

AUGMENTED AND VIRTUAL REALITY SYMPOSIUM

FINAL AGENDA

The Doubletree Hotel – A Hilton Property
Dearborn (Detroit), Michigan, USA

November 12, 2012		Day 1		Day 2	
		8:30 -9:00	Plenary Keynote - Justify, Track and Measure the Impact of VR/AR Systems Don Mottaz, Director, Boeing	8:30 -9:00	The Coming of Age for VR: The Pains of Growing Up Towards an Exciting Future Carolina Cruz-Neira, Univ of Louisiana at Lafayette
		9:00-9:30	Camera and Head Tracking for Augmented and Virtual Reality in Production Environments - Paul Davies, Boeing	9:00-9:30	Utilization of Vicon Motion Capture for Human Factors Analysis of V-22 Maintenance Tasks Rebecca Lamont, Boeing
		9:30-10:00	Break	9:30-10:00	Break
		10:00-10:30	Mobile Devices – Bruno Uzzan, Total Immersion	10:00-10:30	Implementing Virtual Reality and Lessons Learned- Sikorsky Aircraft Heavy Lift Program – Larry Manende/Robert Jackson, Sikorsky
		10:30 – 11:00	The UI is the OS Tom Armbruster, Oblong Industries Inc	10:30- 11:00	Computer Aided Design Primitives Database Development David Reynolds, NASA
		11:00-11:30	Current and Future State of Software for Advancing AR/VR from Lab to Manufacturing Floor Ulrich Raschke, Siemens PLM	11:00-11:30	Augmented Reality for F-35 Production Meredith Hopps, LMCO
		11:30am -12:00pm	Implementing Virtual Reality and Lessons Learned at Chrysler JP McBride, Chrysler Group LLC	11:30am -12:00pm	Implementing Augmented/Virtual Reality, Lessons Learned and Obstacles to Future Vision at Deere Kurt Chipperfield, John Deere
1:00-1:30	Tour Registration	12-1:30	Lunch –Sponsored by 	12-1:30	Lunch
		1:30-2:00	Prospering in a Virtual World: Benefits of Immersive Stereoscopic Reviews for Industrial Design, Ergonomics and Quality Elizabeth Baron, Ford	1:30-2:00	Augmented Reality for Military Scenarios Mark Livingston-Naval Research Lab
1:30 -3:00	Tour of Ford immersive Vehicle Evaluation (iVE) Lab in Product Development tour	2:00-2:30	Implementing Virtual Reality and Lessons Learned at USA Brad Lawrence, United Space Alliance	2:00 -3:30	Workshops- How do you transition from a lab environment to a manufacturing footprint in production (AR/VR)?
		2:30 -3:00	Visualization Technology Joe Barkai, IDC Manufacturing Insights		Head Tracking, Full Body, and Motion Capture Kurt Chipperfield, John Deere Marty Smets, Ford Motor Co.
					Production Environment Paul Davies, Boeing
					Prepping the Data/ CAD Model Geometry Dumbing Down the Data Handling the Digital Models - Robert Jackson, Sikorsky
		3:00-3:30	Break	3:30 -3:45	Break
5:00 - 6:30	Early Bird Registration	3:30-4:15	Panel Discussion: AR/VR Product Flow (Following the Digital Thread from Concept to End of Life) Moderator; Joe Barkai, IDC Manufacturing Insights Participants: <ul style="list-style-type: none"> • Lorrie Sivich, Boeing • Daniel Bradley Keleher, John Deere • Brad Lawrence, United Space Alliance • Elizabeth Baron, Ford 	3:45-4:30	Wrap-up Discussions from Workshops
		4:14 – 5:00	Panel Discussion: Economics of Visualization – How to Establish Sustained Business Value of Advanced Visualization Technologies in Manufacturing Moderator: Lorrie Sivich, Boeing; Joe Barkai, IDC Manufacturing Insights Participants: <ul style="list-style-type: none"> - Mark Livingston, Naval Research Lab - Don Mottaz, Boeing - Rick Boggs, LMCO - Brad Lawrence, United Space Alliance 		
		5-6:00	Welcome/Networking Reception/ Exhibit	Conclusion	