



Survalent TechFest 2012

Training Course & Seminar Catalog

Technical Training Courses

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.)

1) **Advanced Alarm Functions**

Presented by Survalent Technology

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.

2) **Advanced SCADA Editing**

Presented by Survalent Technology

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.

3) **AMR / SCADA Interface**

Presented by Survalent Technology

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.

4) **Calculations in SCADA—New Course**

Presented by Survalent Technology

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.”

5) IED Wizard & Control Panel

Presented by Survalent Technology

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.*

6) MultiSpeak SCADA Interface to EA/OA/LM/GIS—Revamped Course

Presented by Survalent Technology

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.

7) RTU / Data Concentrator

Presented by Survalent Technology

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.*

8) SCADA Communications Options

Presented by Survalent Technology

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, ICCP, and OPC. Finally, a powerful SCADA communications diagnostic tool, SCANMON, will be demonstrated.

9) SCADA Data Reporting

Presented by Survalent Technology

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.

10) SCADA System Training—Windows

Presented by Survalent Technology

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.*

11) SCADA Tips & Tricks—Windows

Presented by Survalent Technology

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.

12) System Configuration Status—Revamped Course

Presented by Survalent Technology

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.

13) WebSurv & Replication of SCADA Database in SQL

Presented by Survalent Technology

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.

1) Conservation Voltage Regulation—New Seminar

Presented by Survalent Technology

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.

2) Distribution Automation Outside of the Substation—Revamped Seminar

Presented by G&W Electric

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.

3) SmartOMS—New Seminar

Presented by Survalent Technology

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 Callback features. Students will also receive an overview of Outage Cases, Events & Operations, and Crew Management, plus navigation to the user's AMI system.

4) Windows Security—New Seminar

Presented by Survalent Technology

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?

TRAINING SCHEDULE						
Monday, June 11, 2012				Tuesday, June 12, 2012		
7:00 AM	Continental Breakfast & Registration <i>Salons 4 & 5</i>			Breakfast With the Experts & Registration <i>Salons 4 & 5</i>		
	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 <i>Salon 1</i>	Advanced Alarm Functions <i>Salon 2</i>	AMR Interface <i>Salon 3</i>	Basic Windows SCADA Training <i>Salon 1</i>	SmartOMS <i>Salon 2</i>	IED Wizard & Control Panel <i>Salon 3</i>
9:00 AM		Advanced SCADA Editing <i>Salon 2</i>	Windows Security <i>Salon 3</i>			
10:00 AM	BREAK					
10:15 AM	Basic Windows SCADA Training <i>Salon 1</i>	Calculations in SCADA <i>Salon 2</i>	SCADA Communications Options <i>Salon 3</i>	Basic Windows SCADA Training <i>Salon 1</i>	Conservation Voltage Regulation <i>Salon 2</i>	SCADA Tips & Tricks <i>Salon 3</i>
11:15 AM		SCADA Data Reporting <i>Salon 2</i>			Distribution Automation <i>Salon 2</i>	
12:00 PM	LUNCH <i>Salons 4 & 5</i>					Recreational Activities Grand Cypress Golf Disney World
1:00 PM	Basic Windows SCADA Training <i>Salon 1</i>	System Configuration Status <i>Salon 2</i>	WebSurv & SQL Database Replication <i>Salon 3</i>	Basic Windows SCADA Training <i>Salon 1</i>	RTU / Data Concentrator <i>Salon 2</i>	
3:00 PM	Break					
3:15 PM	Basic Windows SCADA Training / SCADA Training <i>Salon 1</i>	Personal Time		MultiSpeak Interfaces: EA, OA, LM, GIS <i>Salon 3</i>	Basic Windows SCADA Training <i>Salon 1</i>	RTU / Data Concentrator <i>Salon 2</i>
4:15 PM						
5:15 PM						
				6:30 PM	UGE Dinner	



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Survalent Technology Corporation
TechFest 2012 SCADA Conference
Orlando, FL, June 11-15, 2012

Survalent Technology will host the TechFest 2012 SCADA Conference at the Hilton Orlando in Lake Buena Vista, FL, June 11-15, 2012. The week-long event will be structured into 2 days of technical training courses and 2.5 days of conference seminars.

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. Go to www.survalent.com → Events → TechFest 2012 for more information on training & conference events, to register for TechFest and discounted hotel rooms and get suggestions for ground transportation.

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, May 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. (Hilton Orlando is located in Disney World.) 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.)