ABSTRACT

Live online collaboration and training sessions have become a standard part of business. More people are turning to live online collaboration in order to reach out to more people, more frequently and to rapidly scale training programs.

Join us for an informative session about the Top Ten tips for creating and delivering online collaboration and training events.

You’ll learn from online collaboration experts how to:

- Plan and prepare for success;
- Deliver your sessions in a concise and interesting manner that will keep your participants engaged;
- Reuse content for anytime access;
- Document your process and incorporate your own ongoing methodology;
- How to embed online collaboration into business processes to accelerate business
- Examples of how successful organizations are accelerating business processes with online collaboration.

PRESENTER

Eric Vidal, Sr. Manager, Enterprise Business Unit, WebEx Communications, Inc.

BIOGRAPHY

An e-learning expert, Eric Vidal has spent the last 6 years developing and marketing e-learning solutions for corporate training departments. At WebEx Communications, Eric is responsible for developing key strategies, including synchronous and a-synchronous training initiatives for major WebEx customers. Prior to WebEx, Eric founded and directed the marketing and strategic alliance team at Presedia (acquired by Macromedia in 2003).
ABSTRACT
VCollab offers innovative ways to capture, view, share, present, document and collaborate with CAD/CAM/CAE digital data with global teams as well as supply chain in use. This solution revolutionizes the way the current CAx data is being utilized for visual collaboration.

In this demonstration, VCollab’s solutions and applications will be shown in the areas of Visualization, Presentation, Documentation and Collaboration. A number of live examples of CAD, CAM and CAE data sets will be used to illustrate the power of VCollab’s solution. It will also show how it can improve the efficiency of communication between teams as well as improve the understanding of design intent; thereby improving the decision making process.

Product Development companies and globally dispersed teams will gain greater insight into this emerging technology and how it can positively impact their communication, evaluation and decision making processes.

PRESENER
Prasad Mandava, CEO and co-founder of Visual Collaboration Technologies Inc.

BIOGRAPHY
Prasad Mandava is the CEO and co-founder of Visual Collaboration Technologies Inc, a company specializing in visual collaboration solutions. The overall goal of the company is to develop tools “to maximize the utilization of 3D Simulation Data.” MR. Mandava holds a MS degree in structural engineering and has had extensive experience in the aerospace industry since 1985. During his time in aerospace, he overcame many technological challenges regarding Virtual Prototyping and Collaboration
with product life-cycle data. In 1998 he received the prestigious Sir CV Raman Award from the Government of Karnataka Council of Science and Technology, India. In 2000, Mr. Mandava commercialized his technological developments and co-founded Visual Collaboration Technologies Inc.

Mr. Mandava and his colleagues realize that only a portion of product developers are designers and analysts with the expertise to effectively use complex 3D engineering tools. By using the power of 3D graphics and large data visualization and collaboration techniques, they have developed an easy to use visual collaboration suite of tools called VCollab. VCollab was developed for viewing CAD, CAE, CAM and VR simulation data sets that can be used by all members of the product lifecycle development team, from decision-makers, engineers and scientists, to marketers, financial analysts and suppliers. VCollab offers many innovative ways of maximizing the utilization of the digital data within and across an engineering enterprise.

Currently, VCollab is being used by 3 of the top 5 automotive OEM’s as well as GE, CAMI Automotive, Hamilton Sundstrand and many others. Leading Universities such as the University of Pittsburg, BYU, WSU Bio-Engineering, UTA, and UCF also have VCollab in the engineering departments.
DEMO III

Network-Centric Operations and Situational Awareness with MATRIX

Gary Whitted and Chris Ward
Ball Aerospace & Technologies Corp.
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USA

ABSTRACT
Ball Aerospace & Technologies Corp. is working with the Air Force Research Laboratory (AFRL/IFSD) in developing a new cross-platform next generation network-centric collaboration and situational awareness tool called MATRIX. Filling a void found in current COTS collaboration tools, MATRIX is a desktop-based (thick client) presence and instant messenger application that includes an extendable set of tools and capabilities, which promote large-scale team collaboration and coordination. MATRIX supports the Jabber XML-based XMPP standard, while Web-Services handle tool or organizational information to eliminate firewall issues. In addition, MATRIX provides the capability of external resource monitoring, domain specific inter/intra crew tasking, communications, alerting, and presence management in a 24/7 operating environment. Also integrated into MATRIX is Ball’s integrated Virtual Meeting Application (VMA) tool that allows users to schedule virtual meetings, conduct video teleconferences, and instant meetings. Both MATRIX and VMA provide open Plug-in architectures and programming interfaces that other developers can use to extend the core services or add domain specific tools.

In this demo, the MATRIX team will provide an interactive demonstration of the current state of MATRIX’s tools. Demonstration attendees, with Java 5.0 (JRE 1.5) installed can connect to a MATRIX server wirelessly, download the MATRIX client, and participate in the demonstration. An interactive demonstration of VMA, including video teleconferencing using wavelet compression over HTTP/S, will be shown.

PRESENTERS
Mr. Gary Whitted, R&D Program Manager, Ball Aerospace & Technologies Corp. Ohio, USA.
Mr. Chris Ward, R&D Software Developer, Ball Aerospace & Technologies Corp. Ohio, USA.

RELEVANT TECHNOLOGIES
BIOGRAPHIES

GARY WHITTED has over 21 years of engineering management experience. He is experienced in research, development, test and evaluation of large-scale software systems (decision support systems, domain specific applications in embedded weapon systems, modeling and simulation and management information), software architecture, technical design supervision, requirements analysis and project management. Currently, Mr. Whitted is the R&D Program Manager directing and guiding research for Ball’s Advanced Decision Environment Technology (ADET) research, Distributed Collaborative Decision Support Technology (DCDST) research, SBIR Partner and IRAD programs. Mr. Whitted earned a Master of Software Engineering from the Air Force Institute of Technology and an MBA from Wright State University in 1989. He also earned a BS in Engineering (Computer and Information Science) from the University of Florida in 1982. Email: gwhitted@ball.com.

CHRISS WARD is a Software Engineer in the Collaborative Technologies Research and Development Group at Ball Aerospace and Technologies Corp. in Dayton, Ohio. He has worked on several R&D programs with the Air Force that deal with the application of Ball’s K^2 product. Mr. Ward received his B.S. in Computer Science from Wright State University. Email: cward@ball.com.
DEMIV

Interactive Touch Systems for Remote and Mobile Collaboration

Dr. Gerald Morrison
SMART Technologies Inc.
Calgary, Alberta, Canada
http://www.smarttech.com/

ABSTRACT
SMART Technologies Inc. specializes in providing interactive touch systems and productivity software to the business, military, and education markets. Our products assist in facilitating effective training and collaboration between on-site, remote and mobile participants. SMART actively participates in research activities with several organizations which are interested in developing new collaborative technologies. Interactive whiteboards are an ideal platform for sharing, manipulating and presenting information to small groups or large audiences. As a result, their popularity is growing rapidly as more people come to understand the unique capabilities they offer. SMART is the world leader in interactive whiteboards, selling more products in North America and around the world than all other competitors. Through constant research and development, SMART introduced a new exclusive digital touch technology, DViT™, which provides greater functionality in touch-capable collaborative systems.

In this demonstration, SMART’s DViT™ technology is presented as well as Bridgit™ conferencing software. A live remote conference will demonstrate Bridgit’s ease of use and allow for audience participation. A research product under development at SMART to improve mobile collaboration will also be shown. Finally, some of SMART’s ongoing research projects with external organizations will be highlighted, showing advances being made towards future collaborative systems and technologies.

PRESENTER
Dr. Gerald Morrison, External Research Manager, SMART Technologies Inc.

BIOGRAPHY
Dr. Gerald Morrison is an Electrical Engineer who has worked for SMART Technologies Inc. for more than 10 years. During that time he has held many roles in development, research and management. All of his roles have related to the development of new interactive touch technologies and products. He is currently the External Research Manager and is actively working with individuals and organizations developing interactive and collaborative technologies. Dr. Morrison has published several papers in conferences and journal publications and is listed as inventor or co-inventor on several patents and patent applications.