



***Empowering the Visual Utility***

***TechFest*2012**

***SCADA Conference***

**Corporate Information Package**

*June 11-15, 2012 | Hilton Orlando Lake Buena Vista | [www.survalent.com](http://www.survalent.com)*

# Empowering the visual utility.

## General Information

Survalent Technology brings you TechFest 2012 in Orlando, Florida on June 11-15, 2012. This week-long event is open to all utility and other SCADA professionals. Hosted by Survalent Technology and its User Group Executive committee, this will be an important forum for SCADA users to share their challenges, successes, and best practices.

## When

Monday, June 11, 2012 through Friday, June 15, 2012

## Where

Hilton Orlando Lake Buena Vista  
 1751 Hotel Plaza Boulevard  
 Lake Buena Vista, Florida, 32830  
 Phone: 407-827-4000



## Course Structure & Pricing

The 17 training courses on Monday and Tuesday are organized into 3 training “tracks,” allowing each attendee to choose topics of greatest value to them. The conference seminars Wednesday – Friday offer additional technical training, product and industry updates from various organizations, user roundtable and panel discussions and keynote speakers.

Costs for TechFest 2012 Training are held to 2010 levels and are discounted for “Early Bird” registrants. Here is an outline of the costs you should expect:

Activity	Early Bird Price*	Regular Price
1) Conference Attendance:	\$695	\$795
2) Training Seminars		
a. 2 Days of Basic Windows SCADA Training	\$795	\$895
b. 2 Days of Advanced Training Seminars	\$795	\$895
c. 2 Days of combined Basic & Advanced Training	\$795	\$895
d. Cost for individual seminars:		
i. 1-2 hour seminars, each	\$95	\$115
ii. 3-4 hour seminars, each	\$195	\$235

*\*Early Bird prices expire at midnight, March 31, 2012*

**Event prices include:** In addition to the conference and training options of your choice, event prices includes breakfast, lunch and breaks for students and conference attendees Monday through Friday; Dessert Reception Wednesday evening for attendees *and* families.

**Other costs:** Participants are responsible for they own travel, on-site lodging, optional golf, and personal & family needs and activities. Special rates have been negotiated for a block of rooms at Hilton Orlando for Friday, June 8, through Friday, June 16, 2012. (Room rates range from \$156 to \$236/night, depending upon your needs.)

## How to Register

To register, please go to [www.survalent.com](http://www.survalent.com) → Media & Events → TechFest 2012

## More Information

Visit [www.survalent.com](http://www.survalent.com) for more information on training & conference events, to register for TechFest, to receive discounted hotel rooms and get suggestions for ground transportation, area activities and local entertainment.

## Course Offerings

### Technical Training

Training courses strive to present a “how to” curriculum for students interested in learning how to implement a product or technology. Some courses offer a hands-on curriculum, and require students to bring their own laptop PCs (an external mouse is recommended). Software will be provided by the presenter. Alternatively, the student may bring his/her personal application to the course. (The personal application must be the same product/revision number as presented in the class.)

- **Advanced Alarm Functions:** A 45-minute course focusing on advanced alarm functions such as Remote Alarm Annunciation (cell phone, pager or email), “Alarm-Clear” alarm, group alarms, and expanded alarm priorities for both analog and status points.
- **Advanced SCADA Editing:** A 60-minute course demonstrating advanced SCADA editing techniques including Station-Clone, Point Modeling & Cloning, Look-up Matrixes, hardware point set-up, event-capture, and more. Bring your application challenges for Q&A session.
- **AMR/SCADA Interface:** This 45-minute course shows you how to use MultiSpeak to create an interface between SCADA and AMR and to define meter telemetry. Learn how to set up the GPS coordinate system and create Pmacros for distribution transformers and meters. Covers pinging and reading meters on-demand, and creating schedules for reading meters automatically and storing the data into analog points.
- **Calculations in SCADA (New Course):** A 45-minute course detailing the capabilities of SCADA’s built-in Calculation Editor, but focusing on the optional Command Sequencing application. Allows users to define and execute programs which use database points as variables. Command Sequence programs can be used for calculations, open-loop control or switching sequences and for closed-loop control. Course will feature examples of common solutions. Students are encouraged to bring their own applications for Q&A or “Breakfast with the Experts.”
- **IED Wizard & Control Panel:** A two-hour hands-on training course featuring two of Survalent’s most popular SCADA options. Learn how to save significant development time in both database and graphics configurations. Participation in this course may also help users choose IEDs best-suited to their specific applications. Hands-on course; each student required to bring his/her own laptop PC.



- **MultiSpeak SCADA Interface to EA/OA/LM/GIS (Revamped Course):** A 60-minute course outlining practical techniques for using MultiSpeak to exchange data between Survalent SCADA and Engineering Analysis, Outage Analysis, Load Management, and GIS systems. Students will learn the typical steps taken to install and implement the MultiSpeak interface, and how to use MultiSpeak to seamlessly share real-time operational data with target applications. Best practices will be shared for using the data to increase utility system reliability and decrease operating anomalies.
- **RTU/Data Concentrator:** 4-hour course provides instruction for configuring Survalent RTUs. Introduces students to substation automation concepts and the roles played by RTUs. Typical configurations will be presented, special functions explored, and best practices discussed. Last 3 hours will be a hands-on lab where students actually configure Scout RTUs. Hands-on course; each student required to bring his/her own laptop PC.
- **SCADA Communications Options:** Two-hour course examines communications medium and protocols associated with common SCADA implementations, including pro/con comparisons and installation tips. Master-substation mediums to be covered include IP radio, fiber-optic, cellular, frame relay, and satellite. Master-master medium will also be reviewed. Protocols covered will include DNP 3.0, Virtual RTU, IEC 60870-5, and OPC. Finally, a powerful SCADA communications diagnostic tool, SCANMON, will be demonstrated.
- **SCADA Data Reporting:** A 60-minute course that explores the many options Survalent SCADA allows for reporting operational data for utility investment and maintenance decisions. Will include SCADA's native Report Editor, Sequence of Events, historical data sets, trend graphs, push-button reports, and SCADA Add-in. (Database Replicator & WebSurv covered in a separate course.) Includes demonstration of configuration techniques and communications interfaces.
- **SCADA System Training - Windows:** This 2-day course will be a true hands-on training experience. SCADA Explorer and WorldView will be loaded onto student PCs to enable them to follow instructors in the development of SCADA database, graphics, and reports. Course is a 2-day "crash" version of the 5-day training offered at start-ups or at Survalent factory; it is an excellent refresher for old hands, or great introduction to SCADA for new personnel. Hands-on course; each student required to bring his/her own laptop PC.
- **SCADA Tips & Tricks - Windows:** A 1 ½ -hour course offering tips for making your Operating System environment more friendly to programmers and operators. Tricks for making your host or workstation machines run more efficiently, and for reducing time required to conduct tasks. Students are encouraged to bring application-specific questions for Q&A session and Breakfast with the Experts.
- **System Configuration Status (Revamped Course):** In this 90-minute course, students will learn how SCS—a foundational application for Load Flow, Fault Detection, Isolation & Restoration, GIS Batch and DMS—calculates and displays energized/de-energized status of network line sections in WorldView GUI. Includes Cuts & Jumpers. Covers how to add/modify/remove temporary devices, enable/disable them, and tag them.
- **WebSurv & Replication of SCADA Database in SQL:** This 90-minute course teaches how to serve real-time SCADA information to multiple users within and outside your company, without sacrificing SCADA's real-time operational integrity. Learn how to duplicate your SCADA database in SQL with SCADA Replicator. Set-up secure, read-only interfaces through a desktop web browser or smart phone; view SCADA data in graphical or tabular formats. Reduce software license and maintenance overhead costs even when multiple users access real-time data.



## Technical Seminars

Seminars present information on particular technologies, useful to those preparing to purchase or implement them. Also helpful for individuals who simply want to learn more about a given technological solution, perhaps to aid in prioritizing smart grid investments.

- **Conservation Voltage Regulation (New Seminar):** This 45-minute seminar builds on the foundation of SmartDMS (Distribution Management System) to present the fully-automated database and control strategies contained in the CVR application. With CVR, utilities are reducing peak demand charges, preparing for TOU & RT charges, and yet assuring consistent end-of-line customer voltages. Learn how to leverage your investments in AMI or other instrumentation to maximize CVR's effectiveness, without writing any custom code. Included is a review of the AMI interface and use of that data for CVR, without complicated programming.
- **Distribution Automation Outside of the Substation (Revamped Seminar):** A 60-minute course on automating distribution circuits to improve reliability and uptime. Utilities are finding increasing value from intelligent devices in their distribution network that can isolate faults and allow SCADA to automatically restore power. The course will compare and contrast peer-to-peer systems and central controlled systems in relation to applicability, communication, implementation, and device programming. Several specific projects will be referenced.
- **SmartOMS (New Seminar):** This 2-hour seminar on Survalent's Outage Management System is a tutorial on successful implementation of OMS with SCADA, and the benefits to be derived for your utility operations. Learn how to integrate the two applications, how to use Call Analysis, Caller ID and Call-back features. Students will also receive an overview of Outage Cases, Events & Operations, and Crew Management, plus navigation to the user's AMI system.
- **Windows Security (New Seminar):** This 60-minute course will present recommendations for "best practice" management of your SCADA system's cyber security risks. Topics covered include NERC-CIP update kits, Server 2008 and Workstation OS patch updates, and OS "Lock-down" procedures. Learn whether you can safely configure Windows Update Server via the Internet, or if you must employ physical media. When is your real-time SCADA system safe enough?



## Optional Activities

### Dessert Reception & Fireworks Show (June 13th at Epcot® Isle de France)

Imagine platters of rich, moist, delectable, and delicious desserts, a sky filled with glowing balls of fire and emblazoned with piercing streaks of light. The evening air is rich with the sounds of an orchestral score. It all takes place at your private dessert event on the promenade encircling the World Showcase Lagoon. You will enjoy a front-row presentation of the premier night-time spectacular at Epcot®, IllumiNations: Reflections of Earth as you sample platters of exquisitely prepared delectable desserts and rich coffees.



**IllumiNations: Reflections of Earth:** This is a most incredible grand finale; one that encompasses the entire World Showcase and the skies above. As the fiery glow of torches and sky-piercing lasers reflect on the lagoon, the boom of thunderous fireworks echoes atop an original music score. It is a thrilling visual and aural extravaganza as the skies above the lagoon are transformed into a kaleidoscope of color from thundering pyrotechnic bursts. On the lagoon, images displayed across the Earth Globe tell the incredible tale of our planet before the sphere opens to signal the IllumiNations: Reflections of Earth emotional finale.

## Walt Disney World



Whether it's spending a truly unforgettable moment networking with a new contact or sharing a dazzling night-time sky with an old friend, magical experiences reign supreme in the Walt Disney World® Theme Parks. And the value is unbeatable with Disney's Special Meeting & Convention Theme Park Tickets. Save money on select tickets with advance purchase – the more days you play, the less you pay per day. Make it a family vacation with special pricing good for all of your guests. Plus, customize your tickets with great add-on options! Get more fun time by avoiding ticket lines.

## Grand Cypress Golf Club



Located in the heart of Central Florida, Grand Cypress is an unparalleled retreat that offers unsurpassed relaxation and recreation for golfers and non-golfers alike. Enjoy 45 holes of award-winning Jack Nicklaus Signature-designed golf, top-notch instruction at Grand Cypress Academy of Golf, exquisite dining and endless recreation activities. Whether you're here for business or pleasure, your stay will be relaxing, refreshing, and undoubtedly unforgettable.

## Dining, Entertainment and Shopping in Downtown Disney



What do you do when you aren't spending time in the Disney Theme Parks or it's after dark? The Downtown Disney area offers dining, shopping and entertainment with incredible live music and shows! Downtown Disney is divided into 3 sections—Downtown Disney West Side, Downtown Disney Marketplace and Pleasure Island.

TRAINING SCHEDULE						
Monday, June 11, 2012				Tuesday, June 12, 2012		
7:00 AM	Continental Breakfast & Registration			Breakfast With the Experts & Registration		
	TRAINING TRACK 1 Windows SCADA	TRAINING TRACK 2 Advanced Topics	TRAINING TRACK 3 Advanced Topics	TRAINING TRACK 1 Windows SCADA	TRAINING TRACK 2 Advanced Topics	TRAINING TRACK 3 Advanced Topics
8:00 AM	Basic Windows SCADA Training	Advanced Alarm Functions	AMR Interface	Basic Windows SCADA Training	SmartOMS	IED Wizard & Control Panel
9:00 AM		Advanced SCADA Editing	Windows Security			
10:00 AM	Break					
10:15 AM	Basic Windows SCADA Training	Calculations in SCADA	SCADA Communications Options	Basic Windows SCADA Training	Conservation Voltage Regulation	SCADA Tips & Tricks
11:15 AM		SCADA Data Reporting			Distribution Automation	
12:00 PM	Lunch					Recreational Activities Grand Cypress Golf Disney World
1:00 PM	Basic Windows SCADA Training	System Configuration Status	WebSurv & SQL Database Replication	Basic Windows SCADA Training	RTU / Data Concentrator	
3:00 PM	Break					
3:15 PM	Basic Windows SCADA Training / SCADA Training	MultiSpeak Interfaces: EA, OA, LM, GIS		Basic Windows SCADA Training	RTU / Data Concentrator	
4:15 PM		Personal Time				
5:15 PM						

All rooms will be provided on final schedule