room 201

Working in 21st Century Environment - A few tips to Survive & Thrive

Bala Prasanna

IEEE - Institute of Electrical & Electronics Engineers

Abstract: Workplace habits and expectations have changed significantly in the last few years. Surviving and thriving depends on your ability to grasp the broader picture and adopting. Topics of discussion include - handling a round-the-clock job; setting aside think place/think time regularly, training a back-up; playground vs. battleground attitude/aptitude; finding & developing sweet spot of issues for resolution; managing your boss (yes), managing relationships (creating your angels), thinking like a manager-"I am just technical, don't bother me with bureaucratic processes/" does not cut it any more!; handling personal vs. professional attitudes/opinions; some habits of successful people; talents vs. skills (recognize & use your talents - it is a gift you have), skills - train to acquire necessary skills; productivity - tracking and yearly increments(/like it or not/!), customer/vendor relationships); seeing or seeking comfort in spiritual or philosophical terms.

Bio: Bala Prasanna is a senior IEEE member active as a volunteer for several years in several roles including Region 1 NJ Coast Section Chair & presently as R1 Humanitarian Technology Coordinator. coordinator.

After a career in AT&T Bell Labs for 23 years, he works as program manager in IBM, Middletown, NJ.

Friday – 3:30 PM – Room 210

Simple Windows 7 Deployments, Big and Small

James Mikusi

Web-Kong.com

Abstract: Upgrading software is a challenging endeavor especially without the right management tools. Magnify that tenfold when upgrading Operating Systems. Fortunately Microsoft provides the necessary tools to make these challenges manageable with the Deployment Workbench and Application Compatibility Testing (ACT) utilities.

The attendee will learn how to install and configure Windows Deployment Workbench for Windows 7 upgrades or fresh imaging. They will learn about Lite-Touch installs as well as Zero-Touch enterprise installations using Windows System Center. Additionally they will learn about ACT and how it can be used to determine if Line-of-Business applications are compatible with Windows 7.

Bio: Jimi Mikusi is the CIO and Senior Information Architect of Web-Kong, a Small Business focused information solutions provider.

Friday – 3:30 PM – Room 211

New Techniques in Carrier Ethernet

Mehmet Toy, Ph.D

MT Networks, LLC

Email: mtoy054@yahoo.com

Abstract: Ethernet is a dominant technology for enterprise networks. With the introduction of Carrier Ethernet, Ethernet is becoming the choice of transport technology for service providers to offer broadband services.

In this talk, I will describe the techniques for Carrier Ethernet Service Operations, Administration and Maintenance (SOAM) and their usage by service providers and end users.

Bio: Mehmet Toy received B.S and M.S in Electronics and Communications from Istanbul Technical University and Ph.D in Electrical and Computer Engineering from Stevens Institute of Technology. He is currently President of MT Networks, LLC in NJ, USA.

Prior to his current position, Dr. Toy held executive, management and technical positions in ADVA Optical Networking, Intergenix Inc., Intel Corp., Verizon Wireless, Axiowave Networks, Fujitsu Network Communications, AT&T Bell Labs and Lucent Technologies.

He served as an Assistant Professor at University of North Carolina and taught at various universities including Worcester Polytechnic Institute and New Jersey Institute of Technology as an Adjunct Professor.

Dr. Toy received various awards for his work at Bell Labs and IEEE. He is mostly known for his work in Asynchronous Transfer Mode and Carrier Ethernet areas.

Dr. Toy has numerous publications in data networking and in signal processing areas. He is the author of the IEEE video tutorial “ATM Switching System Management via Open Interfaces” and of the edited books “ Optical Networking I”, “Optical Networking II”, and “ATM Development and Applications” that were published by IEEE.

He is a Sr. Member of IEEE, served in IEEE Network Magazine Editorial Board and Guest Editorial in IEEE Communications Magazine, and chaired committees of IEEE Communications Society and IEEE USA.

Friday – 3:30 PM – Room 201

Architecture for Applying Social Networking to Improve Business Efficiency

Dr. Andres Fortino

Polytechnic Institute of NYU

Abstract: Social networking technologies that enhance personal communications have recently proliferated to the point of explosive use. Individuals across all society and cultural settings naturally and routinely use Web 2.0 tools such as wikis, blogs and social networking sites such as Facebook or LinkedIn for personal purposes. The penetration of these technologies into the popular culture has been pervasive and very successful and leads by far their use at the professional or business level. People have begun to use these personal networking tools in the workplace for business purposes, which has become a major concern to CIOs. Chief technology executives in organizations are hard pressed to be proactive and deploy these technologies to improve business communications as a way to maintain business competitiveness as well as to regulate their use from a security and an IT governance perspective. At NYU-Poly we have created an architecture of social networks and a process of analysis to help CIOs understand how to engineer the application of these technologies to their business environments in a rational manner and in a way that produces economic value while safeguarding security.

The architecture of the social networking space applied to business needs consists of categorizing business communication modes based on the distinct characteristics. To date we have identified four major modes of business use of these communication technologies: professional networking, professional communication, professional knowledge bases and professional collaboration. This paper will describe the resulting taxonomy and the attributes of the four basic groups. Major social networking products in each of the four spaces will be compared and rated against the characteristics of each business use mode and each other.

We will describe the process by which we assist the CIO in justifying, implementing and virally diffusing the necessary technologies once a need is identified. The system implements a process of identifying “killer uses” and “killer apps” which will be described. Additionally, considerations are presented to handle the important issue of security when using social networking tools for business purposes.

Bio: Dr. Andres Fortino has been associate provost of Polytechnic Institute of New York University and dean of the University’s Long Island and Westchester campuses since 2006. In his role, Dr. Fortino leverages his expertise in engineering, technology and management to bring graduate education to greater New York area companies. He has created and managed over a dozen graduate programs in engineering and management.

Dr. Andres Fortino was previously Dean of the AACSB-accredited School of Management at Marist College in 2004-2006. From 1998-2004 he served as Associate Dean for Academic Development as well as director of the MBA and Technology Management programs at George Mason University.

He holds bachelor's and master's degrees in electrical engineering from the City College of New York and received his PhD in electrical engineering from the City University of New York. Dr. Fortino has lectured extensively on technology worldwide and has led more than 180 high technology seminars for Learning Tree International over seventeen years with the company. He also worked for IBM Corporation in its Advanced Technology Division where he was awarded three patents and ten invention disclosures and received IBM's First Invention Level Award for his work in semiconductor research.

Dr. Fortino is a Senior Member of IEEE, a member of the Society for Information Management, the Academy of Management, and the Technology Management Educational Association. He is a Visiting Professional Fellow at Cambridge Fitzwilliam College and a Fulbright Senior Technical Specialist. Dr. Fortino served as CIO for a mid-sized non-profit for twelve years. He serves on the New York State CIO Council.

The author of eight books, Dr. Fortino has practiced the application of information technology to solving business problems for the past 30 years. His scholarship has also focused on innovation management, information systems development, intellectual property management, data networks, CIO education and the diffusion of innovation and the greening of the IT function. He has published over forty papers and made over eighty technical presentations.

Saturday – 10:15 AM – Room SSB 2

IT and Ethics: Guidelines for Professionals

Robert Gezelter

Robert Gezelter Software Consultant

Abstract: Computing traditionally has been about what could be done, not the ethics of doing something. The unprecedented adoption of Internet technologies worldwide has transitioned computing from an isolated technical activity with few ethical implications to a technology that often raises ethical questions. Clarity is important on all sides, users, implementers, and operators. Implementations such as Twitter, Google Buzz and Chatroulette are merely examples. Mundane examples such as remote systems management of desktops and portable devices also raise ethical questions. These are not merely philosophical questions; some of these decisions can have significant impacts and liabilities. This session will discuss the ethical issues that affect IT, from applications implementation to operations.

Bio: Robert Gezelter is a Senior Member of IEEE and an alumnus of the IEEE Computer Society's Distinguished Visitors Program. He holds BA and MS degrees in Computer Science from New York University, and is a Contributing Editor of the Computer Security Handbook, 5th Edition. He has spoken and written extensively on operating systems, networks, performance, security, tools, and similar areas. Robert Gezelter is in private practice and maintains his offices in Flushing, New York. He can be contacted via his firm's www site at <http://www.rlgsc.com>.

Saturday – 11:20 AM – Room SSB 2

Open Source Systems Applications

Christopher Peckham

Henry Bros. Electronics

Abstract: Henry Bros. Electronics has been deploying a wide variety of open source systems over the last two years. These systems touch every aspect of the business including sales lead tracking, time reporting, and asset management. Open source systems are also used for the company's internal portal and a client-facing reporting engine as well as some of the company's file servers, for the monitoring of the networks and services, and for backups and PBX services. This presentation will discuss how the company uses open source software in these areas, and plans to deploy more systems in the future.

Bio: Christopher Peckham has served in a variety of senior information technology, network engineering and operations positions during his 20-year career. He is presently the CIO/CSO of Henry Bros. Electronics, a provider of technology-based integrated electronic security systems, services and emergency preparedness consultation to commercial enterprises and government agencies. Christopher received his BS, MS, and PhD in Electrical Engineering from NJIT and an MBA from Rutgers University.

Saturday – 12:25 PM – Room SSB 2

Introduction to Agile Methods - Fact or Fiction?

Matthew Ganis

IBM/Pace University

Abstract: Agile software development methods have been proposed as a way to accelerate an organization's speed to market while increasing their stakeholder satisfaction with the finished product. By forming development teams that work in close collaboration with a stakeholder, teams have produced products that not only meet and exceed expectations, but do so in a way that tends to introduce less error prone code. In this session I will introduce agile and iterative methods, and examine the various practices used in their execution. Real world implementations will be presented and I will attempt to dispel the various rumors and urban legends that tend to plague the would-be adopters of these new methods.

Bio: Matthew Ganis is a Senior Technical Staff Member (and Certified Scrum master) at IBM. He is the IBM Community of Practice leader for Agile@IBM, helping to change the way software is created within IBM. Matthew is a member of the steering committee for New York City's chapter of the APLN (Agile Project Leadership Network) and serves on the editorial board of the International Journal of Agile and Extreme Software Development. He has authored a number of papers and books on his experiences with Agile methods, including the recently released Practical Guide to Distributed Scrum published by IBM Press.

Saturday – 1:30 PM – Room SSB 2

Internet Job\$\$\$

Donald Hsu

Dominican College

Abstract: Twitter, Internet III, the war is over and stock is way up. Yes, the economy is coming back, but in a jobless recovery. Retirees cannot wait to get back to work. Golfing and fishing are boring. Eighty percent of people have jobs from Internet. Accounting needs 2.1 million by 2016 (Sarbanes Oxley, forensics, QuickBooks, PeachTree, MS Dynamics, small business accounting); application developers (C++, Java, C#) - thousands of jobs, but no applicants; database (MySQL, MS Sql server, Oracle 11g, SAP, Sybase, Data Warehouse), starting at \$80,000; networking (Cisco, Info Security, A+, Network+); systems (Unix, Linux, Vista, Window 7); business intelligence (Project Manager, Global Finance, sales/marketing of tech product/service). Computer majors are down 50 to 80% in US universities. This means more jobs for you and me. Bring a resume and get a free critique from the speaker.

Bio: Donald Hsu is a professor at Dominican College and President of the Chinese American Scholars Association. He has taught 70 subjects from Accounting to Unix, and worked for 31 firms with 8800+ clients/students. Recently one student got a job at Microsoft Corporation, one got a job with AT&T and one got an IT job with the Obama Administration!

Saturday – 3:40 PM – Room SSB 2

Career Planning for Technical Professionals

Ernest Schirmer

Acentech, Inc.

Abstract: We know we will experience change during our careers, but the rate of change makes a big difference. Some would describe the rapid changes taking place in industry as exciting and challenging while, at the same time, others are concerned their jobs will be eliminated tomorrow. This presentation will give an overview of career planning, job search strategies, how new technologies may affect your career, where to get salary surveys, and how to stay current.

Bio: Mr. Schirmer is Director of Technology Consulting for Acentech, Inc. and the Managing Director of Acentech's Trevoise, PA office. Prior to joining Acentech, Mr. Schirmer was Vice President of Technology Consulting with Syska Hennessy Group consulting engineers in New York City; Director of IT Infrastructure Design for CUH2A, an architectural and engineering firm with headquarters in Princeton, NJ and a Senior Associate with the international consulting firm of Shen Milsom and Wilke Inc. in New York City.

Mr. Schirmer earned his MBA in Information Systems from Binghamton University and holds degrees in economics, business administration and electrical engineering technology. He is a member of the Institute of Electrical and Electronics Engineers (IEEE), vice-president of education for the Association of Information Technologies (AIT-Global), former chairman of the Continental Automated Buildings Association (CABA) Task Force 3 on intelligent buildings systems, an infoComm International Certified Technology Specialist, a BICSI Registered Cable Distribution Designer (RCDD), Network Transport Systems (NTS) specialist and serves on the BICSI Higher Education information technology infrastructure Standards committee. Mr. Schirmer is a frequent speaker at industry functions and has authored articles for numerous trade publications.