Promoting Information Technology Growth

March 2014 Edition

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O-ISC 2014 – Ohio Information Security Conference

Introduction to SQL Server 12 – Part One
Welcome! The Ohio Information Security Conference is a technical conference targeted to business owners, managers, and security professionals who have a vested interest in protecting their company’s information and communication systems. The conference is hosted each year by Technology First at Sinclair Community College and will offer three breakout tracks and three keynote presentations.

The Breakfast Keynote speaker this year will be presented by Melia Kelly, Security Consultant, Trustwave. Ms. Kelly will discuss The Bad Boys of Cybercrime and will give insight into newsworthy credit card and point of sale breaches. She will cover how, why, and when this is happening and the impact on the business world.

The luncheon keynote will be Kim L. Jones CISM, CISSP, CRISC, and Senior Vice President & Chief Security Officer for Vantiv. In Mr. Jones’ presentation, Surviving PCI-DSS 3.0 he will discuss the current status of the PCI-DSS regulation, the impact of the latest updates, as well as considerations for achieving compliance on a limited budget.

Richard H.L. Marshall, Esq., CEO and Chairman of the Board for Secure Exchange Technology Innovation will present the reception keynote. Prior to this role he served in key leadership roles in protecting public and national security interests and served several US Presidents in critical leadership positions. Mr. Marshall previously was a member of the Senior Cryptologic Executive Service (SCES) and the Defense Intelligence Senior Executive Service (DISES). Mr. Marshall will discuss National Security and Economic Implications of Our “Open Door” Cyber Practices.

This year is the 11th annual Ohio Information Security conference. Again, it has been organized by local information security professionals to focus on emerging trends and share on industry insights. They are certain this event will provide a networking environment to meet and learn from professionals around the state who share similar challenges and requirements. We would like to recognize those committee members contributing to the success of the conference.

Dave Rotman  . . . . . . . . . . . .Cedarville University
Deral Heiland  . . . . . . . . . . . .Rapid7
Steve Walker  . . . . . . . . . . . . .Premier Health
Dave Salisbury  . . . . . . . . . . . .University of Dayton
Jay Schwitzgebel . . . . . . . .CareSource
John Hermes . . . . . . . . . . . . .OIS Forum
Craig McComb . . . . . . . . .University of Dayton
The 11th annual Ohio Information Security Conference (OISC) focuses on three areas/tracks: management, technical, and implementation. Target audience is anyone responsible for security policy, administrative decisions, or technicians responsible for security implementation and effectiveness.

### Registration and Breakfast

- **Breakfast Keynote:**
  - **The Bad Boys of Cybercrime,** Melia Kelley, Security Consultant, Trustwave - Charity Auditorium

### Networking and Exhibition Time

<table>
<thead>
<tr>
<th>Room #</th>
<th>9:45-10:45</th>
<th>10:45-11:10</th>
<th>11:10-12:10</th>
<th>12:10-1:30</th>
<th>1:45-2:45</th>
<th>3:00-4:00</th>
<th>4:10 - 5:00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Video Evidence &amp; e-Discovery</td>
<td>Fun with Ethical Hacking</td>
<td>Threat Models that Exercise Your SIEM and Incident Response</td>
<td>Advanced Analytics for Breach Detection and Data Protection</td>
<td>Bruce Roton, Level 3</td>
<td>Mark Pannek, Executive Consultant</td>
<td>National Security and Economic Implications of Our “Open Door” Cyber Practices</td>
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<td>Apolonia Garcia, HealthGuard</td>
<td>CED and Chairman of the Board, Secure Exchange Technology Innovation</td>
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### Keynote Speakers

**MORNING KEYNOTE:**

**The Bad Boys of Cybercrime**

Melia Kelley, Security Consultant, Trustwave

Melia Kelley is a Security Consultant at Trustwave - the advanced security team focused on penetration testing, incident response, and application security. She has over eight years of experience in computer forensics and eDiscovery. Prior to working at Trustwave, Melia worked as a Digital Forensics consultant for a large international eDiscovery company, overseeing complex data mapping, forensic acquisitions, and digital forensic investigations. She also spent time in Iraq performing Media Exploitation as a civilian during Operation Iraqi Freedom.

Melia is an EnCase Certified Examiner (EnCE), Certified Computer Examiner (CCE), and GIAC Certified Forensic Examiner (GCFE). She is also a SANS “Lethal Forensicator” - an award given to those who demonstrate exceptional talent or contribution to the DFIR field. She is the author of the blog “Girl, Unallocated,” which was nominated for Forensic 4 Cast Digital Forensic Blog of the Year in 2012.

Melia has presented at multiple conferences, including the DFIRSummit SANS 360 and PFIC. She has also authored multiple CLE Certified Courses on Digital Forensics and eDiscovery.
LUNCH KEYNOTE:
SURVIVING PCI-DSS 3.0
Kim L. Jones, Sr. Vice President & Chief Security Officer, Vantiv

The recent breaches within the merchant space have once again called attention to importance of protecting the payment process and cardholder data. In the presentation, Kim Jones will discuss the current status of the PCI-DSS regulation, the impact of the latest updates, as well as considerations for achieving compliance on a limited budget.

RECEPTION KEYNOTE:
NATIONAL SECURITY AND ECONOMIC IMPLICATIONS OF OUR “OPEN DOOR” CYBER PRACTICES
Richard H.L. Marshall, Esq., CEO and Chairman of the Board, Secure Exchange Technology Innovation

The predicted “Cyber Pearl Harbor” has occurred. Did you miss it or did you just not notice? How do we balance the economic and social costs of protecting intellectual property, personal privacy, national security and consumer confidence in our increasingly connected world? Whose responsibility is it to make those decisions? Corporate CEOs, the President, the Congress; an individual action on behalf of a vested interest, or is it a decision of individual choice made by you and me? There are no easy answers but there are intelligent questions. Let us begin to have that needed public debate in a rational and realistic manner.
OHIO INFORMATION SECURITY CONFERENCE 2014

RISK COMMUNICATION: IMPROVING SECURITY DECISION MAKING BY PUTTING THE RIGHT INFORMATION IN THE RIGHT HANDS.

Apolonio Garcia, President, HealthGuard

According to recent reports published by the IT risk practices of Deloitte and EY, many security organizations are failing to keep pace with the "velocity and complexity of change" that they face today. To close the gap IT and security leaders need to build more robust risk management and communication strategies.

BIO: Apolonio "Apps" Garcia is the founder and President of HealthGuard, an Information Security consultancy that specializes in the healthcare industry. Apolonio has over 15 years of IT and business management experience, including 10+ years practicing in areas of information security and information risk management.

ATTACKING AND DEFENDING FULL DISK ENCRYPTION

Tom Kopchak, Senior Security Engineer, Hurricane Labs

Many organizations are flocking to full disk encryption solutions as a solution for data security requirements. Unfortunately, many of those installations view this technology as a panacea for any and all security concerns for their laptop fleets. All too often, these systems are neither properly configured nor adequately tested.

BIO: Tom is a Senior Security Engineer at Hurricane Labs, and has a background in Computing Security and Information Security (MS), Applied Networking and System Administration (BS), digital forensics, and data storage technologies. He has presented at security conferences in Cleveland, Chicago, and Las Vegas.

ADVANCED ANALYTICS FOR BREACH DETECTION AND DATA PROTECTION

Bruce Roton, Director Security Solutions Architecture, Level 3 Communications

Bruce will start with a review of the current and emerging cyber threat landscape and an analysis of attack trends. He’ll then explore traditional models for infrastructure security and the reasons why these strategies are so often failing. Next, he’ll explain how advanced network analytics can be used to detect indicators of compromise, and how those indicators of compromise can be leveraged to create real-time protection systems. Bruce will then take an in-depth look at the experiences of a critical infrastructure provider using Level 3 as an example environment to demonstrate the global threat landscape and mitigation techniques described. He concludes with recommendations for cost-effective risk management.

BIO: Bruce Roton has over 36 years of experience in the Information Technology industry with the past 10 years focused on information security and security operations management. He is currently the Director of Security Solutions Architecture at Level 3 Communications. Prior to this position he spent over 7 years at Verizon’s Cybertrust Network Division as a Security Engineering Manager, and Director of Security and Cloud Engineering for the Government and Education sector. He has also held positions as a Security Consultant, Security Network Systems Engineer, Federal Account Executive, Regional Marketing Director, Director of Customer Support and senior programmer (both applications and C#).

WHAT’S WRONG WITH INFORMATION SECURITY TODAY?

Jeff Foresman, Partner, Pondurance

This presentation will review the current state of Information Security in 2014 and the problems organizations face. We will look at data breaches from 2013 and then we will discuss problems with securing corporate networks such as end-users, phishing and malware. The presentation will include a case study of an organization that was breached, how it happened and what could have been done to prevent it.

BIO: Jeff Foresman is a founding partner of Pondurance. Jeff manages the compliance practice that specializes in PCI, HIPAA, ISO27001 and NST 800-50 advisory services. He also assists clients with developing and implementing information security programs to meet regulatory compliance. Prior to starting Pondurance, Jeff worked for the PCI Security Council, Rentel, Verizon Business and Sarcom. In addition to his consulting and management duties, Jeff is also the acting president of the Central Indiana Information Security Associations.

IS YOUR THERMOSTAT LEAKING YOUR PERSONAL INFORMATION?

Harry Regan, Director of Commercial Security Services, Securicon

As utilities roll out Smart Grids, and home management and building automation applications proliferate, and as smart medical and personal devices get deployed, vast amounts of sensitive and exploitable information is being broadcast with little oversight and protection. Is your network perimeter really where your firewalls are?

BIO: Harry Regan is Director of Commercial Security Services for Securicon. He has 30+ years experience with security of IT, building and industrial control systems. He has been a speaker at RSA, Computer Security Institute, BSides and other conferences, on the effectiveness of various security technologies.

INTRODUCTION INTO WINDOWS SERVER 2012 DYNAMIC ACCESS CONTROL

Evan Anderson, Consultant, Wellbury Information Services

Windows Server 2012 introduced a new resource access control mechanism, Dynamic Access Control (DAC), complementing the NTSI ACP model. This presentation describes DAC functionality and implementation details. DAC can move security boundaries far beyond Active Directory. Understanding DACs can revolutionize the way you control access to your servers, compliance personnel, and penetration testers.

BIO: Evan Anderson has been a partner at Wellbury Information Services since 2004. His IT security work has included application and network penetration testing, security architecture reviews, rdblue team exercises, and training.
This presentation is a thought provoking exploration of Info Security considerations with Outside Service Providers (OSPs).

This session provides an overview of the changing Regulatory Environment in Financial/Health Care, Info Security Risks associated with OSPs, Due Diligence, Contractual Considerations, and ongoing monitoring.

**BIO:**
Mark Pannek has an MBA in Strategic Leadership with 25+ years Senior Management experience (Domestic & International) in Risk Management, Compliance, and Outsourcing for Tier I Financial & Health Care Corporations. Mr. Pannek has implemented numerous GRC, Enterprise Risk, and Third-Party Risk programs for companies such as Chase Bank, Cit, Fidelity, etc.

**BLINDSIDE; THE LARGEST INFO SECURITY RISK YOU DON’T KNOW ABOUT**

**Mark Pannek, Governance, Risk, & Compliance (GRC), Executive Consultant, Tier I - Corporations (Financial & Healthcare)**

You can’t monitor offline attacks against apps downloaded from iTunes and Google Play, but you can teach your developers how to develop and deploy a secure mobile app. This presentation includes tips, tricks, and tools you can use to get the job done.

**BIO:**
By day, Jerod (@slandail) is CTO & Principal Security Consultant with Jacadis, an award-winning security solutions and services provider. By night, he’s a husband, father, writer, filmmaker, martial artist, musician, gamer, and social media junkie. Jerod has over a decade of infosec experience. He spent years as an Information Security Specialist with American Electric Power before moving to Abercrombie & Rich. At A&F, Jerod built out and managed the information security program. His approach to infosec has two key tenets: don’t be afraid to void warranties, and you shouldn’t need to bypass security to get your work done.

**Jerod Brennen, CTO & Principal Security Consultant, Jacadis**

If your “cloud” is compromised, what data will you have available for analysis? When you are involved in civil litigation and the courts are requesting electronic data that you have stored in the cloud, how will you ensure that it will be available to you and not inadvertently destroyed?

**BIO:**
Bill Dean is the Director of Computer Forensics for Sword & Shield Enterprise Security. Dean has more than 15 years of experience in the technical field in roles such as programmer, systems support, enterprise systems design and engineering, virtualization, digital forensics, and information security. In 2005, he was recognized as the primary architect for an Intel virtualization/server consolidation project and was awarded Network World’s “Enterprise All Star” and “InfoWorld’s Top 100 Projects”. Since that time, Dean has focused his career on the specialties of information security, electronic discovery, digital forensics, incident response. He served as the technical expert and provided Federal Court testimony in the 7th largest eDiscovery case in 2007 and is an expert witness involving a wide variety of issues involving computer forensics. Dean is a frequent speaker and published author on the topics of computer security, digital forensics and electronic discovery for numerous legal and technical associations. He possesses an associates degree in Computer Science and a baccalaureate degree in Information Technology from East Tennessee State University. Additionally, he is a Certified Computer Examiner, GIAC Certified Incident Handler, GIAC Certified Penetration Tester and GIAC Certified Forensic Analyst. He is also an active member of the International Society for Forensic Computer Examiners and InfraGard.

**Bill Dean, Director of Computer Forensics, Sword & Shield Enterprise Security, Inc.**

**THE REALITY OF CLOUD FORENSICS**

*Room #127 3:00 pm - 4:00 pm*

*FOR THE LOVE OF GOD, DEFEND YOUR MOBILE APPS!*  

*Room #120 3:00 pm - 4:00 pm*
Designing Website Asset Caching with Scalatra

By: Jared Armstrong, Omnispear

Regardless if you spent countless hours writing pretty CSS and JavaScript or you just need to package Bootstrap and jQuery in your application the last thing you need to worry about is loading all of your assets individually. This can wreck your sites loading times and rendering performance. Scalatra being a lightweight framework for building straight forward applications and APIs doesn’t come with a prescribed solution, though WRO4J can step in to assist us with this process. We will step through the configuration of WRO4J, SBT, and finally the inclusion of these into your layouts.

To configure WRO4J we will first add it into our Build.scala or Build.sbt file. We will add a dependency in the following manner:

```scala
libraryDependencies ++ Seq(
  "org.isdc.wro4j" % "wro4j-core" % "1.4.0",
)
```

We then need to configure our wro.xml file for our Bootstrap and jQuery assets:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<config>
  <groups xmlns="http://www.isdc.ro/wro"/>
  <group name="core">
    <css minify="false"/>
    <css minify="false"/>
    <css minify="false"/>
    <css minify="false"/>
    <css minify="true"/>
    <js minify="false"/>
    <js minify="false"/>
    <js minify="false"/>
    <js minify="false"/>
    <js minify="true"/>
    <js minify="true"/>
  </group>
  <group name="bottom">
    <js minify="true"/>
  </group>
</config>
```

Followed by our wro.properties file which defines our WRO4J usage:

```properties
coreUpdatePeriod=0
modelUpdatePeriod=0
debug=false
disableCache=false
guiLockedResources=true
ignoreMissingResources=false
jsEnabled=true
preProcessors=cssImport,semicolonAnalyzer
postProcessors=cssMinJava,jsMin
```

Now we will adjust our layouts to point to the new compiled asset:

```html
<link href="/assets/core.css" rel="stylesheet" />
<script src="/assets/core.js"></script>
```
While this is running you should see a local development speed improvement similar to the table below. This result will be amplified when the application is running remotely in a production environment.

To make this capability suit our needs better in development and to additionally be used for Cache Busting in production we can also add a versioning output to our SBT build process. This will create a file that holds version information and a build number from our Jenkins CI, which we will use to determine the build state and to append to the URL to bust the cache.

To create our version.sca file add the following code to your Build.scala file:

```scala

```n

We also need to make sure that Scalate will see this class in scope during runtime.

In Build.scala replace:

```scala

```n

With:

```scala

```n

Now we can update our layout file with a condition that will automatically switch between development and production inclusions of our assets with a Cache Busting scheme.

```html
```
To verify your BUILD_NUMBER handling will work and be passed from Jenkins or your other build system of choice you can run the command example below. Then verify that your assets have switched properly and you are seeing minified and gzipped responses.

```bash
$ sbt -Dbuild.number=234 "container:start" ~/.scm-copy-resources:aux-compile
```

An alternative solution would be to use the SBT WRO4J plugin. However, we feel the above method is slightly cleaner and easier to work with for our development process.

The example project for this is available on github. We also would like to thank those whom helped with the initial help with the generation of the Version.scala.
Introduction to SQL Server 12 – Part One

By: Srividhya Venkatasubramanian, Segue Technologies

Microsoft SQL Server 2012 is a full-featured relational database management system (RDBMS) that offers a variety of administrative tools to ease the burdens of database development, maintenance, and administration. Some of the frequently used tools in SQL Server 2012 are SQL Server Management Studio, SQL Profiler, SQL Server Agent, SQL Server Configuration Manager, SQL Server Integration Services, and Books Online.

SQL Server Management Studio

SQL Server Management Studio (SSMS) is the main administrative console for SQL Server installations. You can perform high-level administrative functions that affect one or more servers, schedule common maintenance tasks, or create and modify the structure of individual databases. You may also use SSMS to issue quick queries directly against any of your SQL Server Databases. Here are some examples of tasks you can perform with SSMS:

- Create SQL Server table.
- Tune SQL Server performance with the database engine tuning advisor.
- Configure SQL Server Database auditing.
- Set up SQL Server Database replication.

SQL Profiler

SQL Profiler provides a window into the inner workings of your database. You can monitor many different event types and observe database performance in real time. SQL Profiler also allows you to capture and replay system “traces” that log various activities. It’s a great tool for optimizing databases with performance issues or troubleshooting particular problems. As with many SQL Server functions, you can access SQL Profiler through SQL Server Management Studio.

SQL Server Agent

SQL Server Agent allows you to automate many of the routine administrative tasks that consume database administrator time. You can use SQL Server agent to create jobs that run on a periodic basis, jobs that are triggered by alerts, and jobs that are initiated by stored procedures. These jobs may include steps that perform almost any administrative function, including backing up databases, executing operating system commands, running SSIS packages and more.

SQL Server Configuration Manager

SQL Server Configuration Manager is a snap-in for the Microsoft Management Console (MMC) that allows you to manage the SQL Server services running on your servers. The functions of SQL Server Configuration Manager include starting and stopping services, editing service properties, and configuring database network connectivity options. Some examples of SQL Server Configuration Manager tasks include:

- Starting SQL Server Agent service.
- Encryption SQL Server Database connection.

SQL Server Integration Services

SQL Server Integration Services (SSIS) provide an extremely flexible method for importing and exporting data between a Microsoft SQL Server installation and a large variety of other formats. It replaces the Data Transformation Services (DTS) found in earlier versions of SQL Server.

Books Online

Books Online is a resource provided with SQL Server that contains answers to a variety of administrative, development, and installation issues. You can access SQL Server 2012 books online at msdn.com.

This provides a good understanding of the basic tools and services associated with SQL Server 2012. While SQL Server is a complex, robust database management system, this core knowledge will be helpful for database administrators in management of SQL Server.

For more information on the features found in SQL Server 2012, please check out my next article Introduction to SQL Server 2012 - Part Two, which will be coming soon.
The 2014 Digital Mixer held February 20 at Wright State University was a huge success. Thanks in part to all the committee members who went above and beyond to inform students about this casual networking event and to help local employers find students with the critical IT skills they need to further grow their business.

This year’s Digital Mixer had a record number of students in attendance. With a grand total of 131 students from Wright State with 53 students, University of Dayton with 35 students, Sinclair Community College with 32 students, Clark state with 4 students, Cedarville University with 3 students, Wilberforce with 1 student and Wilmington College with 1 student attending employers had plenty of talented individuals to choose from.


Thank you again to all the committee members for your help and support making the Digital Mixer a must attend event for both students and employers.

Committee members:
- Stephen Hall — University of Dayton
- David Salisbury — University of Dayton
- Amy Tanaka — University of Dayton
- Jason Eckert — University of Dayton
- Jessie Jones — Sinclair
- Eric Renegar — Sinclair
- Matt Massie — Sinclair
- Aaron Sigritz — Wright State University
- Lance Cauley — Wright State University
- Ann Gallaher — Technology First
- Russ Bennett — Technology First
ASQ (American Society for Quality) is a global community of people dedicated to quality who share the ideas and tools that make our world work better. With individual and organizational members around the world, ASQ has the reputation and reach to bring together the diverse quality champions who are transforming the world’s corporations, organizations and communities to meet tomorrow’s critical challenges.

The Dayton, OH section for ASQ Worldwide consists of professional members, student members and member organizations who provide support to Dayton area businesses and professionals related to Quality topics via regularly scheduled monthly section meetings, committee and subcommittee focus groups, free training opportunities/workshops, local plant tours, community involvement and professional networking.

We strive within the Dayton section to customize our section activities to meet the local needs of our members and member organizations while adhering to the guidelines provided by ASQ Worldwide. As a smaller, local group, the Dayton section is able to concentrate our activities on the precise needs of the local area. Our 400 plus local members represent the variety of businesses in the Dayton area including manufacturing, health care, education, military, research and technology.

Our “Free Saturday Workshops” have covered a variety of topics that can be used by any professional, even those outside the quality area. Past hands-on (activity based) workshops included Basic and advanced Statistics, Design of Experiments, Problem Solving Techniques, Change Management, and Measurement Systems. Our members are facilitators and donate their time so that we can offer our members educational value through no-cost education.

We try to offer one Saturday workshop per month, except for the June through September period. We hold them at Sinclair Community College, building 13, from 8:30 to noon. Our meetings have been at the Montgomery County Education Services Center (MCESC) on Springfield Street and we also hold them at Sinclair or other places in the region.

Another meeting we participate in is the “MVCS Fall Joint Meeting” held in September. Its focus is to bring together Miami Valley professionals from computing and technology societies (Affiliate Societies Council http://www.ascdayton.org/). This meeting is open to everyone, but does have the cost for the meal. Sandy Feola (Sandra.feola@sinclair.edu) is the ASQ Fall Joint committee contact. We are planning the September 2014 meeting and looking for input on topics and speakers in April!

Our members’ roles span from inspectors, to managers, directors, consultants, technicians, professors, engineers, project managers, and more. Our membership reaches as far north as Sidney, down through Springboro/Middletown, and east/west from Richmond to Springfield. We like to have joint meetings with other societies whenever possible! It’s a great way to network. All are welcome to participate.

For more information please visit: www.asqdayton.org

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**American Society of Quality (ASQ)**

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Digital Content Specialist / SEO ........................ Shumsky
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Software Developer ...................................... Ardent Technologies Inc.
Inner Office Support ................................. CommSys, Inc.
Software/Hardware Facilitation ......................... CommSys, Inc.
Technical Support / Help Desk ......................... CommSys, Inc.
Systems Manager ...................................... Dayton Metro Library

For more information about these jobs and other jobs, please visit:
http://www.technologyfirst.org/component/employment_exchange
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Miami Valley Research Park, 1900 Founders Dr., Kettering
03/10-03/17, 8:30am-5:00pm, $3,584

Java Programming

Intensive and hands-on, this 5-day course emphasizes becoming productive quickly as a Java™ application developer. This course quickly covers the Java language syntax and then moves into the object-oriented features of the language. Students will then use several of the provided API packages, such as I/O streams, collections, Swing GUI programming, threads, and accessing a database with JDBC. This course includes and extensive suite of labs. It is current to Java 7 and uses the Eclipse IDE.

Miami Valley Research Park, 1900 Founders Dr., Kettering
03/10-03/14, 8:30am-5:00pm, $2,489

Developing Android Mobile Apps for Business

The Android OS platform has overtaken the mobile device marketplace. Android has become the dominant operating system for tablets and smartphones, not to mention a myriad of other gadgets such as digital picture frames, streaming TV servers, and so forth. In this course, you will learn how to develop and publish an Android app, focusing on developing business apps for tablets and smartphones that are compatible with a wide variety of Android versions and device layouts.

Miami Valley Research Park, 1900 Founders Dr., Kettering
03/19-03/21, 8:30am-5:00pm, $1,650

Unleash your creative potential with Adobe Creative Suite!

Adobe Dreamweaver CS6

In this course, you will use Adobe Dreamweaver to create web pages while focusing on the content, styling, and design. As you construct the web pages, Dreamweaver will competently create the XHTML, CSS, and JavaScript required.
03/12, 8:30am-4:30pm, $400

Adobe Photoshop CS6

Adobe Photoshop CS6: Part 1 focuses on some of the basic features of Photoshop so that the student can navigate the environment and use Photoshop tools to work with photographic images. In addition, the orientation to Adobe Bridge and organization of files in Bridge is covered.
04/02, 8:30am-4:30pm, $400

Adobe Illustrator CS6

This course focuses on Illustrator CS6, the component within CS6 used to create “drawn” graphics, while enabling its users to integrate content from other domains. With Illustrator’s many tools, you be able to capture multiple ideas during the creative process in ways that you never imagined.
04/09, 8:30am-4:30pm, $400

UPCOMING COURSES

February 2014
Microsoft Project 2010: Level 1
02/14-14, 8:30am-5:00pm, $600

CompTIA Security+ Module 12 for CEUs
02/26, 8:00am-noon, $399

Agile Essentials
Cowよew Campus, 5196 Courtyard Dr., Bldg. A, Mission
02/04, 8:00am-2:00pm, $400

Presenting Profil
02/13, 8:00am-4:00pm, $399

Microsoft SharePoint Site User
02/13, 8:30am-4:30, $300

March 2014
CompTIA Security+ Module 12 for CEUs
03/06, 8:00am-noon, $399

Microsoft SharePoint Foundation 2013: Site Administrator
03/28, 8:30am-4:30pm, $400

April 2014
CompTIA Security+ Module 13
04/07-14, 8:00am-noon, $399

May 2014
CompTIA Security+ Module 14 for CEUs
05/01, 8:00am-noon, $399

Introduction to Access 2010
Sinclair Community College, Hig 12
05/01, 12:30-4:30pm, $149

Access 2010 “Beyond Beginners” Series
05/01, Queries & Tools
05/13, Forms & Reports
Sinclair Community College, Hig 12
12:30-4:30pm, Each session: $45, $149 for single session

All classes are held at Miami Valley Research Park, 1900 Founders Dr., Kettering unless otherwise noted.

Not seeing a class you’re looking for? Contact us today! 937-252-9787 workforcedevelopment@sinclair.edu www.sinclair.edu/workforce

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