

Lewis A. Njualement, Ph.D.

Associate Professor
School of Cyber & Decision Sciences
Jack H. Brown College of Business and Public Administration
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EDUCATION

Doctor of Philosophy

Ph.D. in Systems & Engineering Management

Dissertation: Exploring the effects of enterprise resource planning systems on direct procurement in upstream asset-intensive industries

Dissertation Chair: Dr. Milton Smith

Texas Tech University, Lubbock, TX 2018

Master of Business Administration

Strategic MBA

Concentration: Operations & Supply Chain Management

University of Houston-Victoria, Victoria, TX 2013

Bachelor of Science in Computer Science

Concentration: Information Systems

University of Houston-Victoria, Victoria, TX 2004

Associate in science

Houston Community College, Houston, TX

2001

PROFESSIONAL CERTIFICATIONS

ERP SAP, SAP Certified Application Associate - Planning & Manufacturing with SAP ERP 6.0 2010

APICS (ASCM), CSCP-Certified Supply Chain Professional 2008

RESEARCH INTERESTS

- Supply chain sustainability
- Blockchain technology applications
- ERP systems usability & improvements
- Operations efficiencies & improvements
- STEM online learning research
- Digitalization & global trade

REFEREED JOURNAL PUBLICATIONS

Montgomery Van Wart, Mirand McIntyre, Jing Zhang, Pamela Medina, Anna Ni, Lewis Njualement, The perceived importance of active learning techniques in online STEM courses, *Computers and Education Open*, Volume 9, 2025, 100309, ISSN 2666-5573, <https://doi.org/10.1016/j.caeo.2025.100309>.

Njualement, L.A.; Pandey, C. An Exploratory Study About Integrating Enterprise Engineering Change Management into Blockchain Technology. *J. Theor. Appl. Electron. Commer. Res.* **2025**, *20*, 6.

<https://doi.org/10.3390/jtaer20010006>

Oluwatosin Ogundare & Lewis Njuaem. A Computational Model for Gender Asset Gap Management with a Focus on Gender Disparity in Land Acquisition and Land Tenure Security. *American Journal of Operations Research*, p. 95-105. 2160-8849. **2025**. Scientific Research Publishing. 10.4236/ajor.2025.153005

Njuaem, L., & Ogundare, O. (2023). A sustainability model for globalized mining supply chain. *International Journal of Supply and Operations Management*, 10(1), 105-116. doi: 10.22034/ij som.2022.109338.2333

Njuaem, L.A. Leveraging Blockchain Technology in Supply Chain Sustainability: A Provenance Perspective. *Sustainability* **2022**, *14*, 10533. <https://doi.org/10.3390/su141710533>

L. A. Njuaem and O. Ogundare, "A Conceptual Framework of the Impact of Globalization on the Mining Industry Supply Chain Networks," 2021 IEEE 8th International Conference on Industrial Engineering and Applications (ICIEA), 2021, pp. 459-464, doi: 10.1109/ICIEA52957.2021.9436751.

Njuaem, L., & Smith, M. (2018). Exploring the effects of enterprise resource planning systems on direct procurement: An upstream asset-intensive industry perspective. *International Journal of Supply and Operations Management*, 5(4) 396-402.

PUBLICATIONS CURRENTLY UNDER REVIEW

Monty Van Wart, Miranda McIntyre, Jing Zhang, Pamela M. Gutierrez & Lewis A. Njuaem. The Comparative Importance of Active Learning Techniques in Online STEM Courses. *Journal of STEM Education: Innovations and Research*.

WORKING PAPERS

Lewis A. Njuaem & Anusha Balehola. Assessing the Impact of Insufficient Supply Chain Digitalization in Sub-Saharan Africa on Global Trade: A Mixed-Method Research Approach. The research investigates regional logistics bottlenecks and empirically evaluates their downstream impact on the global trade ecosystem.

Duane Cofield & Lewis A. Njuaem. The study examines the sense of belonging among international students who have selected business as a major, focusing on the development and validation of a "sense of belonging scale" that can be applied to other business schools. In addition to validating this scale, we investigate the influence of factors such as academic standing, gender, age, race/ethnicity, income, socioeconomic status (SES), personal experiences, and choice of major on students' sense of belonging. The analysis provides valuable insights into the factors shaping student engagement and inclusion in business education.

REVIEWER:

- International Journal of Supply and Operations Management
- OMEGA: The International Journal of Management Science
- Journal of Agriculture, Food and Environment
- International Conference on Optimization and Data Science in Industrial Engineering (2024)
- MDPI, Multidisciplinary Digital Publishing Institute: Sustainability, JTAER, Mathematics, Fintech, Buildings, Information & RSEE

HONORS & AWARDS

Excellent oral presentation, 2021 IEEE 8th International Conference on Industrial Engineering and Applications

ACADEMIC EXPERIENCE

Associate Professor of Supply Chain Management and Business Analytics

California State University San Bernardino, San Bernardino, CA

08/2026 – present

- Tenured Associate Professor at the School of Cyber and Decision Sciences.
- Serve in logistics, ERP, MBA committees as well as several committees within the school of cyber & decision sciences, the college of business and public administration and the university.
- General teaching and research areas: Supply chain management, decision making in operations, sustainability, enterprise resource planning systems integration, artificial intelligence-driven enterprises, business systems & processes, leveraging blockchain technologies, teaching & learning in STEM and digital technology in global trade.

SAP Faculty Director, Jack H. Brown College of Business and Public Administration

California State University San Bernardino, San Bernardino, CA

06/2023 – present

- Primarily acts as a bridge between Jack H. Brown College's operations and the SAP university competence center (UCC), managing user access, troubleshooting issues, and coordinating system updates.
- Serves as the primary point of contact for all SAP-related activities within the institution, including training users on how to effectively utilize the system across different departments.
- Coordinates Jack H. Brown College's in-house undergraduate and graduate ERP certificate of completion programs.

Assistant Professor of Supply Chain Management and Business Analytics

California State University San Bernardino, San Bernardino, CA

08/2020 – 07/2026

- Develop and teach courses in logistics, business analytics, enterprise resource planning, operations, and supply chain management at the undergraduate and graduate levels.
- Serve in logistics, ERP, MBA and several committees within the school of cyber & decision sciences.
- Serve in several college and university committees
- Participate in STEM instructors learning community for CSU apprenticing students to STEM thinking.
- Participate in ACUE program and completed 6 modules in promoting active learning online.
- Disciplinary lead in the NSF STEM online learning best practices project
- Conduct research in areas of operations, supply chain management and technology
- Supervise, mentor and guide students throughout their master's degree research project

Assistant Professor of Production and Operations Management

University of Minnesota Duluth, Duluth, MN

08/2019 – 07/2020

- Developed and taught courses in production and operations management at undergraduate and graduate levels
- Updated and managed course materials on Canvas learning management system
- Served in teaching and learning committee developing guidelines for new faculty mentoring and development
- Participated in student advising and mentoring as well as other services to department, school and community

Adjunct Professor of Enterprise Systems and Supply Chain Management

Seneca College of Applied Arts & Technology, Toronto, ON

10/2017 – 07/2019

- Designed and taught courses in supply chain management as well as courses with SAP ERP component including business processes, procurement systems, project management, manufacturing and logistics
- Evaluated and assessed student progress and achievement
- Mentored and assisted students to successfully complete the SAP TERP 10 Certification Exam

Tutor/Project Assistant,

University of Houston Systems, Sugarland, Texas

01/2003 – 05/2004

- Tutored and assisted over 35 junior/senior students in areas of mathematics and software engineering projects

Courses Taught:

- SCM 870 – Scheduling and Inventory Management, Winter/Spring 2018/2019
- SCM 940 – Logistics and Supply Chain II, Summer 2018/2019
- BMI 702 – Inventory and Production Management, Fall 2018
- MGTS 3301 – Production and Operations Management, Fall 2019, Spring 2020
- MBA 8311 – Decision Making in Operations, Fall 2019
- SCM 3040 – The Principles of Supply Chain Management, Fall 20/21/24/25/26, Spring 21/22/23/24/25/26
- ADMN 2100 – Applied Business Statistics, Fall 20/21/22/23/25/26, Spring 21/22/23/24/25/26
- ADMN 6010 – Data-Driven Decision Making, Spring 21/24
- SCM/IST 5030 – Enterprise Resource Planning, Fall 21/22/23/24/25/26, Spring 24/26
- SCM/IST 3500 – Problem Solving and Decision-Making, Summer 2022, Fall 23/24
- SCM 6070 – Managing the Supply Chain, Fall 2023/24/25, Spring 24/25/26
- BDA 6010 – Business Process and Systems, Fall 23/24/25
- SCM/IST 5050 – Advanced Enterprise Resource Planning, Spring 24/25/26
- SCM 4750 – Supply Chain Analytics, Spring 2025
- SCM 5150 – Project Management, Fall 2025

INDUSTRIAL EXPERIENCE

SUMMARY

- Over 21 years of professional experience across diverse industries including mining, energy, paper & pulp, heavy equipment, aerospace, consumer packaged goods, telecommunications, and pharmaceuticals.
- Over 16 years of hands-on experience with ERP systems including SAP MM, PP, PM, PS, PLM, SD & FICO
- Project management experience leading and managing teams from various SAP engagements.
- Expert SAP Supply Chain Consultant with good knowledge of integration points with related modules
- SAP Certified Consultant - Planning & Manufacturing
- APICS Certified Supply Chain Professional

Lead Consultant – SAP MM

Illumiti Inc., Toronto, ON

04/2018 – 08/2019

- Worked on SAP implementation projects specifically with responsibility over SAP MM module for clients in mining and related asset-intensive industries including Lundin Mining's Zinkgruvan Mine in Sweden, Riversdale Resources in Australia, Champion Iron in Quebec and Glencore's Africa Copper division
- Utilized business, functional, technical and solution expertise to effectively integrate technology into clients' business environment within SAP HANA and FIORI UX platforms

Lead Architect - SAP Operations

New Gold Inc., Toronto, ON

01/2014 – 12/2017

- Managed SAP projects in MM, IM, PM, and PS areas for 5 globally operating mine sites
- Developed multiple project implementation strategies with project planning, resource matrix, budgets, estimates and creation of project delivery schedule
- Worked with senior management, site business owners and project leaders to identify business and technical needs in operations, as well as designing, developing, and implementing system solutions
- Liaised with strategic sourcing teams and external vendors to reengineer procurement process and drive supply chain efficiencies through process redesign and implementation of subsequent tools
- Moderated global IT supply chain meetings across sites aiming at standardizing business processes and configuration settings, to facilitate consolidation efforts into a global SAP instance

Sr. SAP SCM Management Consultant

Pinto Valley Mine, Miami, AZ

09/2013 – 12/2013

- Coordinated the execution of supply master data to support supply chain and maintenance activities within 1SAP implementation for Pinto Valley mining operations in Arizona
- Enforced master data record accuracy framework to ensure best practice and data optimization

Lead MPA/MMP Functional Support Consultant

Rio Tinto, Toronto, ON

07/2012 – 09/2013

- Enhanced and supported SAP MM, PP, PM and PS landscape for a large mining client with various sites across the globe
- Led the support team for MPA/MMP track and coordinated with the offshore team to resolve support tickets, providing timely resolution to the client

SAP MM Consultant

New Gold Inc., Toronto, ON

04/2012 – 07/2012

- Managed several activities within SAP MM module to support the supply chain improvement project at New Afton mine geared towards seamless integration within procurement, maintenance and finance
- Performed current state analysis, defined strategy and developed functional requirements as well as designing, implementing, testing, training and ongoing production support

SAP SCM MM Consultant

Caterpillar Tunneling Corporation, Toronto, ON

09/2011 – 03/2012

- Worked as local COE for procurement module on a global template (Mach 1) implementation at the client's site with responsibilities involving configuration, data migration, validation, testing and knowledge transfer
- Executed project system-oriented procurement solution in ETO (Engineer-to-Order) environment; WBS element, project stocks, procurement of long lead items driven from network activity
- Prepared configuration guide on release strategy for purchase requisitions and integrated procurement processes to interfaces with lognet, and other related systems
- Streamlined and documented stock transfer, intercompany, and subcontracting processes (planned & Ad hoc), refurbishment process, data mapping for material master, vendor master and purchase info records

COMPUTER SKILLS

Languages: C++, Java, Visual Basic, SQL, HTML, XML

Operating Platforms: Windows 95/98/NT/ME/2000/XP/VISTA/10, MS-DOS, UNIX, AS/400, Oracle

Software & Business Tools: MS Project, MS Visio, MS Excel Solver, J2SE, SCHEDULEX, Internet applications, Office Suite, Outlook Express, IBM Lotus SmartSuite, iView XT, QuickBooks, JETS, JD Edwards, SAP R/3, SAP ECC, HANA, FIORI UX, BYD, SRM, BI, BO, SOM, GSD, Service Manager Console, SAP Service Manager, Ticketing Management Systems, Prometheus, Oniqua, Survey Monkey, SPSS, Simulation with Arena

Learning Management Systems (LMS): Canvas and Blackboard

LANGUAGE SKILLS

Fluent in English, French and German

PROFESSIONAL MEMBERSHIPS

Association for Supply Chain Management (ASCM)

Decision Sciences Institute (DSI)

California Faculty Association (CFA)