

DR. RUBY D. LATHON

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SUMMARY: Dr. Ruby Lathon is a certified holistic nutritionist and inspires with a powerful story of recovering from thyroid cancer through alternative treatment focused on a whole food, plant-based diet. Dr. Lathon worked as a researcher and an award-winning engineer, and now teaches others how to re-engineer their health and live disease free. In the technical arena Dr. Lathon is a highly skilled professional with a wide range of experience in strategic planning and management for resolving long-standing problems and creating solutions that improve operational efficiency. Dr. Lathon has a rich mix of technical analysis, program management, business development, and business management.

EDUCATION

Holistic Nutrition Certification, 8/2013
Washington Institute of Natural Medicine, Wash DC

Holistic Nutritionist, Holistic Nutrition Practitioner
American Naturopathic & Holistic Association

Ph.D., Industrial & Systems Engineering, 8/2000
University of Alabama in Huntsville
Dissertation: *The Use of Clustering Analysis & Feature Extraction for the Reduction of Very Large Data Sets*

Major: Operations Research
Minor: Engineering Management, Statistics

M.S., Industrial & Systems Engineering, 5/95
University of Alabama in Huntsville
Thesis: *An Intelligent Strategy Discriminator for an Automated Guided Vehicle System*

Major: Operations Research
Minor: Artificial Intelligence, Statistics

B.S., Computer Science, Cum Laude, 5/92
Oakwood University, Huntsville, AL

EXPERIENCE

5/2010 - Present

DIRECTOR/HOLISTIC NUTRITIONIST, Roadmap to Holistic Health, LLC, Washington DC

Roadmap to Holistic Health, LLC was founded in 2010, and is headquartered in Washington, D.C. Through the leadership of Dr. Ruby Lathon, Ph.D., Roadmap to Holistic Health specializes in health and wellness consultations, whole foods nutrition education, cooking instruction, seminars, and workshops. It works with individuals and groups to deliver scalable and customized nutrition programs. Dr. Lathon is a sought-after speaker in the health and wellness industry. Dr. Lathon's personal experiences uniquely qualify Roadmap to Holistic Health as an expert in a lifestyle-centered, holistic approach to overall health and wellness. www.RubyLathon.com

10/10 – 6/2016

STRATEGIC PLANNING OFFICER, Government of the District of Columbia, Department of Human Services, Washington, DC.

Implement strategies to redesign the DC public assistance program, including the development of community, and inter and intra-agency relationships. Oversee, plan, and coordinate various aspects of research, design, and program implementation. Provide strategic analysis including analyzing and evaluating the public assistance employment program. Survey and analyze program performance, such as organizational structures; process flow and work systems. Perform independent research and analysis of other state and local public benefits assistance programs to ensure use of best practice standards and innovations in the agency's public assistance program. Collaborate with local and national officials to develop strategies to improve the quality and effectiveness of services. Review and assist in the preparation of legislation that affects agency programs.

- 12/08 – 10/10 **NUTRITION POLICY MANAGER, Physicians Committee for Responsible Medicine, Wash, DC.**
Developed and managed child nutrition public policy initiatives with a focus on implementing campaigns to promote healthful diets and effect change at state and federal levels. Designed and implemented campaigns to advocate healthful diets to the federal government, non-government organizations, nonprofit health organizations, educational institutions, and the general public through writing, speaking, advertising campaigns, and media outreach. Analyzed legislation and regulations and developed strategic partnerships to further organizational goals. Developed a successful national grassroots campaign. Prepared public education materials and lobbied Members of Congress and state legislators to formulate legislation on critical child nutrition issues. Promoted organization and its mission in professional settings.
- 5/03 – 12/09 **VICE PRESIDENT, EMT Inc. (Engineering, Management & Technology), Albuquerque, NM.**
Lead efforts in business and technology development and established and operated division offices in Albuquerque, NM. Assisted in development of policies, procedures, and standards and in the development of the long and short-term organizational goals and strategic plans. Responsible for marketing, planning, and management of technical research initiatives. Lead successful development of flagship logistics support software product, OptSim®, including conceptual design, development, testing and marketing. **Major Achievements:** Highly instrumental in significantly increasing company revenue (>30%) through the cultivation of strategic partnerships, developed all marketing/sales materials, provided increased organizational structure, built and managed the Systems Engineering Division from the ground up.
- 11/98 – 5/03 **SENIOR MEMBER TECHNICAL STAFF, Sandia National Laboratories, Albuquerque NM.**
Emerging Threats Division, Systems Reliability Department. Project Manager for the Support Enterprise Model Program, a program designed to facilitate instantaneous “situation awareness” of the entire operating, support, and logistics environment for the Joint Strike Fighter and other large, complex systems. Served as Laboratory Project Manager of the Demand Activated Manufacturing Architecture Project that was part of the American Textile Partnership (AMTEX). This project represented a nationwide effort focused on increasing the competitiveness of the fiber, textile, apparel and retail industries. Responsibilities included project management and planning, development of collaboration guidelines, coordinating tasks among four national labs, two commercial software vendors, and four major textile sectors, from the project planning phase through pilot implementation. Other responsibilities include overseeing the development and implementation of a large-scale textile supply chain simulation tool. **Other Projects:** Project/Technical Lead for the Lockheed Martin P-3C Orion Performance Based Logistics Program; Task Lead for research/development of Information Assurance Toolkit for the DARPA Information Assurance Science & Engineering Tools Program; Spare parts optimization, modeling and simulation, and algorithm development for multi-echelon supply and support systems.
- 8/94 – 10/98 **RESEARCH FELLOW, NASA Marshall Space Flight Center, Huntsville AL.**
Astrionics Laboratory, Software Simulation Division. Major Project: Worked in cooperation with Lockheed Martin to develop a prototype Automated Diagnostic System for the main propulsion system of the Reusable Launch Vehicle modeled in Gensym’s G2 development system. Responsible for development and implementation of the neural network model for the solenoid valve signature traces as well as development of the test conductor control modules for automated test and checkout.
- 8/92-8/94 **GRADUATE RESEARCH FELLOW, Intelligent Systems Laboratory, Univ. of AL, Huntsville.**
Assisted in various research projects in the areas of simulation modeling and expert system design and development. Modeling platforms included AutoMod by AutoSimulations, LISPS and CLIPS. Responsibilities included knowledge acquisition, literary research, and software development. Major Project: Chrysler Huntsville Electronics Division, Automated Guided Vehicle simulation development and analysis.

TEACHING EXPERIENCE

- 5/2006 **SEMINAR INSTRUCTOR, Huntsville AL Elementary School Leadership Teams, “Developing Culture Through Vision, Mission & Values”, May 2006.**
- 5/98- 7/98 **INSTRUCTOR, Oakwood University, Huntsville, AL; LEAP Adult Degree Continuing Education Program.**
Course: Statistics & Business Research Methods.
- 8/94-8/96 **SUBSTITUTE TEACHER, Huntsville City Schools, Huntsville AL.** Took on responsibilities of absent teachers ranging from kindergarten through 10th grade, throughout the Huntsville City School System.
- 3/91-5/92

1/91-3/91	<p>COMPUTER LAB ASSISTANT, Business & Information Systems, Oakwood University, Huntsville AL. Tutored and assisted students with computer programs, monitored students in progress, responsible for daily lab operations. Utilized knowledge of programming languages and analytical and problem solving skills.</p> <p>TEACHING ASSISTANT, Business & Information Systems, Oakwood University, Huntsville AL. Numerous responsibilities including grading test papers and class work, electronically documenting grades and general clerical duties. Utilized knowledge of programming languages and general computer skills.</p>
HONORS & AWARDS	<ul style="list-style-type: none"> • 2007 Girl Scouts of Chaparral Council, Inc. Hall of Fame: Women in Science, Technology, & Engineering • Technologist of the Year Award, National Society of Engineers, March 2002 • Technology All-Star in Government and Defense Award, Career Communications Group (CCG), July 2001 • NASA Graduate Student Researchers Fellowship, 1994-1998; National Science Foundation Assistantship, 1992-1994; Who's Who Among American Colleges & Universities, 1997; General Conference of SDA Regional Scholarship, 1996,1997; ASRS/AGVS User's Association Student Scholarship, 1995,1996; Scholastic Achievement Award (UAH), 1995; ITT Hartford Insurance Student Scholarship, 1991; Scholastic Achievement Scholarship Oakwood University, 1988-1990; National Deans List & Honor Roll.
ASSOCIATIONS & COMMUNITY INVOLVEMENT	<ul style="list-style-type: none"> • Board Chair, Vice President - Endorphin Power Company (Substance Abuse Recovery Center) (2005-2007) • Del Norte Rotary Club, Paul Harris Fellow, International Committee Matching Grants Chair (2005 – 2009) • President, Strategic Action Forum, Albuquerque Think Tank on Public Policy (2006 – 2009) • Vice President, National Society of Engineers Alumni Extension-ABQ (99-2001); Coordinated quarterly Professional Development Workshops, tutored students for regional/national competitions and SAT/ACT exams, coordinated a variety of community outreach programs and fundraising events. • Graduate Studies Representative - University Judicial Board, University of Alabama, Huntsville • Youth Motivation Task Force Consultant, Oakwood University • Licensed Foster Parent (2000) • Vice President, UAH Graduate Student Association, 96-98 • Youth Mentor, CO-ARMM (Coalition for At-Risk Males) Youth Mentor Program, 91 – 97
PROFESSIONAL DEVELOPMENT	<ul style="list-style-type: none"> • Selected for participation in the 2007 Leadership Albuquerque Class. Leadership Albuquerque is the Greater Albuquerque Chamber of Commerce Leadership program developed to enhance the skills of veteran leaders and prepare aspiring leaders to “make a difference” in the economic health and quality of life of the community by teaching how they can take a leadership role in the voluntary (nonprofit) and public (government) sectors. • Selected by Sandia National Lab's (SNL) Vice President for the Employee Development, Growth, & Education (<i>EDGE</i>) Program, October 2000. Program's goal is to create next generation leaders by targeting and focusing attention on high-performing managers and staff. • Selected for SNL's first Business Development Scholarship Program, February 2001. • On-going Training: <i>Social Styles Training Course</i>: Developing communication skills, managing diversity, developing and motivating others, May 2001. • Developed, coordinated, and obtained funding for the First Annual Spring Symposium focusing on academic excellence and advancement at the University of Alabama in Huntsville, April 1998. Presented workshop on “Making Professional & Dynamic Presentations”.
SELECTED CONFERENCE PAPERS	<p>“Optimization Strategies for Complex Supply Chains”, R. Lathon, Proceedings of the IIE Annual Conference, Orlando FL, May 2006; Proceedings of Simulation Solutions Annual Conference, Atlanta, GA, March 2005 – Invited (Committee Chair).</p> <p>”Achieving the Objectives of Performance Based Logistics Modeling”, R. Lathon, Proceedings of the 2004 Simulation Solutions Annual Conference, Orlando FL, March 2004 (Committee Chair).</p> <p>“Supply Chain Optimization via Modeling and Simulation”, R. Lathon, Proceedings of the 2002 Defense Manufacturing Conference, Dallas, TX, December 2002.</p> <p>“The Use of Clustering Analysis and Feature Extraction for the Reduction of Very Large Data Sets, Analyzed Via a RBF Neural Network”, R. Lathon, American Institute of Aeronautics and Astronautics (AIAA) Journal, (98-5182), November 1998.</p>

“An Application of G2 & Neuron-Line to An Automated Propulsion Diagnostic System”, R. Lathon, J. Patterson, Proceedings of the Gensym Users Society Worldwide Conference, Paris, France, April 1997. Also in the Proceedings of the NASA University Research Center Technical Conference, Huntsville, AL, Feb 1998.

“Theories-in-use Versus Espoused Theories”, C. Bell-Roundtree, R. Lathon, J. Westbrook, D. Utley, Proceedings of the 17th Annual American Society of Engineering Management (ASEM) Conference, University of Texas at Dallas, October 1996.

“Negotiation Among Scheduling Agents to Achieve Global Productions Goals”, R. Lathon, A. Claassen, D. Rochowiak, L. Interrante, in Proceedings of the 1994 IEEE International Conference on Systems, Man and Cybernetics, San Antonio, TX, October 1994.

“Intelligent, Dynamic Scheduling of AGV’s: Simulation, OR, and AI,” L. Interrante, L. Shields, R. Lathon, N. Romero, Proceedings of the CICHME Colloquium, April 1994.

“Design of an Intelligent Manufacturing Scheduling System”, L. Interrante, A. Claassen, R. Lathon, Proceedings of the 3rd IERC, January 1994.

SECURITY CLEARANCE: Held DOE Top Secret Clearance (Q) – 2/1999 through 9/2007; Reinvestigation -2005.