Levin Nock

www.LinkedIn.com/in/levinnock

Summary

- **Project Manager of cross-functional teams**
  Successful projects across departments, organizations & countries.
- **Business Analyst**
  Translate stakeholder needs into engineering requirements and procedures.
- **ISO-14001 Implementation**
  Committee member, design for environment, research & prepare extensive report.
- **Quality Assurance**
  Extensive experience in optimization, verification, validation, ISO-9001.
- **Change Agent**
  Systems thinking & innovation.
- **Public Speaker/Teacher**
  Represent program in various venues; teach classes for premedical students.

Functional Experience

Project Manager of cross-functional teams

- Successful projects across corporate departments & divisions, institutions & countries.
- Work collaboratively with diverse stakeholders.
- Coordinate, develop, manage & distribute proposals, plans, schedules, budgets, specifications, procedures, progress reports, final reports.
- Initiate, organize and lead meetings: regular team meetings, focus group & users' groups, intra-corporate outreach meetings, conference workshops.
- Lead a 2-year project of 7 experts & 40+ stakeholders; several projects of 1 to 3 assistants & 10 to 20 stakeholders.

Business Analyst

- Interview various stakeholders, coalesce & document common vision, multiple projects.
- Design, research & document product/process requirements & procedures.
- Conduct research, write reports & lead presentations on greenbuilding development in Oregon.

ISO-14001 Implementation

- Committee member from beginning through successful launch.
- Incorporate “The Natural Step” to enliven a dry topic.
- Research RoHS (Restriction of Hazardous Substances), Design for Environment, Zero Waste.
- Research/prepare/present extensive report on global sustainability standards in commercial construction

Quality Assurance

- Design procedures, software & test fixtures for optimization, verification, validation, & manufacturing repeatability, under ISO-9001 Good Management Practices, several projects.
- Numerical modeling algorithm development with MatLab signal processing, several projects.

Change Agent

- Develop product ideas from research through production, several projects.
- Spearhead, direct, win & manage first government R&D contract for corporate division.

Public Speaker/Teacher/Public Relations

- Represent project effectively in various venues: focus group of 20 industry leaders, international user group of 20 members, workshops of 50 attendees, corporate executive briefings, international conference presentations to audiences of 50 to 500.
- Coordinate public relations activities including website, press releases, conference workshops & demonstrations, and responding to inquiries.
- Assist with early-adopter sales calls.
- Instruct & inspire premedical students in physics, verbal reasoning & critical thinking.

Employment History

Principal, www.JLAF.biz, Portland OR, 2006 – present, consultant.

- Startup consulting company providing greenbuilding research to developers, architects & builders.
- Project Management, Business Analysis, ISO-14001, Change Agent, Public Speaking/PR.

Blacktoe Medical, Portland OR, 12/2007 – 3/2008, consultant.

- Startup medical device company creating miniaturized, wearable transducer for ultrasonic imaging.
- Business Analysis, Quality Assurance.

Siemens Medical Solutions, Ultrasound Group R&D, Issaquah WA

- Senior Scientist 1993-1998, Staff Sci. 1998-2000, Senior Staff Sci. 2000-2004, consultant 2006-7.
- Division of a global leader in medical imaging technology.
- Project Management, Business Analysis, ISO-14001, Quality Assurance, Change Agent, Pub. Spk/PR.

Kaplan Test Prep, Portland OR, January – August 2006

- Local division of a global educational institution for high school and college students.
- Public Speaking/Teacher

US Patents

6716168, 6110114, 5910114, 5782766, 5776066, 5566675, 5460180, 5517995

Education

Certificate	***Seattle Central Community College***		Sustainable Building Advisor
Ph.D.	***Duke University***	Durham, North Carolina	Biomedical Engineering
B.A.	***Cornell University***	Ithaca, New York	Physics, Electrical Engineering

Interests

- "ReCode Portland" volunteer, to align building & zoning codes with sustainable practices.
- Member: Northwest Ecobuilding Guild, Oregon Natural Step Network.
- Founding Board Member, Center for a Sustainable Today, www.SustainableToday.org.

Strengths

Maximizer, Futuristic, Learner, Intellection, Responsibility (Strengthsfinder.com).

Selected Presentations, Publications & Reports

Biomedical Engineering

L.F. Nock & G.E. Trahey, (2003) "Ultrasound Research Interface to collect RF data", ***SPIE International Symposium on Medical Imaging***, Led 2 hour evening workshop, abstract only, San Diego.
`http://spie.org/Conferences/Programs/03/mi/specialevents/index.cfm?fuseaction=workshops`

L.F. Nock, S.S. Brunke, H. Jiang, J.J. Mai, G.E. Trahey, P. Von Behren (2002) "A New Medical Ultrasound Research Interface", ***IEEE 2002 International Ultrasonics Symposium*** proceedings, Munich, pp.1571-1573.

B.D. Fornage, MD, E.N. Atkinson, PhD, L.F. Nock, PhD and P.H. Jones, PhD (2000) "US with Extended Field of View: Phantom-tested Accuracy of Distance Measurements", *Radiology* 214:579-584, http://radiology.rsnajnls.org/cgi/content/full/214/2/579.

L.F. Nock, J.F. Chen, A. Grimmer, C. Lowery, P. Von Behren (2000) "An assessment of SONOLINE Elegra 3-Scape measurement accuracy with freehand scanning with image-based position sensing", presented at ***AIUM 44th Annual Convention,*** San Francisco, abstract.

T. Graubner MD, J. Lazenby, L.F. Nock, P.V.Behren, W.A. Kaiser, (1997) "The detection of slow flow by non-linear ultrasound imaging of contrast agents using harmonic imaging and a new Wide Band Harmonic™ technique in vitro", presented at RSNA 1997, Chicago, ***Radiology.***

L.F. Nock, H.L. Miller, D.A. Curtis, and P.L. Von Behren, (1997) "Verifying geometric accuracy in extended-field-of-view (SieScape™) medical ultrasonic images", abstract, ***Medical Physics*** 24(8)1353.

L. Weng, A.P. Tirumalai, C.M. Lowery, L.F. Nock, D.E. Gustafson, P.L. von Behren, J.H. Kim, (1997), "US Extended-Field-of-View Imaging Technology", ***Radiology*** 203:877-880. (25 citations in Scientific Citation Index)

L.F. Nock and G.E. Trahey (1992), "Synthetic receive aperture imaging with phase correction for motion and for tissue inhomogeneities, part I: basic principles***", IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*** 39(4):489-495.

L.F. **Nock** and G.E. Trahey, (1990) "Synthetic Aperture Imaging in Medical Ultrasound with Correction for Motion Artifacts", ***IEEE International Ultrasound Symposium Proceedings,*** Honolulu.

L. Nock, G.E. Trahey and S.W. Smith (1989) "Phase aberration correction in medical ultrasound using speckle brightness as a quality factor", ***Journal of the Acoustical Society of America***, 85(5):1819-1833. (more than 80 citations in Scientific Citation Index)

Sustainable Construction

- "How to Create Neighborhoods that Work for All?", American Planners Association annual conference, April 30, 2008, in session S583 "The 21st Century Community".
- Summary of 2 day design charrette for 400+ acre development in metro Portland area, 9-page draft.
- Tree Ordinances in Portland Metro area, 8-page report.
- Overview of Sustainable Zoning Ordinances, Research.
- GreenBuild2006 highlights, as relevant for sustainable development in Portland Metro area, 8-page report + presentation.
- Overview of Sustainability Standards in Relation to the Green Building Industry. 46-page report + presentation.

"A Transportation Grid Beneficial for All Residents: Greenways Interlaced with Cul-de-Sacs (GIC)" 20 to 30 minute presentation on safer, healthier neighborhoods, presented in various venues including:

- "Sustainable Tomorrow" TV show, 10/2006. (The show has been renamed "Sustainable Today")
- Rethinking Sustainable Construction 2006, Sarasota FL, presentation & conference paper. Also moderated two conference sessions: B107, Existing buildings: materials & methods and A108, Closed loop material systems II, 9/2006.

Recommendations on www.LinkedIn.com/in/levinnock

Scott Corbett

VP Engineering, Blacktoe Medical (colleague)

"I enjoyed working with Levin at a biomedical startup company (Blacktoe Medical) developing a new ultrasound probe. Levin has a broad background in ultrasound and contributed in a number of areas including defining product specifications, exploring the regulatory requirements for the product, contributing to product development and project tracking among many others. He is an excellent writer, logical thinker and I would recommend him as a valuable biomedical scientist, particular related to ultrasound technology." April 1, 2008

Freiburger Paul

Sr. Manager, Siemens Medical Ultrasound (colleague)

"Levin is a highly intelligent, creative scientist who does outstanding work in a very thorough and complete manner. He takes the time to understand whatever issue is at hand, then investigates the viable solutions including his own creative ones, chooses the best, and then completes the project in the best possible manner." March 8, 2007

Shelby Brunke

Staff Scientist, Siemens Ultrasound (colleague)

"Levin is a thoughtful person and a thorough project manager. He has the technical ability and interest to understand relevant details, but never loses site of the big picture." April 11, 2007

Dave Gustafson

Sr. Director, Siemens Medical Solutions (colleague)

"I think the best way to recommend Levin is to highlight two projects in which he excelled. First, in the development of an application called SieScape, we needed a careful assessment of the quality and measurement accuracy which this application could provide. He led a team to develop a phantom to use in these measurements, later commercialized, and enabled 510(k) clearance of this application with measurement claims which the FDA cleared. In the second, an NCI sponsored contract to develop an ultrasound research interface he again showed superb leadership, including working with two key development partners in university settings. As with any federally funded project, progress to plan, and timely reporting are vital. Both of these projects are good representations of Levin's commitment, attention to detail, scientific understanding, and ability to work in complex team environments." June 6, 2007

Rose Holden

Owner, Oregon City Golf Club (business partner)

"Levin is a brilliant and innovative systems thinker who is solution based. I have found him to be an excellent resource and advisor." March 6, 2007