IMS Technologies Summit

Chandler, Arizona
March 21 – March 24, 2004

A mix of take-home applications and innovative research makes this summit unique and one not to miss.

This Intelligent Manufacturing Systems (IMS) Technologies Summit will bring together researchers from the USA to present recent work within the international IMS program. It will provide the summit attendees with an insight into ways USA industry can leverage their research and development investment and enter into collaborative activities either within existing IMS program projects or create new projects.

WHO SHOULD ATTEND?

Directors, managers and practicing engineers of product and process design engineering, industrial engineering, manufacturing, quality, lean initiatives, and operations.

RESEARCH SESSIONS:

This summit will focus on the current opportunities and problems in these new and evolving areas of manufacturing.

SOLUTIONS SESSION:

IMS Project teams and Communities of Common Interest will present their team work. Topics will include, but are not limited to:

- NGMS project
- ROBUST project
- MISSION project
- OOONEIDA CCI
- Safety CCI
- n-ABLE CCI
- DMDM CCI

- Computer, Electronics and Semiconductor Manufacturing
- Nano Manufacturing
- Software Engineering applications in manufacturing
- Total Process Improvement/lean processes
- Integrated Strategy and planning
- Total Life Cycle Management and Manufacturing
- Knowledge discovery and management
- Scalable Flexible Manufacturing
- Control Executives for Intelligent equipment
- Systematization of Quality Engineering
- Modeling and simulation of future manufacturing operation

For detailed schedule/registration of this summit please visit:
http://www.camri.org/ims

KEYNOTE SPEAKERS

Eric Grossbeck, The Boeing Company -- As Director of Enterprise Integration for the Integrated Defense Systems (IDS) of The Boeing Company, Eric Grossbeck is accountable for leading and managing the activities of the IDS Enterprise Integration Board (EIB). The leaders of all IDS Business Units and all IDS Functions (Sr VPs, VP/GMs, and VPs) are members of the EIB; their collective charter is to create and implement an integrated, prioritized strategy for how IDS runs the enterprise. This includes both near term and long term activities that (a) execute on the current business in the most cost effective way and (b) enable achievement of the market strategies defined by the IDS Strategic Business Council (SBC) that provide future growth. In addition, Grossbeck is accountable for the IDS Process Structure and IDS Command Media in order to institutionalize the required best practices (standards, processes, systems, tools) across the enterprise.

Grossbeck had preparation for this role as a key member of the IDS Transition Team that led the merger of the former Aircraft & Missiles (A&M) and Space & Communications (S&C) organizations into what is now IDS. Grossbeck was also accountable for Inventory Management as well as the activities supporting the Program Management Board (PMB) at S&C prior to the IDS announcement.

Sujeet Chand, Rockwell Automation -- Sujeet Chand is Vice President for Advanced Technology and Chief Technical Officer for Rockwell Automation. His responsibilities at Rockwell Automation include the development of technology strategy for business growth, R&D portfolio management, technical innovation, and global standards and trade. He runs a distributed, global R&D organization with operations in Prague, Shanghai, Milwaukee and Cleveland.

Prior to assuming his current role, Chand held the positions of Director for Information Sciences, and Manager and Principal Scientist for Control and Signal Processing at Rockwell Scientific Company. During the period 1998-2001, he also served as the Chief Operating Officer for a successful software start-up company, where he led the engineering and development of a suite of software products.

Sujeet Chand represents the U.S. as the head of the delegation to the International Manufacturing Systems (IMS) consortium.

Richard Neal, IMTI -- Richard Neal is the Executive Director of Integrated Manufacturing Technologies Initiatives (IMTI). He has more than 30 years management experience in manufacturing technologies. Prior to founding IMTI, Mr. Neal worked for Lockheed Martin where he served as Project Manager for the Integrated Manufacturing Technology Roadmapping Project, as Principal Investigator for the Next Generation Manufacturing (NGM) Project, as Program Manager for the Technologies Enabling Agile Manufacturing (TEAM) Program, and as Manager of Information Systems Development for the Oak Ridge Y-12 Plant. Mr. Neal has a BS and MS in Electrical Engineering from the University of Tennessee.

Martin Hardwick, STEP Tools-- Co-Founder and President of STEP Tools, Inc., Dr. Hardwick led the company from being a small start-up to being the most significant supplier of tools and infrastructure for the ISO 10303 STEP standard for product model exchange. Dr. Hardwick is the leader of the STEP-Manufacturing team in the ISO STEP organization that is developing standards for manufacturing features, manufacturing planning, manufacturing castings, CNC control (STEP-NC), and inspection data. Dr. Hardwick has worked on numerous high profile data integration programs that include the NIST ATP sponsored Model Driven Intelligent Control of Manufacturing program, the National Industrial Information Infrastructure Protocols (NIIIP), the DARPA Initiative in Concurrent Engineering, the ARPA Simulation Based Design Program, the NIST ATP PreAmp program, three NSF programs, and two Air Force programs. He is currently working on two government projects: 1) the ISE (Integrated Shipbuilding Environment) program from the National Shipbuilding Research Program, and the 2) WSME (Web-based Smart Modeling Environment) project for the U.S. Naval Sea Systems Command. Software written by Dr. Hardwick is being used for STEP data exchange at several fortune 500 companies including in the automotive and aerospace sectors including Raytheon, Boeing, Lockheed, General Dynamics, Northrop Grumman, GE, Pratt & Whitney, GM and Ford. Dr. Hardwick is one of the principle architects of a new initiative to use STEP to define XML modules for manufacturing planning and production data. Dr. Hardwick is a Professor of Computer Science at Rensselaer Polytechnic Institute in Troy, New York.

Dan Shunk, Arizona State University -- Professor of Industrial Engineering, Director of the High Tech MBA, and former Director of the CIM Systems Research Center, Dr. Shunk just returned from a one year sabbatical as a Fulbright Scholar in Ireland. He is currently pursuing research into global new product development, model-based enterprises and global supply network collaboration. Dr. Shunk studied at Purdue where he received his Ph.D. in Industrial Engineering in 1976. He is co-founder of the USAF Integrated Computer Aided Manufacturing (ICAM) Program where he launched such industry standards as IDEF and IGES, former manager of Industrial Engineering at Rockwell, former manager of manufacturing systems at International Harvester, and former VP-GM of the multi-million dollar Integrated Systems Division of GCA Corporation.

Gerry Graves, ATI -- Gerry is Senior Vice-President and Director of Product Development Technology at ATI. He has more than 25 years experience in engineering, research, and technical program management. His technical expertise includes computer integrated manufacturing technologies, systems engineering, and computer system architectures and software. As the Director of ATI's Product Development Technology (PDT) Business Unit, Dr. Graves has overall responsibility for the successful execution of over $7M annually in collaborative R&D projects. In addition to commercial consortia, PDT has led initiatives for DARPA, the Navy, Air Force, and Army, and other government agencies targeting the development and deployment of manufacturing technologies in the defense industries. Dr. Graves is also the Pilot Projects Team Leader for the PDES, Inc. consortium of international industry and government agencies is accelerating the development and implementation of the Product Data Exchange using STEP, the international standard for the exchange of product model data.

CONFERENCE HOTEL

San Marcos Golf Resort
One San Marcos Place, Chandler, AZ   85225
1-480-812-0900, Fax: 480-899-5441

In order to receive the IMS Summit guest rate of $139 per night and a limited number of government rooms at $107 per night, please book your reservation with the hotel by February 20, 2004. After this date, rooms are available on a rate and space available basis. Please reference the IMS Summit when making your reservations to ensure you receive the reduced rate.

REGISTRATION FEES: $200

The summit registration includes admission to all sessions, a welcome reception on Sunday evening, dinner on Monday evening, lunch on Monday and Tuesday, a cash bar networking reception on Tuesday evening and a CD-ROM of the summit proceeding.

SPECIAL EVENT: Golf in Arizona

San Marcos Golf Resort in Chandler Arizona scramble golf event on Sunday March 21st (around noon tee times) – Includes: Green Fees, Cart Rental, tourney setup and prizes (closet to the pin, long drive etc.). For further information, please contact: Keith Hallin at keith.g.hallin@boeing.com

ORGANIZERS:

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