Dr. Ben Amaba, Licensed Professional Engineer, CPIM®, LEED®AP BD+C

Chief Technology Officer,
Artificial Intelligence & Data Sciences.
Industrial and Engineering Sector
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Education

- Doctorate in Industrial & Systems Engineering, Awarded Excellence in Research
- MBA/MS in Engineering and Operations, High honors. Thesis: Financial Decision Making in Information Technology Capital and Expense Budgeting."
- B.S. in Electrical Engineering, Honors

Technology

- Artificial Intelligence
- Data Sciences and ORMS
- Robotic Process Automation
- Internet of Things (IoT)

Expertise

- Corporate Business Strategy – Risk Management
- OEE, NPT, Quality, Sustainability, and Reliability
- Logistics and Supply Chain
- Manufacturing Operations (S&OP)
- Work Design and Safety (HSSE)
- Systems and Software Engineering

Industry Experience

- Industrial Manufacturing
- Chemical and Processing
- Energy
- Distribution
- Infrastructure and Engineering

Experience Overview

Dr. Ben Amaba's expertise is in executive management, strategic planning, operations, and engineering. Dr. Amaba is a registered and licensed Professional Engineer in several states with International Registry; certified in Production, Operations, and Inventory Management by APICS ®; LEED® Accredited Professional (Leadership in Energy & Environmental Design); and certified in Corporate Strategy by Massachusetts Institute of Technology in Cambridge, Massachusetts. He is responsible for industrial manufacturing, infrastructure and logistics solutions. Dr. Amaba is the Chief Technology Officer for the Industrial Sector – Data Sciences and Artificial Intelligence Elite Team.

Dr. Amaba holds a copyright for Process Activity Flow Framework®, the foundation for requirements, design, architecture, simulation, and application development techniques. Dr. Amaba has been a keynote in major professional and industry conferences around the world for the past 30 years, is prominently featured in "Giving 2.0," by Laura Arrillaga-Andreessen with Stanford Business School, which details contributions to bolster and promote STEM education and careers, and is an Alexis de Tocqueville Society/United Way Member, which recognizes local philanthropic leaders. Dr. Amaba has published globally on best practices and robust approaches to drive market innovation, economic development and private public partnerships.

Representative Engagements, Publications and Work

- Dr. Amaba holds positions as Board of Director of Project Production Institute, Whoop Wireless Corporation, UCX Corporation, and RANCS Group LLC, Executive Board Member of Applied Human Factors and Ergonomics (AHFE) and Florida Energy Systems Consortium (FESC), Editorial Board Member to IEEE (Institute of Electrical and Electronics Engineers) IT Professionals, Founding member to the Institute of Advanced Systems Engineering, Founding member to the Center of Advanced Supply Chain Management, member for Council on Industrial and Systems Engineering (CISE), US Engineering Change Lab, Editorial Board of The Open Cybernetics and Systemics Journal, and Executive Advisory Board Member to the University of Miami, University of Houston, and University of Central Florida.
- B. Amaba, P. Laplante, "To Err is Human, to Forgive, Artificial Intelligence", IEEE IT Professional July August. 2019.
- B. Amaba, P. Laplante, S. Sargolzaei, A. Sargolzaei, T. Ahram, J. Daniels, "Advancing Technology on a Systematic Platform Professionally", IEEE Southeast Conference, Huntsville, Alabama, 2019.
- B. Amaba, S. Sargolzaei, A. Sargolzaei, M. Abdelghani, "Cloud-based Smart Health-care Platform to tackle Chronic Disease." International Journal of Innovative Studies in Sciences and Engineering Technology, Volume: 2 Issue: 8, August 2016.
- B. Amaba, J. Daniels, A. Sargolzaei, "Industrial Control System Applications go Mobile in the Cloud.", IEEE MetroCon, Dallas, Texas, 2015.
- P. Fechtelkotter, G. Bleakley, B. Douglass, B. Amaba, "Model-Driven Development for Safety-Critical Projects in Intelligent Energy." Society of Petroleum Engineers 2013, Dubai, United Arab Emirates, October 2013.
- Worked with General Electric, Caterpillar, Pepsi, Lockheed Martin, National Semiconductor, FedEx, Intel, Westinghouse, Walmart, Ministry of Defense, Veteran Administration