



THE ERGONOMICS CENTER
OF NORTH CAROLINA
Advancing the Science of Ergonomics in the WorkplaceSM

Julia A. Greenwald, CPE
Senior Ergonomist

EDUCATION

University of Michigan, Ann Arbor, Michigan

M.S.E., Industrial and Operations Engineering, May 1997
Concentration in Occupational Ergonomics and Safety Engineering

University of Michigan, Ann Arbor, Michigan

B.S.E., Mechanical Engineering, May 1996
Concentration in Design and Language (Spanish)

WORK EXPERIENCE

The Ergonomics Center of North Carolina, Raleigh, North Carolina
Senior Ergonomist

October 2006 – present

- Provide comprehensive ergonomics services (i.e. program development, risk assessment, job analysis/design recommendations, training, team development, worker compensation claims support) to clients and member companies/organizations.

Sandalwood Enterprises, Inc., Farmington Hills, Michigan
Project Manager, Ergonomics 2005 – September, 2006

- Ergonomics Group Manager, Project Management, Sales & Marketing, Internal Auditor

Sr. Project Engineer, 6/2003 – 12/2004

- Training: Basic and Advanced Ergonomics, Office Ergonomics, Virtual Manufacturing
- Ergonomic Job Analysis: Analysis conducted using Human Simulation Models (JACK), Biomechanical Analysis (3DSSPP), NIOSH LI and CLI, Metabolic Expenditure, Physical Demand Assessments and other various tools
- Ergonomic Software Development

Johnson Controls, Inc., Warren, Michigan

Senior Ergonomic Engineer, Regional Ergonomics, 2001-2003

- Developed, implemented, supported and maintained worldwide corporate Ergonomics Program and procedures.
- Ergonomic support for multiple regional plants; established, trained, and supported plant Ergonomic teams.
- Industrial Ergonomic resource for product design and launch, providing detailed job analysis and problem solving engineering and design issues.
- Created and taught corporate and local ergonomics courses for all levels of the company.
- Developed, trained, implemented and supported corporate web-based database for Ergonomic Job Analysis tool.

Johnson Controls, Incorporated, Holland, Michigan

Corporate Ergonomic Engineer

- Industrial Ergonomic support for automotive interior design and launch and production plants.
- Managed complex projects involving manufacturing and/ or design issues relating to products and processes.
- Cost justified projects with budgets of up to \$100,000.
- Created / maintained division Injury Root Cause database. Periodically generated reports and analysis of injury trends.

TECHNICAL SKILLS AND CERTIFICATIONS

- Certified Professional Ergonomist (C.P.E.), Board of Certification in Professional Ergonomics (2002 – present)
- Accredited Office Ergonomics Evaluation, The Ergonomics Center of North Carolina (AOEE, 2004 - present)
- Member, Institute of Industrial Engineers, IIE (1999 – present)
- Member, Human Factors and Ergonomics Society, HFES (2000 - 2006)
- Toastmasters International, Officer and Competent Toastmaster, CTM (1999 – 2003)

PUBLICATIONS

- Presentation: 10th Annual Applied Ergonomics Conference
 - “How Many Ways Can You Say ‘Ergonomy’?”
 - “Make your Ergonomics Program Proactive, Not Reactive”
- Presentation: Michigan Safety Conference, April 2006
 - Insurance Division: “Making Your Ergonomics Program Proactive, Not Reactive”
 - Industrial Division: “Ergonomic Tools: Analyze, Design and Cost Justify a Process Improvement” (co-presented with H. Kilduff-Rich, Ford Motor Company Corporate Ergonomics)
- Presentation: 9th Annual Applied Ergonomics Conference, March 2006
 - “Train Smarter, Not Harder! Part 2: Course Design and Preparation”
- Presentation: 8th Annual Applied Ergonomics Conference, March 2005: “Train Smarter, Not Harder!”
- Presentation: 4th Annual Applied Ergonomics Conference, March 2001: “An Ergonomics Program: Key Elements and Implementations”
- Presentation: Society of Manufacturing Engineers Conference, November 2000: “Ergonomics Success – Best Practices and Breakthroughs”
- Presentation: 3rd Annual Applied Ergonomics Conference, March 2000: “Implementing an Ergonomics Program: A Comparison of the Reactive and Proactive Program”
- Susan Devereaux, Julia Greenwald, Johnine Mowatt, Dennis Paine, Brian Sherman, and Cara Valk: Achieving Manufacturing Objectives Through Ergonomic Improvements. Applied Ergonomics: Case Studies, (1):58-76 (1999)
- Presentation: University of Michigan Center for Occupational Health and Safety Engineering, May 1998: “Achieving Manufacturing Objectives through Ergonomic Improvements”