

Awards and Recognition

4th African Industrial Engineering and Operations Management Conference

April 4-6, 2023, Lusaka, Zambia



IEOM Society

"Achieving and Sustaining Operational Excellence"

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CATME
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**PURDUE
UNIVERSITY**

4th African IEOM Conference

- 200 submissions from 30 countries
- 130 technical presentations
- 15 keynote speakers
- 11 global engineering education plenary speakers
- 15 industry solutions plenary speakers
- 14 global supply chain and logistics plenary speakers
- 10 global business management plenary speakers
- 16 data analytics plenary speakers
- 7 lean six sigma plenary speakers
- 8 panel sessions – 46 panel speakers
- 8 student competitions



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Professor Don Reimer

Director of Membership and Chapter Development



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Honorary Chair



Prof. Charles Mbohwa, Ph.D.

Past Pro-Vice Chancellor Strategic Partnerships
and Industrialisation, University of Zimbabwe

Past Executive Dean, Faculty of Engineering
and the Built Environment
University of Johannesburg
South Africa



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Conference Chair



Dr. Bupe Getrude Mwanza
Associate Director and Senior Lecturer
Graduate School of Business
University of Zambia
Lusaka, Zambia



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Thanks

- Keynotes
- Plenaries
- Track chairs
- Reviewers
- Competition chairs
- Participants from 50+ countries



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4th African International Conference on
**Industrial Engineering and
Operations Management**
Lusaka, Zambia, April 4-6, 2023
Host: University of Zambia
Venue: **Hilton Garden Inn Lusaka**

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IEOM Values



- **Globalization, Diversity, and Inclusion**
- **Innovative and Entrepreneurial Thinking**
- **Student Empowerment and Mentoring**
- **Professional Development and Lifelong Learning**
- **Building Partnerships among Industry, Academia, and Government**
- **Sustainability and Community Development**



Sponsors and Partners



- Membership
- IEOM Professional and Student Chapters
- Conferences - USA, EU, Asia, Africa and South America
- IEOM Journal - IJIEOM
- Forums:
 - Global Engineering Education Forum
 - Global Supply Chain and Logistics Forum
 - Industry Solutions Forum
 - Women in Industry and Academia Forum
- Certification – LSS, FMEA, GD&T, FTA
- Awards and Fellows
- Newsletters



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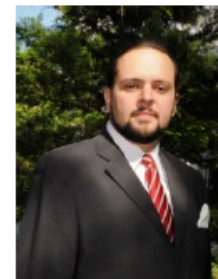




Professor Charles Mbohwa
Pro-Vice Chancellor Strategic
Partnerships and Industrialisation
University of Zimbabwe
Mt Pleasant, Harare, Zimbabwe



Prof. Abdul Talib Bon, Ph.D.
Professor of Technology
Management, Department of
Production and Operations
Management, Universiti Tun
Hussein Onn Malaysia



Prof. Vitor Mendes Caldana
Federal Institute of Sao Paulo
(IFSP) – Sorocaba Campus
Sorocaba, Sao Paulo, Brazil



Dr. Eldon Caldwell
President-Elect
Director, Industrial Engineering
Department, Engineering School
University of Costa Rica
San Jose, Costa Rica



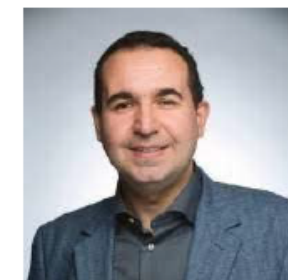
Prof. Jose Arturo Garza-Reyes
Prof. of Operations Management
Head of the Centre for Supply
Chain Improvement
College of Business, Law and
Social Sciences
Derby Management School
University of Derby, UK



Dr. Umar Al-Turki
Professor
Systems Engineering
Department
King Fahd University of
Petroleum and Minerals
Dhahran, Saudi Arabia



Adedeji B. Badiru, Ph.D., PE, FIIE
Dean, Graduate School of
Engineering and Management
Professor of Systems Engineering
Air Force Institute of Technology
Wright-Patterson Air Force Base
Dayton, Ohio, USA



Dr. Abdelaziz Berrado
Chair and Professor
Dept. of Industrial Engineering
The Ecole Mohammadia d'Ingénieurs
(EMI), Mohammed V University,
Rabat, Morocco



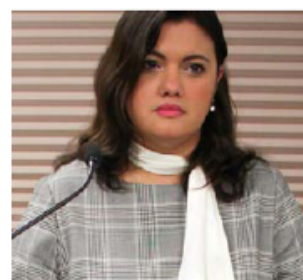
Prof. Abu Masud, Ph.D., P.E.
Past President, 2018-2021
Emeritus Professor, Industrial and
Manufacturing Engineering
Wichita State University
Kansas, USA



Dr. Ir. Wahyudi Sutopo, ST.
Professor, Department of
Industrial Engineering
Vice Dean, Faculty of
Engineering, Universitas
Sebelas Maret (UNS),
Surakarta, Indonesia



Prof. Hamid Parsaei, Ph.D., PE
President, 2021-2023
Professor, Industrial and Systems
Engineering, Texas A&M University,
College Station, USA



Luz Maria Valdez de la Rosa, Ph. D.
Professor, School of Engineering and
Technology
Universidad de Monterrey
Nuevo León, Mexico

IEOM Conferences

Annual Conference

- 2010 – Dhaka
- 2011 – Kuala Lumpur
- 2012 – Istanbul
- 2014 – Bali
- 2015 – Dubai
- 2016 – Kuala Lumpur
- 2017 – Rabat
- 2018 – Bandung
- 2019 – Bangkok
- 2020 – Dubai
- 2021 – Singapore
- 2022 – Istanbul
- 2023 – Manila
- 2024 – Dubai

North America

- 2015 – Orlando
- 2016 – Detroit
- 2018 – Washington, DC
- 2019 – Toronto
- 2020 - Detroit
- 2021 – Monterrey
- 2022 – Orlando
- 2023 – Houston

European

- 2017 – UK
- 2018 – Paris
- 2019 – Pilsen, Czech
- 2021 – Rome
- 2022 – Rome
- 2023 – Lisbon

Asia Pacific Conference

- 2021 – Harbin, China
- 2021 – Surakarta, Indonesia
- 2022 – Jahor Baru, Malaysia
- 2023 - Vietnam

Australia Conference

- 2022 – Sydney
- 2023 – Melbourne

South America

- 2017 – Bogota
- 2019 – Costa Rica
- 2021 – SP, Brazil
- 2022 – Paraguay
- 2023 – Lima, Peru

African

- 2019 - Pretoria
- 2020 – Harare
- 2022 – Nigeria
- 2023 - Zambia

India Conference

- 2021 - Bangalore
- 2022 – NITW + JNTU
- 2023 – New Delhi



Chapters

- Professional Chapters
- Student Chapters

Algeria	Argentina	Armenia	Australia	Austria	Azerbaijan	Bahrain	Bangladesh
Belgium	Bhutan	Bosnia & Herz	Botswana	Brazil	Brunei	Bulgaria	Cambodia
Cameroon	Canada	Chile	China	Colombia	Costa Rica	Croatia	Czech Repub.
Denmark	Dominican	East Timor	Egypt	Ethiopia	Fiji	Finland	France
Germany	Ghana	Greece	Haiti	Honduras	Hong Kong	Hungary	Iceland
India	Indonesia	Iran	Iraq	Italy	Japan	Jordan	Kazakhstan
Kenya	Kuwait	Kyrgyzstan	Latvia	Lebanon	Libya	Malaysia	Maldives
Mauritius	Mexico	Morocco	Namibia	Nepal	Netherlands	New Zealand	Nigeria
Norway	Oman	Pakistan	Palestine	Panama	Papua New Guinea	Peru	Philippines
Portugal	Qatar	Russia	Saudi Arabia	Senegal	Singapore	South Africa	South Korea
Spain	Sri Lanka	Switzerland	Taiwan	Tunisia	Turkey	UAE	Uganda
UK	Ukraine	United States	Uzbekistan	Vietnam	West Indies	Yemen	Zimbabwe

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IEOM Student Chapters

214 Student Chapters in 55 countries



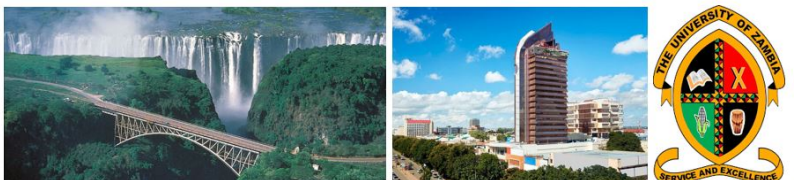
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Université Quisqueya, Haiti



Sapir College, Israel

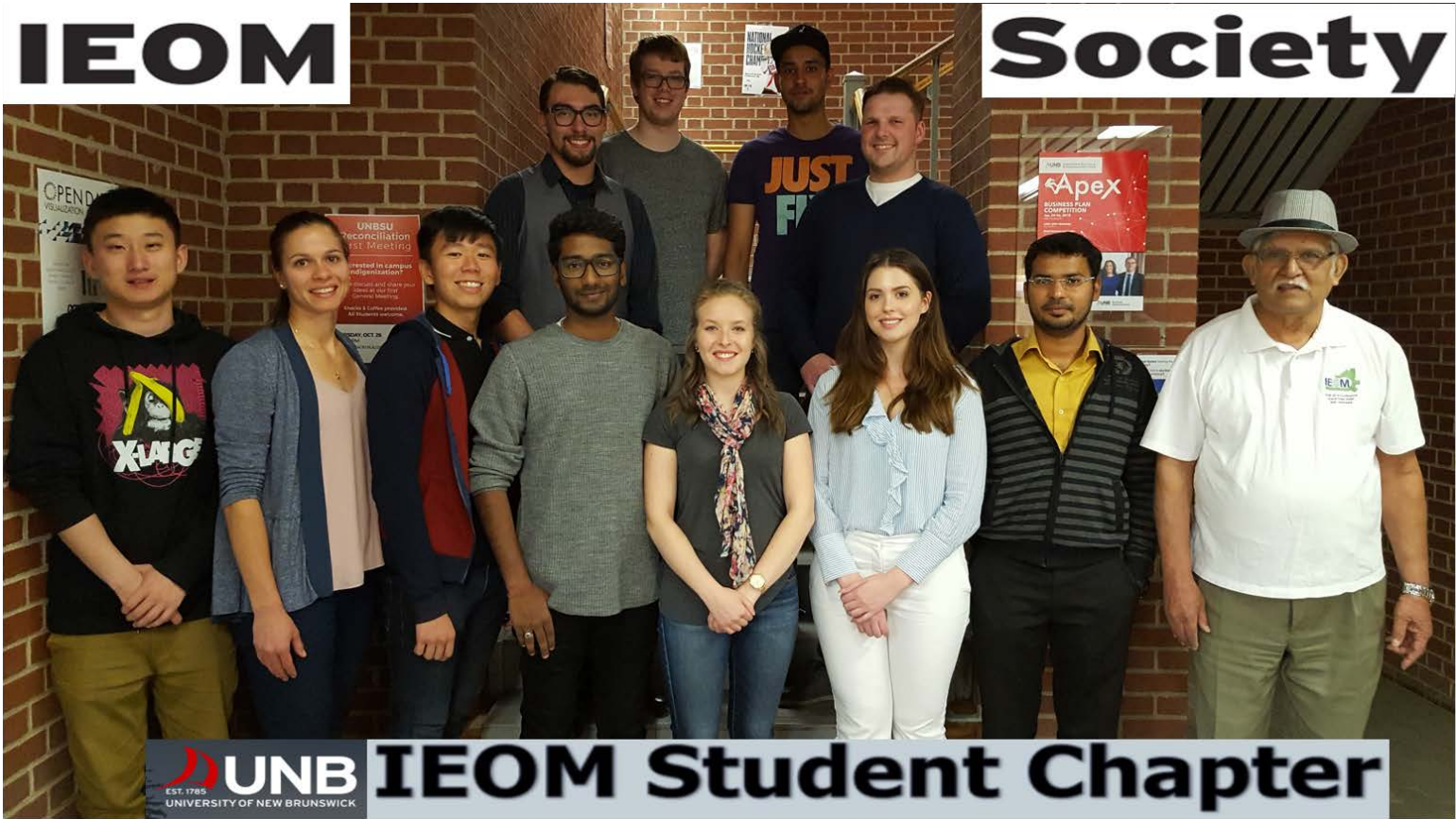




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University of New Brunswick at Fredericton



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IEOM Student Chapter at Ramaiah University of Applied Sciences (RUAS), Bangalore, India



4th African International Conference on
**Industrial Engineering and
Operations Management**
Lusaka, Zambia, April 4-6, 2023
Host: University of Zambia
Venue: Hilton Garden Inn Lusaka



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University of Costa Rica



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Chinhoyi University of Technology, Zimbabwe



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Ecole Mohammadia d'Ingénieurs (EMI) Rabat, Morocco



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FACENS University Sao Paulo, Brazil



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- ✓ Speaking / Presentation Skills
- ✓ **Communications** – written, oral and graphical
- ✓ **Organization** and Team Building and Participation Skills.
- ✓ Attend/present seminar, workshop, symposiums, etc.
- ✓ Poster competition / innovation competition
- ✓ **Leading a team**, organizing an event, team participation
- ✓ **Networking**
- ✓ **Publications:** Conference paper, journal paper



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IEOM Awards



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Prof. Anne Lungowe Sikwibele

Acting Vice Chancellor

University of Zambia

Lusaka, Zambia



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Distinguished Industry Leadership Award

Douglas Mboweni, Ph.D.

Group Chief Executive Officer

Econet Wireless Zimbabwe Limited

Harare, Zimbabwe



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Distinguished Industry Leadership Award

James A. Tompkins, Ph.D.

Chairman and Founder, Tompkins Ventures

Chairman and Co-Founder, Tompkins Leadership

NC, USA



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Distinguished Industry Achievement Award

Dan Cockerell

26-Year Disney Veteran – Former Vice President of
Magic Kingdom

Leadership Coaching Disney Keynote Speaker

Cockerell Consulting Group

Orlando, Florida, United States



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Distinguished Industry Achievement Award

Dr. Mncono-Liwani Buyiswa

Corporate Services & Traction Motors Operation Executive

Gibela Rail Transport Consortium

Johannesburg, Gauteng, South Africa



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Distinguished Industry Achievement Award

Dr. Charles Mungule

Director

Citizen Economic Empowerment Commission

Lusaka, Zambia



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Distinguished Professor Award

Dr. Grace Mukondeleli Kanakana-Katumba
Executive Dean

Faculty of Engineering and the Built environment
Tshwane University of Technology
Montana, Pretoria, South Africa



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Distinguished Professor Award

Dr. Lubinda Haabazoka
Director
Graduate School of Business
University of Zambia
Lusaka, Zambia



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Distinguished Professor Award

Dr. Michael N. Mulenga, PhD
Dean
School of Engineering
University of Zambia
Lusaka, Zambia



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Outstanding Professor Award

Vassilis C. Gerogiannis, Ph.D.
Professor and Head
Department of Digital Systems
University of Thessaly
Larissa, Greece



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Outstanding Professor Award

James J. Cochran, Ph.D.

Associate Dean for Research, Professor of
Statistics, and Rogers-Spivey Fellow
University of Alabama
Tuscaloosa, AL, USA



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Outstanding Professor Award

Dr. Margaret L. Brandeau
Coleman F. Fung Professor of Engineering
Professor of Health Policy (by Courtesy)
Stanford University
Stanford, California 94305, USA



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Global Engineering Education Award

Dr. Suraj Kumar Mukti

Associate Professor

Department of Mechanical Engineering

National Institute of Technology Raipur

Raipur, India



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Global Engineering Education Award

Dr. Amr Eltawil

Dean of the School of Innovative Design Engineering

Professor of Industrial Engineering

Egypt-Japan University of Science and Technology (E-JUST)

New Borg El Arab, Egypt



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Global Engineering Education Award

Dr. Erastus Mwanaumo
Senior Lecturer
University of Zambia (UNZA)
Lusaka, Zambia



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Global Supply Chain and Logistics Award

Professor David Poore

Full Professor, Department of Business Management
Heads the Masters & Doctoral portfolio in the
department
University of Johannesburg
South Africa



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Global Supply Chain and Logistics Award

Prof. Zoubida Chorfi
Equipe de recherche AMIPS
Ecole Mohammadia d'Ingénieurs
Mohammed V University
Rabat, Morocco



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Global Supply Chain and Logistics Award

Dr. Matthew Quayson

Lecturer, Department of Logistics and Supply
Chain Management
Ho Technical University
Ho, Ghana



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Global Supply Chain and Logistics Award

Dr. Nita Sukdeo

Associate Professor

Department of Quality and Operations Management

University of Johannesburg

Gauteng, South Africa



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Global Business Management Award

Samwell Irungu
Managing Director
Pathcare Kenya Limited
Nairobi, Kenya



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Industry Solutions Award

Mr. Steven Dihwa
Coordination Centre Executive Director
Southern African Power Pool (SAPP)
Harare, Zimbabwe



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Industry Solutions Award

Donald Kuk

President & CTO

Enterprise Transformation Excellence

New York, United States



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Industry Solutions Award

Prof Jackson Phiri

Senior Lecturer

Department of Computer Science

School of Natural Sciences

University of Zambia, Lusaka, Zambia



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Industry 4.0 Award

Lerato Nyama

Quality Management & Internal Governance
Director

Siemens Digital Industries

Johannesburg, Gauteng, South Africa



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Industry 4.0 Award

Dr. Norman Gwangwava

Senior Lecturer, Concurrent Engineering, Manufacturing Engineering Design, Manufacturing Information and Database Systems

Botswana International University of Science and Technology (BIUST), Palapye, Botswana



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Industry 4.0 Award

Ts. Dr. Mehran Doulat, Ph.D.

Adjunct Professor & Associate Researcher

Best Practice Improvement Resource (BPIR.com)

The Centre for Organizational Excellence Research (COER)

Massy University, New Zealand



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Lean Six Sigma Award

Prenisha Govender

Process Engineer – Toyota Boshoku South Africa

BTECH: Industrial Engineering (Cum Laude & Deans
Merit 2020)

Masters student: Durban University of technology
Durban, South Africa



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Innovation Award

Dr. Christopher E. Borroni-Bird

Founder of Afreecar LLC

Former Vice President, Strategic Development of
Qualcomm

Detroit, Michigan, USA



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Innovation Award

Mr. Lukonga Lindunda
Co-Founder/Executive Director
Bonghive Group
Lusaka, Zambia



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Data Analytics Award

Dr. Oludolapo Akanni Olanrewaju
Department of Industrial Engineering
Durban University of Technology
Durban, South Africa



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Data Analytics Award

Dr. Elif Kongar

Professor, Economics & Business Analytics

Department

University of New Haven

West Haven, Connecticut, USA



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Sustainability Award

Dr. Noha Mostafa

Associate Professor of Industrial Engineering and
Management

Mechanical Engineering Department, The British
University in Egypt



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Sustainability Award

Dr. Nick Tucker
Associate Professor
School of Engineering
University of Lincoln
Lincoln, UK



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Sustainability Award

Dr. Khulood A. Rambo, PhD, PMP
Global Ambassadors of Sustainability
Program Manager
Jeddah, Saudi Arabia



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Dr Natalie Skeepers Johannesburg, Gauteng, South Africa



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Dr. Eng. Loice K Gudukeya

University of Zimbabwe



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Ms. Sebonkile Thaba

University of Johannesburg, South Africa



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IEOM Distinguished Service and Leadership Award

Dr. Bupe Getrude Mwanza
Associate Director and Senior Lecturer
Graduate School of Business
University of Zambia
Lusaka, Zambia



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Dr. Austin Mwange

Dr. Norman Kachamba

Mr. Gelvazio Sakala

Dr. Marthias Silwamba

Ms. Jessie Nkhowani

Mr. Gelvazio Sakala

Dr. Moagabo Ragoasha

Dr. Marthias Silwamba

Mr. Wiza Ngambi

Dr. Nita Sudeko

Dr. Natalie Skeepers

Dr. Paul Amaechi Ozor

Dr. Loice K Gudukeya

Ms. Sebonkile Thaba

Dr. Christine Lesa

Dr. Tawanda Mushiri

Mr. Lawrence Seseni



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Competition Winners



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First Place Winner

ID 4 Perceived Employee Engagement, Collaborative Capability, and Service Tenure as Correlates of Employee Performance: A Multivariate Analysis

America, Girlie; De Palma, Mary Leinel; Demalata, Fiona Mae; Denila, Robert Ryan; Inocencio, Bheatrixe and Oblino, Sharmae Jayne, Department of Industrial Engineering, College of Engineering and Architecture, Technological Institute of the Philippines – Quezon City, Cubao, Quezon City, Philippines

SIEMENS



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First Place Winner

ID 179 Determining Factors influencing Disaster Consciousness in the Philippines: A Multiple Regression Approach

Bianca Danielle C. Bornilla, Ranice Ysabelle B. Ang, John Karol F. Angeles, Justine Lian P. Fabia, and Yoshiki B. Kurata, Department of Industrial Engineering, University of Santo Tomas, España Blvd., 1015, Manila, Philippines



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2nd Place Winner

ID 74 Validation of Neurcom Machine through Dominant Leg Balance Testing
Drew Topoly, Sean Coleman, Kit Allman, Dr. Denise Bauer and Dr. Girish Upreti, Department of Engineering, Industrial Engineering, Director of Engineering and Assistant Professor of Engineering, Methodist University, Fayetteville, North Carolina 28311, USA
Dr. Matthew Foreman and Dr. John Fox, Department of Occupational Therapy, Assistant Professor of Occupational Therapy and Associate Prof. of Physical Therapy, Methodist University, Fayetteville, NC, USA



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First Place Winner

**ID 86 Analysis of Connection Fee Subsidies on Rural Electrification Projects in
Zambia-Case of Chibombo District**

Florence Kambikambi, Postgraduate Student, School of Postgraduate Studies,
University of Lusaka, Lusaka, Zambia

Michael Kalumbu Nsefu, School of Postgraduate Studies, University of Lusaka,
Plot No. 37413, Off Alick Nkata Road, Mass Media, Lusaka, Zambia



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2nd Place Winner

ID 62 Suitability of Osara River Sand Deposits for Moulding Operation

A. Ayuba, Nigerian Army University Biu, Nigeria

T. Ause, O. Aponbiede and M. U Suleiman, Department of Metallurgical and Materials Engineering, Ahmadu Bello, University, Zaria. Kaduna State, Nigeria

A. Adebisi, Air Force Institute of Technology, Kaduna, Nigeria



Powering Business Worldwide



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3rd Place Winner



ID 71 Effects of Workforce Diversity on Employee Performance in the Textile Industry

Gouri Priya Jyothi L, Student (II MBA), Operations and Business Analytics, Amrita School of Business, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India
Dr. T. Sakthi Nagaraj, Asst Professor, Operations, Amrita School of Business, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India



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Master Thesis Competition

First Place Winner

ID 160 Factors influencing successful risk management for financial planners

Heloise Strauss, School of Business Leadership, University of South Africa
Sugandren Naidoo, Department of Operations Management, College of Economic and Management Sciences, University of South Africa



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Master Thesis Competition

2nd Place Winner

ID 193 Relationship between Procurement Management and Project Performance of Public Infrastructure Projects at the Ministry of Infrastructure Housing and Urban Development in Zambia (MIHUD)

Mark Zulu, Postgraduate School, University of Lusaka, Lusaka, Zambia

Funmilayo Caroline Jayeola, Department of Civil and Environmental Engineering, University of Zambia, Lusaka, Zambia

Ayodeji Emmanuel Oke, Dept. of Quantity Surveying, Federal University of Technology, Akure, Nigeria

Erastus Misheng'u Mwanaumo, Department of Civil and Environmental Engineering, University of Zambia and University of South Africa (UNISA), Lusaka, Zambia and Pretoria, South Africa



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Master Thesis Competition

3rd Place Winner

ID 108 The Effect of Reverse Logistics Practices on Economic Performance: A Case Study of Simba Breweries

Alex Lumba, Postgraduate Student, Graduate School of Business,
University of Zambia, Lusaka, Zambia

Bupe Getrude Mwanza, Associate Director and Senior Lecturer,
Graduate School of Business, University of Zambia, Lusaka, Zambia



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Master Thesis Competition

3rd Place Winner

ID 190 Assessment of the Effect of the National Health Insurance Scheme Universal Health Coverage on Service Quality in Health Facilities in Lusaka

Elizabeth Mofya, Manager- Health Insurance, ZSIC LIFE, Zambia



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Doctoral Dissertation Competition

First Place Winner

ID 107 A SWOT Analysis of Smart Cities Frameworks

Portia Mupfumira, Namibia University of Science and Technology,
Windhoek, Namibia

Professor Michael Mutingi, Ph.D., Namibia University of Science and
Technology, Windhoek, Namibia



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2nd Place Winner

ID 73 Can Social Media Marketing Adoption Lead to Relative Competitiveness and Improved Sales Performance? A Study of SME Suppliers in The Zambian Mining Sector

Beenzu Siachinji, PhD student, Graduate School of Business, The Copperbelt University, Kitwe, Zambia

Stella Zulu-Chisanga, Senior Lecturer, Copperbelt University', School of Business, Kitwe, Zambia

Bruce Mwiya, Senior Lecturer, The Copperbelt University, School of Business, Kitwe, Zambia

Yvonne Kabeya Saini, Senior Lecturer, Witwatersrand University, Business School, Johannesburg, South Africa



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First Place Winner

ID 72 Evaluating the Student and Faculty MyMU Portal Interface at Methodist University

**Sarah Davis, Kalkidan Gebrehiwot, Dr. Denise H.
Bauer and Dr. Girish Upreti, Department of Engineering,
Industrial and Systems Engineering, Methodist University,
Fayetteville, North Carolina 28311, United States**



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2nd Place Winner



ID 105 Hybridization of a Floating Solar PV with Hydro Power Generation for Water Conservation

Michael Sakala, Energy Lead, WWF Zambia Country Office, Long acres,
Lusaka Zambia

Uli Goltenbott, Ph.D., Chief Technology Officer, Shizen Energy Ltd, 1-1-6
Arato, Chuo Ward, Fukuoka, Japan

Christopher Chisense, Director, Zambezi River Authority Head Office
Lusaka P.O. Box 30233, Lusaka Zambia



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High School STEM Competition

First Place Winner

ID 78 Vehicle Driver Interaction using EMG Signal Analysis

Lee Ji Yun and Shin Dong Ho, Student and Professor, MY PAUL SCHOOL, 12-11, Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea

Jeongwon Kim, Student, Department of Economics, College of Economics, Nihon University, 3-2 Kanda-Misakicho, 1-chome, Chiyoda-ku, Tokyo, Japan



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High School STEM Competition

2nd Place Winner

ID 77 A Study on EMG Signal Classification for Improving Control Methods for Electric Prosthetic Hands

Benny Choi and Shin Dong Ho, Student and Professor, MY PAUL SCHOOL, 12-11, Dowontongmi-gil, Cheongcheon-myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea

Jeongwon Kim, Student, Department of Economics, College of Economics, Nihon University, 3-2 Kanda-Misakicho, Chiyoda-ku, Tokyo, Japan



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3rd Place Winner

ID 76 Improving Knowledge Distillation Using Data Augmentation

Jun Seung Woo and Shin Dong Ho, Student and Professor
MY PAUL SCHOOL, 12-11, Dowontongmi-gil, Cheongcheon-
myeon, Goesan-gun, Chungcheongbuk-do, Republic of Korea



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High School STEM Competition

3rd Place Winner

ID 7 The Spy Machine

Joey Qiao, A.Y. Jackson Secondary School, Ontario,
Canada



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First Place Winner

ID 131 Challenges to Implementing Lean Construction in Nigerian Construction Industry

Victoria Akinola, Lecturer I, Department of Building, School of Environmental Technology, Federal University of Technology, Akure, Nigeria

Joseph Akinola, Associate Professor, Head of Department and Associate Professor, Dept. of Quantity Surveying, School of Environmental Technology, Federal University of Technology Akure. Nigeria



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2nd Place Winner

ID 70 Ranking the Critical Failure Factors to Lean Six Sigma Implementation in Dairy Processing Industry: A Bayesian BWM Approach

Ferdous Sarwar, Ph.D., Professor, Industrial and Production Engineering,
Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
Abhro Shome Pias and Omer Tahsin, Industrial and Production Engineering,
Bangladesh University of Engineering and Technology, Dhaka, Bangladesh



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First Place Winner

ID 151 Assessing the Last Mile delivery logistics of the Zambia Medicines and Medical Supplies Agency

Ethel Tembo Mwanaumo, Graduate School of Business, University of Zambia, Great East Road,
Lusaka, Zambia

Dryton Kabwe, Post Graduate School, University of Lusaka, Zambia

Bupe Getrude Mutono Mwanza, Graduate School of Business, University of Zambia, Great East
Road, Lusaka, Zambia

Erastus Misheng'u Mwanaumo, Department of Civil and Environmental Engineering, School of
Engineering, University of Zambia, Great East Road, Lusaka, Zambia



2nd Place Winner

ID 75 A Review of Supply Chain Opportunities and Challenges Experienced in the African Street Food Industry

Daniel Lagamang, Tatenda Talent Chingono and Charles Mbohwa,
Department of Quality and Operations Management, University of
Johannesburg, RSA, South Africa



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Best Track Papers



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ID 56 Evaluating the Current Policies of Transit System- Based Transportation Development in Jakarta: A Systemic Framework

Siti Alfiyah and Dendi P Ishak, Industrial Engineering
Department, Faculty of Engineering, Universitas
Indonesia, Depok, Jawa Barat, Indonesia



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Best Track Paper Lean, Quality and Six Sigma

ID 11 An Assessment of The Use of Quality 4.0 Trends in Higher Education Institutions in South Africa

Eric Mikobi Bakama, Nita Inderlal Sukdeo, Kemlall Ramsaroop Ramdass
and Genevieve Bakam Fotso, Quality and Operations Management,
University of Johannesburg, Johannesburg, South Africa



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ID 13 Industry 4.0 Implementation Challenges in an Unfacilitated Environment: A Case of Manufacturing Industries in Zambia

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