

CURRICULUM VITAE

DR. DALE S. DEARDORFF

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DIRECTOR OF INNOVATION & STRATEGIC THINKING

Leadership – Systems Thinking • Innovation – Sustainability

PROFESSIONAL PROFILE

- Accomplished leadership career with over 30 years experience in commercial, aerospace, military, and government organizations and cultures.
- Outstanding track record of Project & Program Management delivering customer hardware, software, and systems on schedule and in cost projections.
- Effective communicator with excellent planning, organizational, and negotiation strengths as well as the ability to lead teams in global opportunity and risk analysis.
- Seasoned in team building and team communications empowering staff to reach consensus, establish goals, and attain positive results.
- Extensive background experience in leadership and innovation course development, instruction, facilitation, and implementation.

EDUCATION

Executive Jurist Doctorate - Intellectual Property, CONCORD LAW SCHOOL, LA, CA. (2 yrs completed 2009)

Doctorate of Management - Organizational Leadership, UNIVERSITY OF PHOENIX, Tempe, AZ. (2005)
Dissertation: *An Exploratory Case Study of Leadership Influences on Innovative Culture: A Descriptive Study*

Master of Science -Automation Engineering CIAM, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (1993)

Master of Arts -2-Dimensional Design, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (1987)

Bachelor of Arts -2-Dimensional Design, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (1985)

TEACHING CERTIFICATIONS

Instructor, Guiding Organizational Change—Milestone Management Consultants (2011)

Instructor, Managing by Project—Milestone Management Consultants (2010)

Instructor, Leading High Performing Project Teams—Milestone Management Consultants (2010)

PRIZM Innovation, GameStroming Certification—The PRIZM Game Company (2009)

Instructor, PMI Project Management/Project Management Communications—DeVry UNIVERSITY (2005)

TRIZ Master Certification—Invention Machine, TechOptimizer and Innovation/TRIZ Centric Software (2002)

Direct Attention Thinking Tools, Six Thinking Hats & Lateral Thinking (de Bono)—MICA Management Resources, Canada (1999, 2001) De Bono Group, United States (2013-2015)

HBDI Hermann Brain Dominance Instrument—Hermann International (2000)

CURRICULUM VITAE (continued)

HONORS & AWARDS

HOBY Hugh O'brian Youth Foundation California Central “*Brad Kieffer Volunteer of the Year Award*” (2011) for years of tireless dedication and hard work in helping to change the lives of countless youths.

INVITED GUEST LECTURER

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Spring 2017)

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Fall 2016)

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Spring 2016)

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Fall 2015)

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Spring 2015)

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Fall 2014)

MSE 507—LEAN Manufacturing, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Spring 2014)

MSE 602—Engineering Innovation Management, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Fall 2013)

PROFESSIONAL WORKSHOPS

The Mystery of the Soggy Pizza Box, In2In Thinking Network Conference, PRIMERICA, Santa Clarita, CA. (May 2017)

The Mystery of the Soggy Pizza Box, CSUN/University of Ingolstadt, Northridge, CA. (April 2017)

The Mystery of the Soggy Pizza Box, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Spring 2017)

4 Simple Steps for Inspirational Innovation, In2In Thinking Network Conference, WOODBURY UNIVERSITY, CA. (2016)

4 Simple Steps for Inspirational Innovation, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (2016)

The Mystery of the Soggy Pizza Box, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (Fall 2015)

The Mystery of the Soggy Pizza Box, In2In Thinking Network Conference, WOODBURY UNIVERSITY, CA. (2015)

EMSA Lateral Thinking Seminar, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (2013)

Exploring Opportunities with Parallel and Lateral Thinking Methods, In2In Thinking Network, Canoga Park, CA. (2011)

Incubation and Inspiration for Sustainability, In2In Thinking Network, Northridge, CA. (2010)

PRIZM Gamestorming, The Global Summit, San Francisco, CA. (2010)

Perception Based Reality—Thinking with CoRT Tools, In2In Thinking Network Conference, Canoga Park, CA. (2009)

CURRICULUM VITAE (continued)

Think-tion: Integrating Thinking to Actions, In2In Thinking Network Conference, Canoga Park, CA. (2008)

Interconnecting Thinking to Action: de Bono's Six Action Shoes, In2In Thinking Network Conference, Canoga Park, CA. (2007)

Daring to Lead—Influencing Better Thinking for a Better Future—Thinking Tools for a Changing World, In2In Thinking Network, Los Angeles, CA. (2005)

PROFESSIONAL PRESENTATIONS

The Art of Innovation Conference, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (2014)

An Introduction to Creative Manufacturing Thinking Processes and Methods, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (April 2014)

Seizing Epiphanies—Unleashing the Tactics of Innovation, AME Innovation Summit, Irvine, CA. (March 2014)

Leading Others to Discover "How to Think, not What to Think", AME Innovation Summit, Irvine, CA. (March 2014)

The Art of Innovation Conference, CALIFORNIA STATE UNIVERSITY, Northridge, CA. (2013)

Working Together by Thinking Together, SETA, Irvine, CA. (2011)

Mastering the Process of Innovation, AME Innovation Summit, Long Beach, CA. (December 2011)

Think-tion, NASA, Marshall Institute, Huntsville, AL. (March 2011)

Synergy Leadership and Quantum Organizations, In2In Thinking Network, Los Angeles, CA. (2006)

Daring to Explore—Creating Possibilities Together—Water Logic Flowscapes, In2In Thinking Network, Los Angeles, CA. (2006)

Synergy Leadership in Quantum Organizations, THINC Conference, Lake Lure, NC. (2006)

ACADEMIC TEACHING EXPERIENCE

Adjunct Instructor, CSUN MSEM TSENG Colledge Online, Northridge, CA. [2017 to Present]

- **Engineering Project Management** (Project Management MSE 402) - 4 credit masters of science in engineering management class averaging 25-30 students facilitating use of Microsoft Project software to create and explore a project life cycle with budget, resource, and timeline constraints. Student is part of an engineering team assigned to a project from the ECS PMO where the participants learn techniques for planning, scheduling, and budgeting. Additional techniques for implementing risk management techniques, monitoring tools, and controls that allow the successful development of project plans. The key themes are project leadership, project design, project schedules using PERT and CPM (Critical Path Method) and project integration management.

Part Time Instructor, DeVry/Keller Management Online University, Naperville, IL. [2003 to Present]

- **Project Management** (Management 404) - 4 credit bachelorette undergraduate class averaging 25-30 students facilitating use of Microsoft Project software to create and explore a project life cycle with budget, resource, and timeline constraints. Student learns techniques for planning, scheduling, and budgeting. Additional techniques for implementing risk management techniques, monitoring tools, and

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controls that allow the successful development of project plans. The key themes are project leadership, project design, project schedules using PERT and CPM (Critical Path Method) and project integration management.

- **Human Resources in Project Management** (Project 330) - 4 credit bachelorette undergraduate class averaging 25-30 students facilitating concepts of Project Management in a realistic situation. Students utilize a systemic approach to process, arraigining, and combining pieces of a project plan to accomplish unique predictable outcomes with limited resource and time constraints. The key themes are understanding Project Management organizational structures, managing and leading projects, project team development, sustenance, dynamics, and communication.
- **Senior Seminar** (Business 460) - 3 credit bachelorette undergraduate class averaging 15-20 students facilitating competencies in problem solving, critical thinking, research, teamwork, and oral and written communication to real-world problems in a client-based (customer-focused) environment. The key themes are teamwork, group performance, personal growth, understanding of explicit and implied requirements, constructive criticism of self and others, customer moral dilemmas, strategic alternatives, and recommended future-state solutions.

Part Time Instructor, CALIFORNIA STATE UNIVERSITY, Northridge, CA.

[1994 to 1995]

- **Introduction to CadCam** (MSE 408) – 3 credit bachelorette CIAM (Civil, Industrial & Applied Mechanics) undergraduate engineering class averaging 30 students facilitating the use of CADKEY computer graphic software to develop expertise in the theory and application of computer-aided design and manufacturing, graphical methods, and Cad computer proficiency. The key themes are engineering graphics, x, y, z coordinate system, orthographic views, auxiliary and sectional views, isometric projections, surfacing, projected dimensioning, and technical drawings.

HIGHLIGHTS OF PROFESSIONAL EXPERIENCE

ROCKY PEAK LEADERSHIP CENTER, (RPLC) Chatsworth, CA.

[2010–Present]

Director of Innovation & Strategic Thinking,

Develop and implement Innovation Cube, SCORE Σ , and the International Innovation Research Program (IIRP) utilizing a qualitative/quantitative innovation measurement and grading toolset designed in-house. Coordinate the deployment of leadership and management training and facilitation for current and future customer stakeholders. Identify opportunities for profit & non-profit sustainability events utilizing PRIZM.

Promote and oversee strategic relationships with external entities including business, government, and partner organizations. Develop and implement regional strategic and operational plans for the leadership consulting/contracting team that addresses: mission, staff development issues, access, quality improvement, financial performance, market assessment and analysis, human resources, and information management. Bring industry thought leaders together with experts to seed innovative thinking and to enable collaboration in design, technology, products, services, and business models.

BOEING SDC (SATELLITE DEVELOPMENT CENTER), El Segundo, CA
IPT Leader, MUOS & TDRS, (TA FEED's)

[2009–2010]

MUOS Test Team Lead for Thermal PIM, Acoustic, TVAC and VSWR Return Loss RF Testing on QUAL F1 and F2 antenna designs. Coordinated Failure Investigation for Multipaction events and PIM (Passive Inter-Modulation). Rebaselined hardware delivery and test schedules for multiple test activity overlays. Managed Integrated Performance Management, EV and headcount against TDRS program plans.

CURRICULUM VITAE (continued)

TDRS Design & Test Team Lead for Antenna FEED on K & L Satellite Spacecraft. Lead and coordinate team activities for design development, parts procurement, product assembly, subsystem, and system level RF testing and integration. Implemented LEAN methodologies for process improvements. Managed Integrated Performance Management, EV, and headcount against NASA & TDRS program plans.

BOEING DES (DIRECTED ENERGY SYSTEMS), West Hills, CA [2005–2009]
Program Manager, ABMD SM-3, (*Integrated Defense Systems*)

Block 1A Production Supplier Management for key Ejector Assembly suppliers providing mechanical, electro-mechanical actuated interconnection and Integrated Measurement Guidance units. Establish and review process mapping, program metrics, schedules, plans, risk management, opportunity and contingency planning. Block IIA Advanced Programs Business Architecture development creating Program Best Value strategy to leverage and execute LRBP for Unitary and Multiple Kill Vehicle capabilities for customers and partner suppliers. Establish Interoperability goals and requirements for Missile Defense Agency (MDA) spiral development technology roadmap. Leverage advanced technologies at Boeing for ABMD architecture. Identify and define Engineering and Technology readiness levels for available and future capabilities.

BOEING LEOS (AIRBORNE LASER), Edwards AFB, CA [2003–2005]
Program/Project Manager, ABL, (*Integrated Defense Systems*)

Led and coordinated integration of ABL WEB portal (AF/WAN), Data Management System (ADMS), Manufacturing Execution System (HMS), and Process Based Management System (PBM). Maximized program efficiencies through researching, evaluating, and educating team members on special implementation and capturing of lessons learned and best practices. Developed risk reduction, task management, contingency planning and logic using Action/Risk Control. Implemented fresh initiatives into innovative training processes. Directed efforts to develop and map business management and organizational processes into CMMI and ISO/ASQ format.

BOEING ROCKETDYNE (SPACE ENERGY SYSTEMS), Canoga Park, CA [1987–2003]
Project Manager

Led and managed NASA, Navy electro-mechanical hardware Research & Development Ground Support Equipment (GSE) and Special Test Equipment (STE) program and hardware specifications through proactive design-to-cost coordination and CATIA/PRO-E CAD design. Educated specialist teams in successfully completing high-priority innovation programs. Oversaw design development, engineering, quality, and manufacturing operations. Implemented diverse problem-solving techniques for examining hardware functionality, design, requirements definition, and flow down. Maintained Earned Value metrics and budgetary program milestones for customer profiles.

VISTA CONTROLS CORPORATION, Valencia, CA [1985–1987]
Design Manager,

Lead design team and manufacturing efforts to produce electro-mechanical and opto-mechanical fabricated assemblies. Integrated electro-mechanical systems to military and commercial systems. Reviewed all AUTOCAD documentation for adherence to ANSI Y14.5 adherence.