No	区分	Type	Title	Contents
1		AC2601-L	AC2601-L - A Dynamic Lab on Dynamic Block Creation in Autodesk® AutoCAD® Do you have a bloated block library due to many variations of the same block? Let’s take a door for example: because of different door widths, directions, thicknesses, and... View More90 Minutes Hands-on Lab Tracy Chadwick	Do you have a bloated block library due to many variations of the same block? Let’s take a door for example: because of different door widths, directions, thicknesses, and other variables, you can easily find yourself with hundreds of blocks. Let’s reduce that to one dynamic block that has the ability to take on those hundreds of variations. In this hands-on lab, you have the chance to make your own dynamic blocks that you can take back to work with you and instantly increase your productivity.
2	R	CI1411	CI1411 - Engineering Art: Large-Scale Infrastructure Modeling Through 3D Visualizations Based on the successful construction of a sustainable water reuse (purple pipe) project, this class breaks down the steps for managing large diameter (20 inch +) waterlines... View More60 Minutes Lecture Jennifer Taylor	Based on the successful construction of a sustainable water reuse (purple pipe) project, this class breaks down the steps for managing large diameter (20 inch +) waterlines on major (5+ miles) projects. We show the basics for modeling existing utilities, managing updates to utility models based on test pit data, and pulling from the Autodesk® AutoCAD® Civil 3D® road design toolset to develop waterline models. As we begin to dive into the pressure pipe tools of Civil 3D 2014, we discuss the transition to those new features. Next, we show you how to market the process of design on infrastructure projects, so as to show the 3D elements of what’s still delivered as 2D paper plans. With expansive projects, the use of Autodesk® InfraWorks™ software has provided a great set of tools for quickly compiling data from multiple sources into a single location and present visualizations based on active design files to clients and the community.
3		MP3917	MP3917 - BIM to Field and Back Again The past decade has seen many changes to both design software and data collection hardware. Methods that were once considered the norm now seem archaic in the eyes of today's... View More60 Minutes Lecture Mark Billingsley	The past decade has seen many changes to both design software and data collection hardware. Methods that were once considered the norm now seem archaic in the eyes of today's engineers and field specialists who utilize new technologies such as the cloud to share information in real time. It is the overall seamless connection between design and field execution that has taken the industry to a new level—allowing for advanced productivity and a more seamless workflow. These once-siloed areas of construction and building management now work together in an integrated fashion. Learn how to take advantage of hardware and software solutions for BIM mapping and data collection that will ultimately improve the overall efficiency of your business.
4	R	CI1270	CI1270 - Making Something from Nothing: Integrating Autodesk® InfraWorks™ into Your Design Have you encountered any challenges when creating an urban-scale 3D model? How can you start a design proposal with an area that has no existing information, such as... View More60 Minutes Lecture Joseph Huang	Have you encountered any challenges when creating an urban-scale 3D model? How can you start a design proposal with an area that has no existing information, such as topography maps, aerial photos, and engineering data? This class focuses on workflows and tips and tricks that can enable you to better create, evaluate, and communicate conceptual designs using Autodesk InfraWorks, Autodesk® AutoCAD® Civil 3D®, and Autodesk® Revit® software. We also demonstrate the comparison of using Autodesk® Navisworks® software and Autodesk® BIM 360™ Glue® cloud-based software in various cases in order to choose the suitable workflow for your design.
5		BO2354	BO2354 - Survive and Thrive: Best Financial Practices to Start and Stay in Business In this class, veteran financial advisor Kathryn Amenta—who has counseled small businesses for over 25 years—breaks apart the myths and misconceptions of running a small... View More60 Minutes Lecture Kathryn Amenta	In this class, veteran financial advisor Kathryn Amenta—who has counseled small businesses for over 25 years—breaks apart the myths and misconceptions of running a small business. She offers best practices for managing and operating a small business, from the crucial first steps to the strategies and tactics that will make your business survive and thrive. Amenta also demonstrates what it takes to adapt and prosper through shifts in the economy and industry. Other featured topics include hiring, payroll, billing, advisory boards, business plans, specialization, partnerships, wearing multiple hats, website marketing, business location, perks and discounts, renting versus purchasing, salary, and work hours.
6		AV3167	AV3167 - Using Storytelling to Create Compelling Experiences with Autodesk® 3ds Max® Autodesk 3ds Max Design software is a great tool for generating high quality visuals, but today’s audience expects more. This class introduces the art of storytelling as a... View More60 Minutes Lecture Ian Hooper	Autodesk 3ds Max Design software is a great tool for generating high quality visuals, but today’s audience expects more. This class introduces the art of storytelling as a means to create compelling experiences that communicate (and sell) design intent and meaning. In our increasingly competitive and visually-oriented society, sophisticated presentations are more important than ever before. Learn how to reconcile the persuasive goals of a presentation with the indulgent demands of the modern audience. Starting with an understanding of the language and repertoire of storytelling techniques, this class guides you through a basic knowledge of rendering and animation features to more complex workflows with characters and real-time ready assets within a narrative framework. Discover the storytelling secrets of Hollywood and Madison Avenue to sell your designs using 3ds Max Design.
7		CI1754-R	CI1754-R - BIM for Infrastructure in Concrete Terms Civil engineers have used 3D model-based design for over 2 decades, so the line between CADD and BIM is not clear. Using examples drawn from real bridge, tunnel, highway and... View More60 Minutes Roundtable Francesca Maier	Civil engineers have used 3D model-based design for over 2 decades, so the line between CADD and BIM is not clear. Using examples drawn from real bridge, tunnel, highway and transit projects, we discuss how to differentiate between CADD and BIM. We find a place for analytical models, introduce terminology, such as "level of development" (LOD), and identify how goals, processes, products, and applications differ through the project lifecycle. We also make sense of CADD Standards, construction plans, and 3D deliverables in the context of a BIM workflow that manages liability. We document our discussion in a Venn diagram that helps to communicate what BIM means for infrastructure.

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8		CI1550	CI1550 - Hydraulics and Hydrology: The Water Resource Tools Available in Autodesk® Infrastructure Design Suite Autodesk has given us a variety of water resource tools in Autodesk Infrastructure Design Suite. If you are a manager or a designer, you need to know if you can stop paying... View More60 Minutes Lecture Dino Lustri	Autodesk has given us a variety of water resource tools in Autodesk Infrastructure Design Suite. If you are a manager or a designer, you need to know if you can stop paying maintenance on competing software and move your organization forward with a single suite of tools. You want to know what is in the suite from someone who does what you do and if it can do the things you need it to do. In this class, you get a better understanding of what equations are being used in which applications and how to find the right fit for the project requirements that are being passed on down to you. We review Storm Sewers, Hydrographs, Express Tools, SSA, and River Analysis. You also learn some tips and tricks that those who already are familiar with these tools can use.
9		GS3256-R	GS3256-R - Autodesk® InfraWorks™ For Emergency Management In emergency situations, it is critical that information be clear, free from ambiguity and easily understood by a range of individuals and organizations. At the City of... View More60 Minutes Roundtable Dan Campbell	In emergency situations, it is critical that information be clear, free from ambiguity and easily understood by a range of individuals and organizations. At the City of Vancouver, we are recognizing how presenting data in 3D, rather than using traditional 2D maps and diagrams, improves comprehension of complex situations and reduces the possibilities for misunderstandings. In this roundtable session, we discuss how we are using Autodesk InfraWorks software to consolidate data from a wide range of CAD and GIS (with a specific focus on MapInfo Professional®) sources to produce output to improve major event planning. We cover how we have applied specific tools, including "line of sight" analysis, animation, and thematics. We also discuss how the City is using InfraWorks to present data related to earthquake and flood mitigation produced by FEMA's Hazus application.
10		AC2241-L	AC2241-L - Autodesk®360 with AutoCAD® 360 Web/Mobile: How Powerful Are These Tools? Ever since Autodesk® web services and mobile applications were first introduced—Autodesk® AutoCAD® 360 (formerly AutoCAD® WS) and Autodesk® 360 cloud-based services—Andrzej... View More75 Minutes Hands-on Lab Andrzej Jaskulski	Ever since Autodesk® web services and mobile applications were first introduced—Autodesk® AutoCAD® 360 (formerly AutoCAD® WS) and Autodesk® 360 cloud-based services—Andrzej Jaskulski has run his yearly “Autodesk Authorized Author Spring Laboratory” which has explored the advantages and disadvantages of this solution. Each year, after tests were complete, he has written a new book for a well-known training series in Poland called AutoCAD–Design Course. In this hands-on-lab, he shares his knowledge and experience on the power of these tools, identifies their strong and weak points, and explains how to avoid problems in individual and concurrent design workflows. Attendees have the opportunity to practice with desktop, mobile, and cloud configurations. They should also be able to assess how effective this solution can be in their business or design office. To benefit from this class, attendees should have a basic knowledge of Autodesk® AutoCAD®.
11		CI2254-R	CI2254-R - Developing BIM 4 Infrastructure for the UK Government BIM Initiative This class provides an overview of how Autodesk and Atkins are supporting the UK Government BIM Task Group in delivering a strategy for BIM to add value throughout the... View More60 Minutes Roundtable Anne Kemp	This class provides an overview of how Autodesk and Atkins are supporting the UK Government BIM Task Group in delivering a strategy for BIM to add value throughout the lifecycle of infrastructure projects. A number of public sector clients with significant asset portfolios are involved in the work including the Highways Agency, Environment Agency and Network Rail. The UK BIM initiative proposes clearly defined and consistent information exchange (“data drops” currently based on COBie) at specific decision points along the project lifecycle, to allow clients to validate progress against need and to populate asset data records. Examples of infrastructure clients’ approach to managing asset data are highlighted, showing the information exchange mechanisms being tested and rolled out as part of the general move forward with BIM across the UK infrastructure industry, particularly through integration of geospatial data management and use of the tools in Autodesk® Infrastructure Design Suite.
12		AC2507	AC2507 - Start to Finish with Autodesk® Infrastructure Design Suite: A Case Study Learn to harness the collective power of Autodesk Infrastructure Design Suite by applying Autodesk® AutoCAD® Map 3D, Autodesk® AutoCAD® Civil 3D®, and Autodesk® InfraWorks ™... View More60 Minutes Lecture Donnie Gladfelter	Learn to harness the collective power of Autodesk Infrastructure Design Suite by applying Autodesk® AutoCAD® Map 3D, Autodesk ® AutoCAD® Civil 3D®, and Autodesk® InfraWorks™ software, as well as Autodesk® 360 cloud services in concert through a real-world case study of a road revitalization and walkability project. In addition to software interoperability, workflows highlighted in this class include identifying land acquisition requirements, establishing and communicating land acquisition values with stakeholders, generating and analyzing conceptual proposals in the context of existing conditions, finalizing engineering design, and creating immersive online models for the public and project stakeholders to interact with. In summary, this class demonstrates the concept that “there’s always money in the BANANA (build absolutely nothing anywhere near anything) stand” when stakeholders are engaged by your proposals.
13		AV3521-R	AV3521-R - Storytelling Roundtable: Creating Compellin Experiences with Autodesk® 3ds Max® and Autodesk® 3ds Max® Design Engage with 2 principal designers of Autodesk 3ds Max and Autodesk 3ds Max Design software in a roundtable discussion about the art of storytelling as a means to create... View More60 Minutes Roundtable Ian Hooper	Engage with 2 principal designers of Autodesk 3ds Max and Autodesk 3ds Max Design software in a roundtable discussion about the art of storytelling as a means to create compelling presentations. Ian Hooper and Kelcey Simpson will show how to use the language and repertoire of storytelling techniques with the capabilities available today in 3ds Max and 3ds Max Design. Come and exchange experiences in crafting a narrative framework and learn how to bring your designs to life.

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14		AC2660-L	AC2660-L - Annotation Scaling in AutoCAD®: Bringing the Technology Home Learn how to implement annotation scaling in your organization. Whether you would like to start with baby steps or go full bore, in this class you can learn all levels of... View More75 Minutes Hands-on Lab KaDe King	Learn how to implement annotation scaling in your organization. Whether you would like to start with baby steps or go full bore, in this class you can learn all levels of migrating these tools into your daily workflow. Learn about annotation scaling and how it works with hatching, text, linetype scale, dimensions, and all of the other options. See how you can "bring this technology home," improve your productivity, and reduce unnecessary hours spent on annotations. This class is designed to assist you in building a new workflow for annotation in your organization.
15		GS2644	GS2644 - Beyond 3D in Autodesk® InfraWorks™: Simulate What Happens in Your Real-World Models This class covers the use of Autodesk InfraWorks software to create a visual representation of not only the world outside our office's windows, but also to display the... View More90 Minutes Lecture Stefano Toparini	This class covers the use of Autodesk InfraWorks software to create a visual representation of not only the world outside our office's windows, but also to display the results of dynamic phenomena that evolve for real in the represented territory. Starting from CAD, GIS, or other data related to territory, many software applications can simulate the evolution of events such as atmospheric dispersion of fumes or the diffusion of pollutants or noise. However, many of these applications usually produce just raw data as results in tabular form, or they require a digital artist to convert the results to a form everybody can understand. In this class, we demonstrate techniques to prepare data for simulation applications, elaborate them, and then bring the results of the analysis into the visually rich and geometrically correct context provided by Autodesk InfraWorks.
16		CI1470	CI1470 - Under Pressure: Pressure Networks in Autodesk® AutoCAD® Civil 3D® Modeling a water distribution system has always been a tedious process. Autodesk AutoCAD Civil 3D software offers tools that will greatly assist you with this process. For... View More90 Minutes Lecture Brian Hailey	Modeling a water distribution system has always been a tedious process. Autodesk AutoCAD Civil 3D software offers tools that will greatly assist you with this process. For horizontal layout as well as vertical layout, Civil 3D can model just about any situation you will run into. In this class, we see how to create a 3D model of our water distribution system, edit the system to account for those design changes, and analyze it for design errors. Note that this class does not get into hydraulic analysis.
17		CI1671	CI1671 - Tunneling Design in Autodesk® AutoCAD® Civil 3D® and Autodesk® Revit® Structure Learn how to create tunnel sections and corridor modeling solids for tunnels in Autodesk AutoCAD Civil 3D software. Learn how Civil 3D interacts with Autodesk Revit Structure... View More90 Minutes Lecture Edmundo Herrera	Learn how to create tunnel sections and corridor modeling solids for tunnels in Autodesk AutoCAD Civil 3D software. Learn how Civil 3D interacts with Autodesk Revit Structure software and how to manipulate tunnel solids, obtain drawings, and create reports, volumetrics, and visualization in Revit Structure. Finally, learn how to model a tunnel natively in Revit Structure and export it to Civil 3D.
18		PL3677-P	PL3677-P - Autodesk® Vault for the Enterprise: Evaluation, Implementation, and Integration The class provides an overview of the overall process of implementing Autodesk Vault software in an integrated systems environment. Follow the process of our company’s... View More90 Minutes Lecture Michael Dorland	The class provides an overview of the overall process of implementing Autodesk Vault software in an integrated systems environment. Follow the process of our company’s journey from the first steps of assessing existing conditions to a final vision of integration with other systems and workflows.
19		AC3121	AC3121 - Using Autodesk® AutoCAD® Sync and the Autodesk® 360 Web and Mobile App to Be Productive This class covers the use of Autodesk Sync from inside of Autodesk AutoCAD and Autodesk® AutoCAD LT® software. We take a close look at using a combination of Autodesk Sync... View More90 Minutes Lecture Bud Schroeder	This class covers the use of Autodesk Sync from inside of Autodesk AutoCAD and Autodesk® AutoCAD LT® software. We take a close look at using a combination of Autodesk Sync for the desktop, and the Autodesk 360 web and mobile app. We also go over how to use each of these features separately as well as combined, and when you may want to use them.
20		AV3498-L	AV3498-L - Take a Walk with Me in Populate for Autodesk® 3ds Max® and Autodesk® 3ds Max® Design In this hands-on lab, you learn to use the tools and capabilities of the new Populate feature in Autodesk 3ds Max and 3ds Max Design. Together, we will put in walk flows and... View More75 Minutes Hands-on Lab Eddie Perlberg	In this hands-on lab, you learn to use the tools and capabilities of the new Populate feature in Autodesk 3ds Max and 3ds Max Design. Together, we will put in walk flows and idle areas, adjust flow points and segments, create ramps, and dial in densities, distributions, and direction.

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21		CI1889-R	CI1889-R - Implementing Autodesk® Vault in an Infrastructure Engineering Company: An Actual Experience This class shares our know-how about implementing Autodesk® Vault software in an infrastructure engineering company. We provide information on all stages of implementation:... View More60 Minutes Roundtable Darius Simkunas	This class shares our know-how about implementing Autodesk® Vault software in an infrastructure engineering company. We provide information on all stages of implementation: choosing the best document management system (DMS), as well as analysis, implementation planning and strategy, installation, system configuration, and adaptation to company needs. We discuss results of DMS system analyses and pilot projects, and we provide arguments for choosing Vault over Bentley® ProjectWise® or any other DMS system. We share Vault best practices for managing infrastructure projects and business processes. We also share experience on Vault integration into Autodesk® AutoCAD® Civil 3D®, Autodesk® AutoCAD®, Autodesk® AutoCAD® Map 3D, Autodesk® AutoCAD LT®, Microsoft® Office, and Bentley® MicroStation® software. You also learn how to configure and maximize link efficiency between Vault and an Autodesk® Buzzsaw® server.
22		AC2352	AC2352 - Autodesk and the Cloud This class gives you an introduction to Autodesk® 360 cloud-based services.60 Minutes Lecture Jim Awe	This class gives you an introduction to Autodesk® 360 cloud-based services.
23		SE2984	SE2984 - Bridging the Gap with Autodesk® Revit® Structure This class covers the use of Autodesk Revit Structure software as a bridge modeling tool and how to evolve the information with additional tools such as Autodesk® Navisworks®... View More60 Minutes Lecture Aaron Krovance	This class covers the use of Autodesk Revit Structure software as a bridge modeling tool and how to evolve the information with additional tools such as Autodesk® Navisworks® and others. We use recent examples of bridge projects as case studies to demonstrate creating bridge model elements and integrating them into a larger model. We discuss challenges encountered in creating these elements as well as lessons learned.
24		GS2838	GS2838 - Multidiscipline GIS: A Case Study of the City of Alexandria Because not all utilities manage only 1 type of distribution service, it is important for “multidiscipline” utilities to learn how to manage their GIS in a way that benefits... View More60 Minutes Lecture Stephen Brockwell	Because not all utilities manage only 1 type of distribution service, it is important for “multidiscipline” utilities to learn how to manage their GIS in a way that benefits the entire organization. In this class, we feature examples from the City of Alexandria, which is transitioning from a limited CAD-centric process to a multidiscipline GIS-centric process. Attendees learn about the process of data acquisition and how to obtain high-resolution imagery from the various disciplines within the organization. We also show you how to navigate the various stakeholders, determine possible technology issues, and migrate the data to set up the system so it is advantageous to all departments involved. Finally, we discuss some of the ways that the City of Alexandria has deployed their system and how they are planning to move forward in the future with Autodesk® AutoCAD® Utility Design software.
25		CI3206	CI3206 - Can’t We All Just Get Along? Advanced Workflows Between Autodesk® Revit® and Autodesk® AutoCAD® Civil 3D® “Now, now, children, let’s all play nice together.” Remind you of your childhood? Yeah, mine too. But what we’re talking about is architects and civil engineers playing... View More60 Minutes Lecture Brian Levendowski	“Now, now, children, let’s all play nice together.” Remind you of your childhood? Yeah, mine too. But what we’re talking about is architects and civil engineers playing together, specifically when it comes to coordinating Autodesk Revit and Autodesk AutoCAD Civil 3D data on the same project. This class is directed at both Revit and Civil 3D software users. That’s right, architects and civil engineers in the same room. We work in both Revit and Civil 3D, showing you proper importing and exporting of data, so it lands in the correct place automatically. We teach you how to ask for the correct data, as well as a good understanding of one another’s software. We cover how to create good topo in Revit, and how that compares to topos in Civil 3D. The tools for smooth collaboration exist in both Revit and Civil 3D, and there’s just a communication breakdown preventing truly streamlined BIM workflow between the 2 disciplines. So join us and take your projects to the next level.
26		AC2907	AC2907 - Autodesk® AutoCAD® 360: Design, Collaborate, and Access Your Data Anytime, Anywhere After passing the more than 11 million registered users mark, Autodesk AutoCAD 360 (formerly AutoCAD® WS) continues to revolutionize the industry. AutoCAD 360 provides... View More60 Minutes Lecture Ilai Rotbaein	After passing the more than 11 million registered users mark, Autodesk AutoCAD 360 (formerly AutoCAD® WS) continues to revolutionize the industry. AutoCAD 360 provides users with a powerful collaboration platform on both web and mobile to design, edit, and share their drawings anytime, anywhere. See how you can keep all your team in sync with the latest copy of a drawing using AutoCAD 360, and every change made by each teammate is immediately synchronized with all other team members. Take advantage of the design feed on desktop, web, and mobile to communicate and track issues between the site and the office. Capitalize on all that web and mobile has to offer including geolocation, camera, real-time collaboration, and more. Want to get more out of AutoCAD 360? Come and check out our AutoCAD 360 Pro plans. Join us and learn how AutoCAD 360 can improve your workflow and save you both time and money. The class walks you through some of the exciting new AutoCAD 360 2.0 features on the web and mobile apps.

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27		GS1508-L	GS1508-L - Web-Based Data Editing with GeoREST This hands-on lab explores the configuration of GeoREST, which is used to add, view, and edit data, including both spatial data and the attributes of most spatial data types.... View More75 Minutes Hands-on Lab Gordon Luckett	This hands-on lab explores the configuration of GeoREST, which is used to add, view, and edit data, including both spatial data and the attributes of most spatial data types. Attendees will use Autodesk® Infrastructure Map Server 2014 software to digitize data onscreen and save the spatial data directly to the original data files or database.
28		AC4127-L	AC4127-L - Autodesk®360 with AutoCAD® 360 Web/Mobile: How Powerful Are These Tools? - REPEAT Ever since Autodesk® web services and mobile applications were first introduced—Autodesk® AutoCAD® 360 (formerly AutoCAD® WS) and Autodesk® 360 cloud-based services—Andrzej... View More75 Minutes Hands-on Lab Andrzej Jaskulski	Ever since Autodesk® web services and mobile applications were first introduced—Autodesk® AutoCAD® 360 (formerly AutoCAD® WS) and Autodesk® 360 cloud-based services—Andrzej Jaskulski has run his yearly “Autodesk Authorized Author Spring Laboratory” which has explored the advantages and disadvantages of this solution. Each year, after tests were complete, he has written a new book for a well-known training series in Poland called AutoCAD–Design Course. In this hands-on-lab, he shares his knowledge and experience on the power of these tools, identifies their strong and weak points, and explains how to avoid problems in individual and concurrent design workflows. Attendees have the opportunity to practice with desktop, mobile, and cloud configurations. They should also be able to assess how effective this solution can be in their business or design office. To benefit from this class, attendees should have a basic knowledge of Autodesk® AutoCAD®.
29		GS1998	GS1998 - Autodesk® InfraWorks™: From Concept to Completion In this class, you learn how Autodesk InfraWorks software can be used for your organization’s next infrastructure project in this step-by-step guide to your first view into... View More60 Minutes Lecture Justin James	In this class, you learn how Autodesk InfraWorks software can be used for your organization’s next infrastructure project in this step-by-step guide to your first view into such a unique tool. InfraWorks gives you the ability to place your designs into the real world—think of Google Street View™ in Google Maps™ mapping service—and now place your designs around it using the best of Autodesk® Infrastructure Modeler, Autodesk® AutoCAD® Civil 3D®, and Autodesk® Navisworks® software tools combined. We show you how you can also design in this tool. This approach is a productivity-boosting solution that identifies new workflows beneficial beyond the project team. Finally, you learn how to export your design to the Apple® iPad® and the App Store℠ to provide public involvement, truly promoting your design from the PC to your client, public, and stakeholders.
30		CI1892	CI1892 - Every Point Cloud Has a Silver Lining When You Use Autodesk® InfraWorks™ Autodesk InfraWorks is one of the easiest and fastest tools to use when showing a design concept or urban planning. In this class, we go over how you can put together your... View More90 Minutes Lecture Keith Warren	Autodesk InfraWorks is one of the easiest and fastest tools to use when showing a design concept or urban planning. In this class, we go over how you can put together your site with existing data from, for example, Google Earth™ with your own data from Autodesk® AutoCAD® Civil 3D® software and using Leica HDS point cloud scans in the city model. We go over all the new user interface ribbons, show how to speed the design process, and share proposed infrastructure models to give designers a head start. Learn how to communicate visually rich infrastructure proposals to facilitate faster decision making and communicate design intent to stakeholders more effectively. Learn to create models of the existing natural and built environment quickly and easily so you can depict the local environment more realistically. Manage infrastructure proposals better by creating and managing multiple alternatives in a single model. See how to overlay GIS data by creating 3D thematic maps to help make more informed decisions, and create and import point cloud scans for stronger reality-captured models.
31		CI1934-P	CI1934-P - Civil and Building BIM Coordination for Real It almost goes without saying that the structural, architectural, and civil engineering disciplines need to coordinate closely. We need to, for example, ensure that the... View More90 Minutes Lecture Robert Clark	It almost goes without saying that the structural, architectural, and civil engineering disciplines need to coordinate closely. We need to, for example, ensure that the building foundations do not clash with the utilities. Also, it is important that all parties are on the same page in regards to site coordinates to effectively coordinate and build. In this class, we build a basic site in Autodesk® AutoCAD® Civil 3D® software, then we extract the coordinates and use Autodesk® Revit® software to develop our site coordination for multiple buildings using shared coordinates. We use Autodesk® Navisworks® software to detect clashes between the Revit structural foundations and Civil 3D utilities. We produce a clash report before switching back to Revit to resolve. Finally we update the clash report with the resolution. Time permitting, we also discuss principles of using Autodesk® 360 cloud services.
32		AC1832-L	AC1832-L - Parametric Drawing in Autodesk® AutoCAD®: It’s All About Relationships Relationships are everywhere, from traditional relationships like family and friends to wildly popular social networking sites like Facebook and Twitter. But did you ever... View More90 Minutes Hands-on Lab Rick Ellis	Relationships are everywhere, from traditional relationships like family and friends to wildly popular social networking sites like Facebook and Twitter. But did you ever think that your Autodesk AutoCAD software objects could have relationships? Well they can, and those relationships can be a powerful tool that can make you much more productive. The parametric drawing tools will revolutionize the way that you draw and edit objects in AutoCAD. This class introduces you to parametric drawing in AutoCAD by using both geometric and dimensional constraints to add intelligence to your objects. You learn how using Auto Constrain and Inferred Constraints can help you quickly add constraints and change your process from drafting to modeling. If you have ever wanted geometry in your drawing to update based on changes that you have made to other objects or if you have wanted to type a new value into a dimension and have the object update based on this new value, then this class is for you.

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33		AV3509-R	AV3509-R - Visualization Tips and Tricks: A Roundtable Discussion This roundtable session gives you access to some of the premiere specialists in visualization at Autodesk. Tap into Pierre-Felix Breton's unique insights on lighting and... View More60 Minutes Roundtable Eddie Perlberg	This roundtable session gives you access to some of the premiere specialists in visualization at Autodesk. Tap into Pierre-Felix Breton's unique insights on lighting and materials. Marion Landry and Eddie Perlberg have ideas to share about techniques and can answer general questions. So, bring your questions, comments, and ideas for sharing as we look to raise the bar for every visualization artist in attendance.
34		AC1851	AC1851 - Location, Location, Location: Live Maps in Autodesk® AutoCAD® Workflows Come and see firsthand the productivity-boosting advancements in location-based workflows for AutoCAD 2014 software, including Autodesk® AutoCAD LT® and industry-specific... View More60 Minutes Lecture Charlie Crocker	Come and see firsthand the productivity-boosting advancements in location-based workflows for AutoCAD 2014 software, including Autodesk® AutoCAD LT® and industry-specific AutoCAD products. Easily locate your design in the real world just by entering a site address and bring satellite images, maps, and field data directly into AutoCAD. This class walks you through the new location capabilities that are enabled with AutoCAD 2014. Join us to find out more about how you can collaborate and connect your office and fieldwork together with AutoCAD desktop, web, and mobile. For example, you can start your project with in-canvas live maps or use the GPS in your mobile device to accurately place yourself in your AutoCAD design where you can simply add photos, notes, and new locations as you walk through your site.
35		AV1715	AV1715 - Add Life to Your Visualization Using Traffic Simulation with Civil View Tools in Autodesk® 3ds Max® Design This class shows you how to use Civil View traffic import tools in Autodesk 3ds Max Design software to bring in traffic simulation data from PTV Vissim. We examine how to... View More60 Minutes Lecture Chip Weatherman	This class shows you how to use Civil View traffic import tools in Autodesk 3ds Max Design software to bring in traffic simulation data from PTV Vissim. We examine how to prepare your data in VISSIM, how to bring that data into 3ds Max Design using Civil View, and how to handle conflicts such as overpasses. We then talk about various ways to use this data once it is set up, including how to export from 3ds Max Design to another 3D package such as Autodesk® Maya® software. You also learn how to replace the imported data with actual vehicles from the Civil View Vehicle library and how to use your own car library.
36		CI1527	CI1527 - Stack Your Sections: Tips for Building Section Sheet Efficiently Autodesk® AutoCAD® Civil 3D® software provides tools for creating section views and laying them out in preparation for printing. These tools and options work fairly well for... View More60 Minutes Lecture Steve Boor	Autodesk® AutoCAD® Civil 3D® software provides tools for creating section views and laying them out in preparation for printing. These tools and options work fairly well for people who work in the flatter parts of the world, but for those of us who design in more rugged terrain...not so much. In this class we discuss section view styles, group plot styles and how they interact. We also demonstrate a method that allows you to create stacks of variable-height section views so that the page space is used efficiently.
37		CI2424-R	CI2424-R - Autodesk® Vault in an Autodesk® AutoCAD® Civil 3D® Workflow In this roundtable session, we discuss the major components of Autodesk® Vault software including lifecycles, revisions, and categories, and how they can benefit an Autodesk... View More60 Minutes Roundtable Bryson Anderso	In this roundtable session, we discuss the major components of Autodesk® Vault software including lifecycles, revisions, and categories, and how they can benefit an Autodesk AutoCAD Civil 3D workflow. We also discuss how Vault integrates with Civil 3D software and how to navigate the Vault Explorer and Civil 3D Vault product add-on. This class helps you to understand how Vault can be implemented in a Civil 3D workflow to manage and track design and engineering data.