

Center for Intelligent Supply Networks (C4iSN)

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Agenda

- C4ISN
 - Motivation for C4ISN
 - Industry Research Trends
 - Regional Credentials
 - UTD Credentials
 - Intelligent Supply Networks - Drivers
 - C4ISN - Drivers
- Vision and Mission
- Services Portfolio
- Advisory Board, Partners & Faculty Resources
- Summary : Why Partner with C4ISN?
- Contacts

Industry Research Trends

↓ Federal R&D Funding

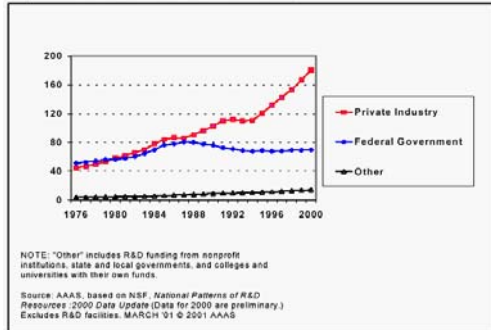
↑ Industry R&D Funding

↑ University Research Funding

↑ Local University Research Funding

Industries
“Partnering” with universities and promoting
“localization”

Figure 2-1. U.S. R&D Funding by Source: 1976-2000 (expenditures in billions of constant FY 2000 dollars)



- “In the past three decades, industry’s funding for academic research has more than doubled”
- “69% of Industry support to research has been through Industry/University centers....” (Gray and Walters, 1998)
- In 23 out of the 25 R& D funding states in US there is growing trend for localization (RAND)

↓ Product Lifecycle

↓ Time from Basic Research to Product Introduction

↑ Localization to improve Competitiveness

↑ Innovation and Technology as Competitive Advantage

↑ Global Competition

↑ Outsourcing

↑ Partnering with Universities

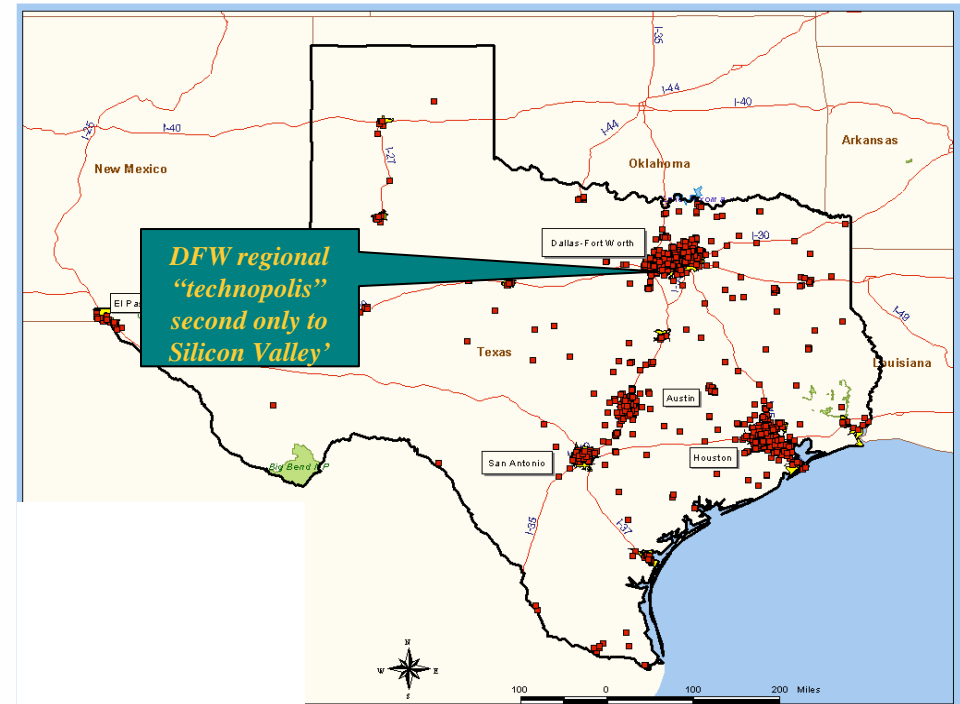
Regional Credentials

Regional Credentials

- 1st in new business formation
- 1st in wireless telecom
- 2nd U.S. high-tech regions (Milken Institute)
- 3rd Fortune 500 headquarters
- 5th U.S. high-tech labor pool (AeA)

Diverse Business Base

- Telecommunications
- High-tech Manufacturing
- System Integration
- Software / Services
- Transportation
- Energy
- Defense



Regional diversity can “leverage” any investment dramatically

UTD School of Management

- 2000+ Undergraduates
- 2000+ Masters
- 100+ PHDs
- 100+ Faculty
- 30 + OM/IS faculty



UTD SOM Rankings and Credentials

- Cohort MBA ranked 78 last year and 62 this year (US News & World Report)
- EMBA - 35th in US and 61st worldwide (*Financial Times*)
- GLEMBA - “Best of Web” (*Forbes Magazine*)
- Project Management - “Best Bet” program (*PM Network Magazine*)

ISOM department ranked 6th in a productivity study listing the top 50 most productive business schools based on publications in the 4 IS/IT/OR related flagship INFORMS journals during 1997-2002

Rank	Weighted Score	Department Name	School	University
1	27.00	Operations and Information Management	The Wharton School	University of Pennsylvania
2	15.17	Operations Information and Technology	Graduate School of Business	Stanford University
3	13.75	Decision and Information Technologies	Robert H. Smith School of Business	University of Maryland
4	12.53	Management Sciences	Graduate School of Business Administration	University of Washington
5	11.53	Management Science and Information Systems	Graduate School of Business	University of Texas at Austin
6	9.75	Management Science and Information Systems	School of Management	University of Texas at Dallas
7	8.17	Information and Operations Management	Marshall School of Business	University of Southern California
8	7.25	Operations and Informations Management	School of Business	University of Connecticut
9	5.00	Decision Sciences Dept	School of Business Administration	National University of Singapore
	5.00	Management Information Systems	Commerce and Business Administration	University of British Columbia

Intelligent Supply Networks - Drivers

↑
Global Competition

"The biggest issue enterprises face today is intelligent visibility of their supply chains-both upstream and down"

AMR Research

↑
Outsourcing

"By 2004 90% of enterprises that fail to apply supply-chain management technology and processes to increase their agility will lose their status as preferred suppliers"

Gartner Group

↑
Focus on Intelligent Supply Networks

"To boost their operational agility, firms need to transform their static supply chains into adaptive supply networks"

Forrester Research

C4ISN - Drivers

What?

Partnering

Localization

Outsourcing

Leverage Potential

UTD Credentials

Center for Intelligent
Supply Networks (C4ISN)

Who?

End Customers

Software & Hardware
Vendors

System Integrators

Researchers

Students

Vision and Mission

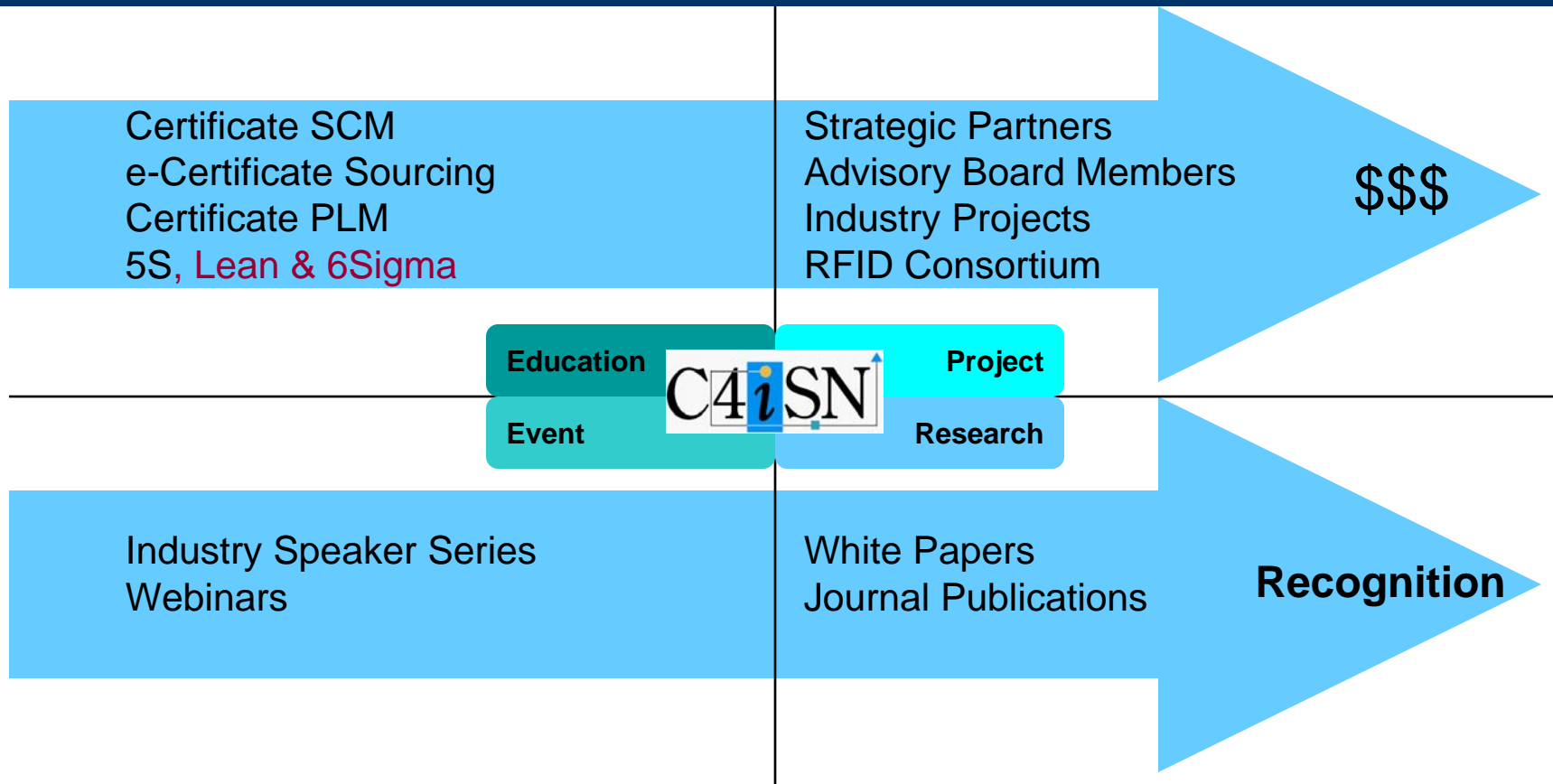
■ Vision

- To be a recognized leader and premier provider of supply chain management education, research, consultation and information for individuals and organizations

■ Mission

- **Promote industry and university alliances** through education, research, and consultation
- **Advance scientific & operational knowledge** in intelligent supply networks for manufacturing & services management
- **Be the knowledge portal** for the supply chain community

Services Portfolio



The center is supported by industry leaders, distinguished faculty, students, and executives-in-residence
The center accepts grants and donations to fund its mission

Advisory Board

The advisory board consists of members from various organizations, categorized into two main groups:

- Product & Service Software & Hardware:** ERICSSON, BLOCKBUSTER, JCPenney, COVARO NETWORKS, Mitsui Logistics Inc. Bussan, esi, BRINKS, hp, GlobeRanger, agile, MINDFLOW TECHNOLOGIES, SAP, Corvero Networks, Gillani (Tomorrow's Technology Today), and VIEWLOCITY.
- System Integrator & Analyst:** Hitachi Consulting, PRT GLOBAL, and UTD Faculty.

The center logo, C4iSN, is prominently displayed in the middle of the board.

- Donald Hicks, Ph.D.
- Hasan Pirkul, Ph.D., Dean
- Divakar Rajamani, Ph.D.
- Michael Savoie, Ph.D.
- Suresh Sethi, Ph.D.

The advisory board provides strategic direction, promotes and influences the research initiatives and academic programs offered by the center

Partners



Education

Projects

Strategic Partners

Software



C4iSN Faculty Resources

Supply Chain Management/ Operations Management

Metin Cakanyildirim, Ph.D.

- Assistant Professor

Milind Dawande, Ph.D.

- Assistant Professor

Ertunga Ozelkan, Ph.D.

- Visiting Assistant Professor

Divakar Rajamani, Ph.D.

- Professor & Managing Director of C4iSN

Suresh Sethi, Ph.D.

- Ashbel Smith Professor & Director of C4iSN

Chelliah Sriskandarajah, Ph.D.

- Professor

Kathryn Stecke, Ph.D.

- Professor

Houmin Yan, Ph.D.

- Associate Professor

Technology – Intensive Industry Development

Donald Hicks, Ph.D.

- Professor

Sumit Majumdar, Ph.D.

- Professor

Marketing

Ernan Haruvy, Ph.D.

- Assistant Professor

Ashutosh Prasad, Ph.D.

- Assistant Professor

Information Systems/ Software

Vijay Mookerjee, Ph.D.

- Professor

Srinivasan Raghunathan, Ph.D.

- Associate Professor

Edwin Sha, Ph.D.

- Professor

Strategic Assessments

Barry Mishra, Ph.D.

- Assistant Professor

Suresh Radhakrishnan, Ph.D.

- Associate Professor

Statistics / Stochastic Processes

Shun-Chen Niu, Ph.D.

- Professor

Robert J Serfling, Ph.D.

- Professor

Managerial Economics/Internet Economy

Stan Liebowitz, Ph.D.

- Professor

Summary: Why Partner with C4iSN?

- The Center for Intelligent Supply Networks at the UTD School of Management helps companies improve their supply chain performance through education, research, consultation and information sharing

C4iSN Offers

- A community in which to exchange ideas on supply chain best practices and technologies
- An extended network of experts from academia and industry with whom to collaborate
- An information portal for marketing client services and success stories
- An environment for recruiting experienced supply chain professionals
- A comprehensive education program and continuing education workshops
- A forum to define joint development projects
- Access to supply chain research and consultation services

Contact Us

<http://www.som.utdallas.edu/c4isn>

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