

RESEARCH INTERESTS

Businesses often fail to address all variables affecting operations. Individual industry and market factors may typically be assessed but global resources and basic human demands are less often considered. The vast majority of humans' consumption is acquiring and sustaining reliable water, food, and temperate shelter. Stable, long-term, accessible supplies of these depend directly on affordable, reliable, clean power. Developing changes in the *renewable energy supply chain* offer much opportunity for research, analysis, and improvement. My industry, academic, and professional experience have been broadly focused on this field. I intend to continue to hone my expertise in this area through research into impactful information and application of energy consumption improvement opportunities, as well as continue to bring a sustainability viewpoint to the courses I teach.

ACADEMIC EXPERIENCE**Educational Studies****George Fox University** (5/2013~in progress)

414 N Meridian St., Newberg, OR, 97132

- D.B.A., Business Administration – Management concentration; All But Dissertation (A.B.D.); Dissertation: Consumer assessment of alternative energy (anticipated completion 2023); Comprehensive exams passed (10/6/2015); 56 semester hours (economics, education, ethics, finance, human resources, international business, management, marketing, organizational theory, research, strategy, teaching, and writing), 3.7 GPA (6/20/2015)

Northwest Christian University (1/2010~11/2011)

828 East 11th Ave, Eugene, OR, 97401

- M.B.A., Business Administration; Thesis: Business Plan – Solar photovoltaic contracting (11/17/2011); 37 semester hours, 4.0 GPA (8/25/2011)

Oregon State University (9/1988~6/1992)

2800 SW Jefferson Way, Corvallis, OR, 97331

- B.S., Industrial Engineering; 175 semester hours, 2.67 GPA

LeTourneau University (9/1986~6/1988)

2100 South Moberly Ave, Longview, TX, 75607

- Student, Electrical Engineering; 52.5 semester hours, 2.23 GPA

Lane Community College (9/1987~12/1987)

4000 East 30th Ave, Eugene, OR, 97405

- Student, General Studies; 3 semester hours, 4.0 GPA

Research

Articles in refereed journals

- Schmidt, S. & Bergquist, T. (2012). *An application of project management in the solar energy industry*. Decision Sciences Institute 2012 Annual Meeting Proceedings.

Presentations

- Schmidt, S. (2012). *An application of project management in the solar energy industry*. Decision Sciences Institute 2012 Annual Meeting, San Francisco, CA.

Books edited

- Maggs, A. (2013). *Windguard Way - A compelling history of entrepreneurship: From the Cave of Forgotten Dreams to the next big thing*.

Thesis

- Schmidt, S. (2011). *Evergreen Power & Electric, LLC business plan; Providing energy solutions to positively impact society and contribute to the changing global energy paradigm*. Northwest Christian University – MBA; Eugene, OR.

Doctoral dissertation (in progress)

- Schmidt, S. (anticipated 2024). *Residential solar power: An interpretative phenomenological analysis of the consumer decision process regarding solar adoption in the low energy cost / low solar exposure Pacific Northwest*. George Fox University – DBA; Newberg, OR.

Articles in progress

- Schmidt, S. (2024). *Solar financial analysis literature review*. Intended for Decision Sciences Institute 2024 Annual Meeting.

Conferences

Decision Science Institute annual conference (2012, 2014~2016) – Quantitative academic and professional organization conference

Free Market Forum (2013~2023) – Economics forum

International Assembly for Collegiate Business Education (IACBE) regional conference (2013) – Accreditation body member conference

Affiliations

Decision Sciences Institute (2012~current)

DSI member

International Assembly for Collegiate Business Education (2012~2014)

IACBE representative

Awards

Sigma Beta Delta (2011)

International Honor Society for Business Management and Administration

TEACHING EXPERIENCE

University of Oregon 1208 University St., Eugene, OR, 97401; (541) 346-3300

Instructor of Management – Lundquist College of Business (3/28/2016~current)

- Instruct undergraduate coursework
- Develop Canvas learning management systems (LMS) online courses

Coursework Taught

- Introduction to Business (undergraduate, online)
- Management: Value Through People (honors undergraduate, classroom & online)
- Managing Organizations (undergraduate, classroom & online)

Service to Academic Community

- Core course coordinator
- Transfer credit coordinator

Bushnell University 828 E. 11th Ave., Eugene, OR, 97401; (541) 343-1641

Instructor of Business and Management – School of Business; Instructor of Math and Science – School of Arts & Science (8/1/2013~12/17/2021)

- Complete successful IACBE re-accreditation self-studies and outcomes assessment plans (2014 and 2021)
- Use Taskstream to develop department and course-level assessment measures and rubrics

Acting Chair – School of Business (2/1/2013~7/31/2013)

- Oversee IACBE re-accreditation self-study-year process
- Administer undergraduate business administration major program
- Vet and orient adjunct instructors

Assistant Administrator – School of Business (12/1/2012~1/31/13)

- Participate in faculty and administration standing meetings and committee work

Adjunct Instructor – School of Business (1/9/2012~1/31/13)

- Instruct online and face-to-face classroom coursework daytime and evenings, undergraduate and graduate
- Design coursework, assess textbooks, lecture, grade, advise, and mentor students to create a successful learning environment consistent with the University's educational philosophy and mission
- Develop Moodle learning management system (LMS) online classrooms
- Instruct using Savant Learning Systems online courses

Coursework Taught

- Accounting Information Systems (undergraduate, classroom)
- Corporate Sustainability (graduate, online; developed course)
- Economics – Micro and Macro (undergraduate, classroom/online)
- Global Management (undergraduate, classroom)
- Group and Organizational Behavior (undergraduate, classroom/online)
- Management of Information Systems (undergraduate, classroom/online)
- Introduction to Computer Applications (undergraduate, classroom)
- Introduction to Web Page Design (undergraduate, classroom)

- Legal & Ethical Issues in Business (undergraduate, classroom/online)
- Managerial Finance (undergraduate and graduate, classroom/online)
- Managerial Statistics (graduate, online)
- Marketing (undergraduate, online)
- Marketing Strategy (graduate, online)
- Operations and Service Management (graduate, online)
- Operations Management (undergraduate, classroom and online)
- Organizational Behavior (graduate, online)
- Organizational Communication (undergraduate, online)
- Physics – Electromagnetism, Mechanics (undergraduate, classroom and lab)
- Pre-calculus (undergraduate, classroom)
- Statistical Applications (undergraduate, classroom and online)
- Writing for Business (undergraduate, online)

Service to Academic Community

- Dean's Council representative
- Academic Council representative
- School of Business Faculty Council representative/chair
- IACBE Accreditation Committee chair
- Prior Learning Assessment Committee representative, evaluator
- Corporate Articulation Agreement Committee representative
- Instructional Technology Task Force member
- General Education Committee member
- Faculty Search Committee member
- Thesis Committees member
- Recruiting and orientation events School of Business representative

PROFESSIONAL EXPERIENCE

In industry, I have extensive experience managing teams of up to 50 direct reports and multi-million-dollar departments and projects in multi-national, high-volume, high-tech, ISO 9001 production environments. I have reported directly to corporate executives on strategic, cross-enterprise, mission-critical projects. I have been directly responsible for implementing equipment and processes specifically to improve profit, throughput, quality, yield, efficiency, and capability. I have done extensive project work involving forecasting and budgeting capital, equipment, operations, and labor. I have also had the opportunity to participate in various continuing trainings covering such topics as: operations improvement methods (including statistical production methods, just-in-time manufacturing, and design of experiments), human resources and legal aspects of supervision, corporate behavior and communication, budgeting and corporate finance, and safety.

Hynix Semiconductor

Formerly Hyundai: high-tech, high-volume computer memory manufacturing facility – since shut down as market conditions forced manufacturing to China and Korea; 1830 Willow Creek Circle, Eugene, OR, 97402; (541) 338-5000 (former U.S. manufacturing site location and phone number – now under independent development by Corning)

Facility Electrical Engineering Manager (2/22/2005~11/14/2008)

- Plan, budget, schedule, and direct staff and resources to maximize support of key operational goals of the organization while maximizing productivity of limited resources
- Oversee continual departmental project re-prioritization in accordance with changing business needs, delegating objectives and assignments while consistently finishing projects under budget and ahead of schedule
- Champion drive to reduce electrical usage facility wide through various controls, lighting, and motor upgrade projects

Komag

Formerly HMT Technology: high-tech, high-volume computer hard-drive manufacturing facility – since shut down as market conditions forced manufacturing to Malaysia; 3590 W 3rd Ave, Eugene, OR, 97402; (408) 576-2000 (former U.S. manufacturing site location, phone number of former San Jose headquarters – since bought out by Western Digital)

Facility Manager (4/2001~6/17/2005)

- Administer environmental regulation compliance
- Direct marketing, negotiating, and sale of equipment and real estate
- Create and track budgets for all activities
- Develop and document business relationships with suppliers and contractors to ensure superior facility condition maintained for minimum cost
- Manage all aspects of operations including: marketing, finance, human-resources, safety, security, information systems, etc.

Equipment Engineering Manager (7/31/1997~4/2001)

- Manage projects and departments to support production and facility equipment
- Develop and implement strategic multi-departmental plans to cut operating costs
- Work closely with other senior managers to establish corporate strategic cost cutting plans, present objectives to departmental managers, and solicit supporting project concepts
- Coordinate resources with management of various internal departments and outside contractors to execute facility-wide projects to improve cost, productivity, quality, yield, safety, reliability, maintainability, etc.
- Manage the implementation of new custom and high-tech equipment and processes (including feasibility study, equipment design, failure mode analysis, design review, equipment specification, bid management, contract negotiation, project management, acceptance, installation, initial set-up configuration, qualification, training, and documentation of operation and maintenance, spare parts, PMs, etc.)
- Develop complete layout plans for several major production departments including equipment locations and facility requirements
- Develop and maintain documentation systems exceeding ISO9000 requirements for tracking: control equipment software; CAD files of machines, components, facility layout, and utilities; design review, equipment implementation, and projects status

Maxim Integrated Products

High-tech, high-volume analog computer chip manufacturing facility – since relocated operations as market conditions forced manufacturing to The Philippines and Thailand; 7250 NW Evergreen Pkwy, Hillsboro, OR, 97124; (503) 547-2100

Production Operations Supervisor (10/1995~4/1997)

- Oversee more than 50 technicians and daily production operations while setting productivity and throughput records five straight quarters
- Prioritize and schedule the daily production mix of thousands of products requiring multiple processing steps through various production tools
- Forecast future production rates and additional resources and material required to meet schedules

Whittier Wood Products

High-volume hard-wood furniture manufacturing facility – since relocated operations as market conditions forced manufacturing to Vietnam; 3787 West 1st Ave, Eugene, OR, 97402; (541) 687-0213

Plant/Equipment Design Engineer (1991~10/1995)

- Create facility layouts for optimized product flow
- Improve production systems efficiency (using various tools including automation and computerized simulation)
- Design and oversee in-house and third-party development of new production machinery

Electrical Assistant (1989~1991)

- Electrical and controls and power systems construction

Production (6/1987~1989)

- Manufacture custom hard-wood furniture

OTHER EXPERIENCE

Lane Community College

Contributor (2018~2019)

- Mechatronics Advisory Committee Member
- Industry expertise for grant application for Food and Beverage Manufacturing and Advance Wood Products Manufacturing.

EverGreen Power and Electric

Electrical, solar, and controls contractor; Veneta, OR

Co-owner (2012~current)

- Oversee finances
- Manage supply chain
- Develop web page
- Chair quarterly and annual meetings
- Design specifications and quotes
- Develop marketing materials
- Track technological developments, partner with researchers

True North Ministries

Non-profit counseling service; Springfield, OR

Board Member (2000~2004)

- Oversight of services and finances through quarterly and annual meetings

Retail Customer Service

- Service station (1985~1987)
- Grocery (1984~1987)

Certifications**Oregon OSHA**

- Safety and Health Director (6/2009)
- Safety and Health Ergonomics (7/2009)

SKILLS

- Use superior communications abilities in technical documents, operating procedures, and oral and written presentations and training
- Develop systems and documentation to specify departmental processes per ISO9000 requirements, various Government environmental and safety regulations, and per IACBE accreditation requirements, as relevant
- Proficiently and fairly manage and train departmental and inter-departmental staffs
- Oversee all departmental staffing functions; including writing job descriptions, interviewing, hiring, directing, and reviewing
- Utilize strong equity and sensitivity lens and assessment experience
- Utilize extensive computer experience including all standard office applications, databases, project management, CAD software, and various other specialized programs, including some limited programming and web-development experience
- Employ strong planning and critical thinking skills
- Process significant amounts of data and information quickly and accurately
- Maintain a big picture view while managing project details

PERSONAL

Leisure time includes golf, skiing, rafting, various other outdoor activities, home upgrade and maintenance projects, spending time with friends and family, and a focus on life-long learning in various areas of interest.