Christopher P. Christenson (Chris)

Skill/Expertise

- Production Problem Solving
- Project and Research Management
- New Product Design
- Material Science - Structural Properties
- Measurement and Modeling
- Six Sigma
- Dow Chemistry
- Expert Witness

Education

- B.S. Chemistry
  Oklahoma Panhandle State College, 1969
- M.S. Chemistry
  West Texas State University, 1971
- Ph.D. Chemistry
  Iowa State University, 1974

Publications

I am an author of over 300 internal reports, 59 external publications including patents (below), and 7 book chapters. I am an expert in solving difficult technical problems, and have been a mentor and coach to many Dow employees worldwide.

Employment

- **The Dow Chemical Company 1974-2012**
  - **Corporate Fellow 1996-2012. This is the most senior research title in The Dow Chemical Company. Currently, 3 people**

hold this title. Dow Chemical has about 5000 researchers.

- **My role was to lead the solution of many of the most challenging research and production challenges of the corporation. In this role, I was responsible for mentoring and developing Dow researchers around the world.**

- **Precise Systems 2012 - 2014**
  - **Senior Consultant**
- **Volatile Analysis 2013 to present**
  - **Vice President Analytical**
  - **Lead the analysis of odor assessment**
  - **Identification of off odors**
  - **Identification of the source of off odors**
  - **Mitigation and quality control of off odors**
  - **Development of methodology and technology for odor analysis**
  - **Develop patentable technology**

Mitchell R. ("Mitch") White, Ph.D.

Director of Operations Research & Chief Statistician
Volatile Analysis Corp.

Biographical Sketch

Mitch's career in quality spans more than two decades, in a variety of industries from chemicals, to semiconductors and precision machine tools, to electronics and computers. Dow Chemical, Samsung, Applied Materials, Texas Instruments, Motorola and Dell are some of the organizations where he has demonstrated technical, managerial and innovation leadership. He has built high performance technical and Quality teams inside large corporations and government agencies, and has also led start-up enterprises.

Mitch has delivered hundreds of training sessions in quality, statistics and technology on several continents. He has consulted with over 200 high-tech and manufacturing firms.

Key Competencies

Organic, Physical and Analytical Chemistry; Physics and Applied Mathematics; Manufacturing Process Analysis & Improvement; Six Sigma & Lean Flow; Facilitation and Collaborative Problem Solving; Systems Thinking; Mentoring MBBs/BBs/GBs; DFSS; JMP, Statistical Modeling; Theory of Constraints; Innovation on Demand; Curriculum Analysis, Design, Development and Improvement; Adult Learner Theories; Strategic and Tactical Marketing.

Education

B.S., Chemistry and Mathematics (Statistics), Texas Lutheran College
Ph.D., Organic Chemistry, The University of Utah
Additional studies in computer engineering at Michigan State U., and chemical physics at the University of Texas

Example Accomplishments and Organizations Served

- Developed train-the-trainer interventions while leading technical training efforts for Dow Chemical Plastics, serving 3500 researchers at 17 sites in North America.
- Built curricula and directed training teams to deliver technical skills and knowledge for over 960 Samsung employees during their startup in Texas.
- Redesigned and delivered semiconductor process training at over 40 fabs worldwide, while building and leading a team of 17 training professionals in the industry.
- Led process capability and throughput improvements in over 100 First Tier electronic suppliers for Dell in China, Indochina, Singapore, Malaysia, Japan and Taiwan.
- Streamlined training management systems and curricula for chemicals client, yielding 10% savings per year (compounded) while delivering up to 30% more training.
- Participated in the design, development and delivery of comprehensive DFX courses to more than 1,300 Dell Product Group and Enterprise engineers.
- Developed and led software quality training for over 700 software engineers.
- Built extensive strategic and technical marketing programs for several small startups, driving annual revenue growth rates of from 50% to 450%.
- Designed sophisticated, self-optimizing models for calorimetry studies to discover chemical mechanisms in polyurethane foam formation.
- Assisted a "green" chemical startup with engineering design, development, and pilot plant operations, including Statistical Design of Experiments leadership.
- Supports the Science Team at VAC with data interpretation and led the reporting teams on several key odor investigations.
- As a member of VAC Science, drives innovation and intellectual property development, including several patent applications on key aroma technologies.
- Statistically investigated "big data" collections in areas as diverse as foodstuffs and permeation through plastic films.