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Bridging the Gap Between
Engineering and Business

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at the address below.

American Society for Engineering Management (ASEM)
200 Sparkman Drive, Suite 2
Huntsville, AL 35805
USA

Phone: (256) 503-8482
Fax: (256) 723-8877

ASEM-HQ@asem.org

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ASEM 2018 IAC
EVENT SCHEDULE AND PRESENTATION ABSTRACTS

Emerging Area: Energy Systems (EA I)

8:15 AM - 9:15 AM

Bay 1B

Session Chair: Patricia Quigley,

Track Chair: Ona Egbue, University of South Carolina Upstate

Routing Algorithm and Cost Analysis for Using Hydrogen Fuel Cell Powered Unmanned Aerial Vehicle in High Voltage Transmission Line Inspection

Yu Li, Missouri University of Science and Technology

Zeyi Sun, MO S&T - EMSE Department

Ruwen Qin, Missouri University of Science and Technology

Let the Customers Choose: Coal, Consumers, and Energy

Arlexis Branson, Western Michigan Univ

Larry Mallak, Western Michigan University

David Lyth, Western Michigan University

Identifying Key Variables on Surface Radiation Budget Using Design of Experiments Methods

Patricia Quigley

Resit Unal, Old Dominion University

Charles Daniels, ODU - EMSE

T Steven Cotter, Old Dominion University

General Engineering Management (GEM I)

8:15 AM - 9:15 AM

Casco Bay

Session Chair: Faisal Mahmud, Old Dominion University

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

Integrated Product Development and Industry 4.0: A Case Study in an Automotive Company.

Cassiano Beller, Pontifical Catholic University of Paraná

Fernando Deschamps, Pontifical Catholic University of Parana

Edson Pinheiro de Lima, PUCPR

Eduardo Rocha Loures, Pontifical Catholic University of Parana

Developing a Multi-Level Model of Organizational Resilience

Heather Keathley, University of Central Florida

Exploiting Ontology- Understanding a Domain of Discourse in Engineering Management

Faisal Mahmud, Old Dominion University

Ziniya Zahedi, Old Dominion University

Leadership & Organizational Management (LOM I)

8:15 AM - 9:15 AM Board Room 5 A/B/C

Session Chair: Sarah Bouazzaoui

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Beyond the Suggestion Box: An Investigative Qualitative Case Study

Katie Kelly, Montana State University

Revisiting the Effect of Leader-member Exchange on Counterproductive Work Behavior: In the Perspective of Cross-Culture

Anmin Wang, Tianjin University

Yan Wang, Tianjin University

Yanxu Wang, Tianjin University

Application of Monte Carlo Simulation in project Completion Time

Sarah Bouazzaoui

Ange-Lionel Toba

Management of Technology, Research and Development (MTRD I)

8:15 AM - 9:15 AM

North Cape Bay

Session Chair: Peter Brown, Texas Tech University

Track Chair: Elizabeth Gibson, University of Colorado, Boulder

Development of a Conceptual Stage Product Design and Manufacturing Risk Mitigation Assessment

Larry Dalton, Mississippi State University

Emily Wall, CAVS-Extension Mississippi State University

The Perversion of Certainty: Choice Architecture, Digital Paternalism and Virtual Validations in the Attention Economy

Peter Brown, Texas Tech University

Mario Beruvides, Texas Tech University

Centralized or Blockchain-based Decentralized IT Systems?

Sujatha Alla, Old Dominion University

Leili Soltanisehat, Old Dominion University

Operations & Supply Chain Management (OSCM I)

8:15 AM - 9:15 AM

Bay 1A

Session Chair: Joel Mwabi, UJ

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College;

Caroline Krejci, The University of Texas at Arlington

Manufacturability and the Product Design: Case Study Exploration of Manufacturability Assessments across a Product Lifecycle

Tonya McCall, Mississippi State University, Center for Advanced Vehicular Systems Extension

Sara Fuller, Center for Advanced Vehicular Systems Extension - Mississippi State University

Economic Growth and Energy Production: A Comparative Study Among Countries

Juan Gabriel Vanegas-Lopez, Tecnológico de Antioquia I.U.

Jaime Ospina, F. U. Autónoma de las Américas

Jhony Mauricio Gutierrez Florez, Tecnológico de Antioquia, Institución Universitaria

Jorge Restrepo, F. U. Autónoma de las Américas

Raúl Ortega, Instituto Tecnológico Metropolitano

Critical Success Factors for Industrial Automation Projects in Southern Africa

Arnesh Telukdarie, University of Johannesburg

Joel Mwabi, UJ

Strategic Planning (SP I)

8:15 AM - 9:15 AM

Kidd Island Bay

Session Chair: Mostafa Fawzy, Northern Illinois University

Track Chair: Edson Pinheiro de Lima, PUCPR

Optimal Site Selection for a City Park using Multi-Criteria Decision Analysis and Optimization Tools

Nikita Vinayak Abhyankar, San Jose State University

Rinita Mishra

Vahab Vahdatzad, Northeastern University

A Systems Framework to Characterize How to Improve Offensive Cyber Operations for Cyber Warfare

Ernest Wong, Army Cyber Institute

James Comstock, Dept of Systems Engineering, US Military Academy

Steven Song, USMA

Balanced Scorecard for Non-For-Profit Organizations in Saudi Arabia: The Balanced Scorecard of Central Correspondence Department at Jeddah Municipality

Mostafa Fawzy, Northern Illinois University

Emerging Area: Critical Infrastructures (EA II)

10:45 AM - 11:45 AM

Bay 1B

Session Chair: Raymond Smith, East Carolina University

Track Chair: Luna Magpili, Washington State University

Modulus of Resilience: An Isomorphic Application for Critical Infrastructures

Eric Easton, Texas Tech University

Mario Beruvides, Texas Tech University

The Industrial Internet of Things Models, Challenges and Opportunities in Sustainable Manufacturing

Md Maksudul Islam, University of Minnesota at Duluth

Tarek AlGeddawy, University of Minnesota Duluth

Examining Critical Infrastructure Systems using a Systems Thinking Approach

Raymond Smith, East Carolina University

Henry Lester, University of South Alabama

General Engineering Management (GEM II)

10:45 AM - 11:45 AM

Casco Bay

Session Chair: Tara Larson

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

Global Education to Industry Professionals: 15 Years of Experiences from an Applied Graduate Program

Bharani Nagarathnam, Texas A&M University

Frederick Barry Lawrence, Texas A&M University

Preparing Engineers to Manage Across Disciplines: Practices and Challenges

James Jones, Ball State University

Undergraduate Leadership Programs in Engineering

Tara Larson

Leadership & Organizational Management (LOM II)

10:45 AM - 11:45 AM

Board Room 5 A/B/C

Session Chair: Oussama Hammad, University of Sharjah

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Equipping Future Leaders to Best Fit into Complex Security Environment: Emerging Leadership Skills

Ali Kucukozyigit, Old Dominion University

A Comparative Study of Dubai Government Excellence Program's EFQM and 4th. Generation Of Excellence

System Based Models

Oussama Hammad, University of Sharjah

Fikri Dweiri, University of Sharjah

Technical Employees Lacking on Interpersonal Skills

Cecil Medina

Frederick Sexe, Raytheon

Operations & Supply Chain Management (OSCM II)

10:45 AM - 11:45 AM

Bay 1A

Session Chair: Amin Gharehyakheh, University of Texas at Arlington

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College; Caroline Krejci, The University of Texas at Arlington

Reducing Downtime of Unplanned Boiler Tube Failures in Coal-Fired Electricity Generation Plants

Mammolele Malomane, UJ

Arnesh Telukdarie, University of Johannesburg

Network Analysis for the Scheduling of a Bus Route: CyRide Case Study

Mostafa Fawzy, Northern Illinois University

Qazi Kabir, SUNY Oneonta

Koo ki Sung, Iowa State University

A Nutrition-Based Optimal Approach in Food Bank Logistics

Amin Gharehyakheh, University of Texas at Arlington

Narjes Sadeghiamirshahidi

Strategic Planning (SP II)

10:45 AM - 11:45 AM

Kidd Island Bay

Session Chair: Rafael Duarte, Pontifical Catholic University of Parana (PUCPR)

Track Chair: Edson Pinheiro de Lima, PUCPR

Evaluating Firm's readiness for Big Data Adoption: A Hierarchical Decision Model

Husam Barham, Portland State University

Elizabeth Gibson, University of Colorado, Boulder

Tugrul Daim, Portland State University

Strategic Business Intelligence Framework: A Method of Analyzing Normative and Descriptive Data Signals

James Schreiner, US Military Academy

Daniel Roman, USMA-West Point

Benjamin Coleman, USMA-West Point

Jon Browning, USMA-West Point

Anders Frieberg

A Framework to Integrate Performance Measurement Systems with Data Analytics

Rafael Duarte, Pontifical Catholic University of Parana (PUCPR)

Rafael Kluska, PUCPR

Fernando Deschamps, Pontifical Catholic University of Parana

Edson Pinheiro de Lima, PUCPR

Eileen Van Aken, Virginia Polytechnic Institute and State University

Systems Engineering (SE I)

10:45 AM - 11:45 AM

North Cape Bay

Session Chair: Owen Gagnon, James Madison University

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

Multiple Levels Requirement Model and its Implementation

Hua Wang, IUPUI

Shuning Li, IUPUI

Collective Individualism: An Inclusive Framework for Communication Systems

Siddhartha Pailla, University of Virginia

Garrick Louis, UVA

Lightweight Structure Material System Design for Additive Manufacturing

Owen Gagnon, James Madison University

Brenton Whanger, James Madison University

Hao Zhang, James Madison University

Emerging Area: Critical Infrastructures (EA III)

1:15 PM - 2:15 PM

Bay 1B

Session Chair: Jonathan Elder, Texas Tech University

Track Chair: Luna Magpili, Washington State University

Water Infrastructure Sustainment via Optimization: A Systems Approach

Keith Horbatuck, Texas Tech University

Richard Burgess, Texas Tech University

Mario Beruvides, Texas Tech University

Understanding Boiler Tube Leaks and Life Cycle Management in the Coal-Fired Power Generation Industry

Ndinannyi Ramadolela, UJ

Arnesh Telukdarie, University of Johannesburg

Jan-Harm Pretorius, University of Johannesburg

Ethical Critical Infrastructure Decision Making in Perpetual Sustainability

Jonathan Elder, Texas Tech University

Richard Burgess, Texas Tech University

Mario Beruvides, Texas Tech University

General Engineering Management (GEM III)

1:15 PM - 2:15 PM

Casco Bay

Session Chair: Fernando Deschamps, PUCPR

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

Emotional Intelligence

Brandon Holten, NV5 / ASHRAE / UNLV

A Model for the Exit Requirement for the Engineering Management Master's Degree at the University of Idaho Larry Stauffer, University of Idaho

Lessons-Learned in the Teaching of Engineering Management in Brazil

Fernando Deschamps, Pontifical Catholic University of Parana

Leadership & Organizational Management (LOM III)

1:15 PM - 2:15 PM

Board Room 5 A/B/C

Session Chair: Aysen Taylor, Old Dominion University

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Understanding the Professional, Non-Academic Experience of Engineering Faculty

Trygve Dahle, Montana State University

William Schell, Montana State University

Bryce Hughes

Paul Kauffmann, East Carolina University

Managing Conflict Towards Improving Team Performance

Aysen Taylor, Old Dominion University

Sujatha Alla, Old Dominion University

Understanding How Soldier Load Effects Soldier Performance

Paul Evangelista, Department of Systems Engineering, USMA

Timothy Young

Matthew Park

Aaron Gilliam

Peter Jaros

Operations & Supply Chain Management (OSCM III)

1:15 PM - 2:15 PM

Bay 1A

Session Chair: Thakane Ramagaga, UJ

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College; Caroline Krejci, The University of Texas at Arlington

A State-of-the-Art Review on Research about the Incorporation of Equipment Operating Conditions in Condition-Based-Maintenance

Edgar Alcántar, 1986

Diana Barraza-Barraza, Universidad Juárez del Estado de Durango

Alvaro Eduardo Cordero-Franco, UANL

A Review of Effective Maintenance Strategies and Management for Optimizing Equipment/System Availability and Reliability

Arnesh Telukdarie, University of Johannesburg

Leonard Ndlovu, UJ

Chuks Medoh, UJ

Critical Success Factors Contributing to a Successful Reliability Centered Maintenance

Arnesh Telukdarie, University of Johannesburg

Thakane Ramagaga, UJ

Strategic Planning (SP III)

1:15 PM - 2:15 PM

Kidd Island Bay

Session Chair: Neda Nazemi, University of Virginia

Track Chair: Edson Pinheiro de Lima, PUCPR

Decision Making and Expert Judgment Elicitation

Hanouf Alhumaidi, Kuwait University

Strategic Initiatives and Revenue Growth Plans- Future ASEM Directions

Paul Kauffmann, East Carolina University

Tricia Simo Kush

Patrick Kush, University of Minnesota (Crookston), Metropolitan State University

Neal Lewis, Fairfield University

David Wyrick, West Virginia University

Exploratory Water Governance Scenarios for Agricultural Water Demand Management in Arid and Semi-Arid Regions

Neda Nazemi, University of Virginia

Rider Foley, University of Virginia

Garrick Louis, UVA

Systems Engineering (SE II)

1:15 PM - 2:15 PM

North Cape Bay

Session Chair: Scott Layne, James Madison University

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

Life Cycle Assessment of Large Chiller Equipment Manufacturing

Hao Zhang, James Madison University

Hannah Delawter

Emillo Shiquion, James Madison University

Munition Demilitarization: Maintenance Program Improvement

Kenneth McDonald, Dept. Systems Engineering, USMA

Carissa Jenkins, DSE, USMA

Tanner Andrews, DSE, USMA

Lindsay Kiernan, DSE, USMA

A Sustainability Assessment Decision Making System Architecture for Cybermanufacturing Systems

Scott Layne, James Madison University

Emerging Area: Healthcare Systems (EA IV)

2:30 PM - 3:30 PM

Bay 1B

Session Chair: Heather Keathley, University of Central Florida

Track Chair: Bimal Nepal, Texas A&M University; Ed Pohl, University of Arkansas

Health 4.0 as a Catalyst to a Dysfunctional Service Delivery: The Case Study of Johannesburg Public Hospitals.

Arnesh Telukdarie, University of Johannesburg

Oliver Nwauka, UJ

Johan Enslin, UJ

A Case Study for Sustaining a Standardized Healthcare Procedure

Susan Ferreira, Mozhddeh Sadighi, The University of Texas at Arlington

Melanie Sulistio, Deborah Farr, Daniel Bennett, Eleanor Phelps, Benjamin Weia, Eric Kuo, Gary Reed, The

Research Agenda in Developing Core Reference Ontology for Human-Intelligence/Machine-Intelligence Electronic Medical Records System

Ziniya Zahedi, Old Dominion University

T Steven Cotter, Old Dominion University

General Engineering Management (GEM IV)

2:30 PM - 3:30 PM

Casco Bay

Session Chair: Akin Olufowoshe, Chevron

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

Maybe Things Really are Different This Time

Donald Kennedy, Freerange Buddy Publications, Dan Rogers, NAV Canada, Michael Huston, Mount Royal University

Girls to Engineers Network (GEN)

Neslihan Alp, University of Tennessee at Chattanooga, Hana Karrar, University of Tennessee at Chattanooga

Louie Elliott, University of Tennessee at Chattanooga, Raga Ahmed, University of Tennessee at Chattanooga

Trevor Elliott, University of Tennessee at Chattanooga, Li Yang, University of Tennessee at Chattanooga

Mbaki Onyango, University of Tennessee at Chattanooga

An Experimental Adaptive Teaching Practice

Vahid H Khiabani, Middle Tennessee State University, Ahad Nasab, University of Tennessee, Chattanooga

Vishwas Bedekar, Middle Tennessee State University

Leadership & Organizational Management (LOM IV)

2:30 PM - 3:30 PM

Board Room 5 A/B/C

Session Chair: Malaia Jacobsen, Oregon State University

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Multiple Team Membership, Turnover, and On-Time Delivery: Evidence from Construction Services

Hise Gibson, United States Military Academy

Influence of Reward Systems on Motivation

Aysen Taylor, Old Dominion University

Sujatha Alla, Old Dominion University

Exploring Team Temperament and Team Dynamics as Key Elements in Continuous Process Improvement Efforts

Malaia Jacobsen, Oregon State University

Javier Calvo-Amodio, Oregon State University

Sage Kittelman, Oregon State University

Operations & Supply Chain Management (OSCM IV)

2:30 PM - 3:30 PM

Bay 1A

Session Chair: Mostafa Fawzy, Northern Illinois University

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College;
Caroline Krejci, The University of Texas at Arlington

Managing Disruption Risk During Equipment Upgrade in Automated Distribution Facility using Drum-Buffer-Rope (DBR) Method

Ferdinand Prantl, Old Dominion University

Ariel Pinto, Old Dominion University / Emergent Risk Initiative

T Steven Cotter, Old Dominion University

Luna Magpili, Washington State University

Inland Waterway Disruption Response under Uncertain Conditions

Jingjing Tong, Southeast Missouri State University

Heather Nachtmann, University of Arkansas

Total Quality Management & Apple success

Mostafa Fawzy, Northern Illinois University

Eric Olson

Strategic Planning (SP IV)

2:30 PM - 3:30 PM

Kidd Island Bay

Session Chair: Sadegh Eghdami, University of Virginia

Track Chair: Edson Pinheiro de Lima, PUCPR

A Systems Framework to Integrate a Civilian Reserve Cyber Force for the US Army

Ernest Wong, Army Cyber Institute

Andrzej Tomczyk, United States Military Academy

Melissa Ziegler, United States Military Academy

Brandon Cromwell, United States Military Academy

James Comstock, Dept of Systems Engineering, US Military Academy

Steven Song, USMA

A Systems Approach to the U.S. Army's Human Dimension Strategy

Steven Song, USMA

Modeling a Water Market and Food Free-Trade as Instruments for Governance of Agricultural Water Demand in Arid and Semi-Arid Regions

Neda Nazemi, University of Virginia

Sadegh Eghdami, University of Virginia

Rider Foley, University of Virginia

Garrick Louis, UVA

Systems Engineering (SE III)

2:30 PM - 3:30 PM

North Cape Bay

Session Chair: Eric Specking, University of Arkansas

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

Identifying the Elements of Real System Age

James Enos, United States Military Academy

Roshanak Nilchiani, School of Systems and Enterprises

Taxonomic Structure(s) and its Validation for a Formal Foundational Ontology: Understanding Human Intelligence-Machine Intelligence Decision Governance

Faisal Mahmud, Old Dominion University

T Steven Cotter, Old Dominion University

A Foundation for System Set-Based Design Trade-off Analytics

Eric Specking, University of Arkansas

Gregory Parnell, University of Arkansas

Ed Pohl, University Of Arkansas

Randy Buchanan, Army Engineering Research and Development Center

Schedule of Events – Friday, October 19

Note: Technical Sessions begin at 8:15, please see Schedule at a Glance and the pages following for details

Friday Registration

7:00 AM - 4:30 PM

West Lobby

Breakfast

7:00 AM - 8:00 AM

Bay 2/3

Meeting: Fellows Breakfast

7:00 AM - 8:00 AM

Casco Bay

Student Competition: Student Analysis

7:00 AM - 12:30 PM

Student Competition Competitors

Shore

Beauty Bay (alt)

Panel: ASEM's International Activities

8:15 AM - 9:15 AM

Kidd Island Bay

Panel Moderator: Yesim Sireli, UNC Charlotte

Panelist: Fernando Deschamps, PUCPR; Geert Letens, Royal Military Academy; Arnesh Telukdarie, University of Johannesburg

Panel discussion on ASEM's International Activities

Friday Keynote

9:30 AM - 10:30 AM

Bay 2/3

Panel: Women in Engineering Management

10:45 AM - 11:45 AM

Kidd Island Bay

Panel Moderator: Heather Nachtmann, University of Arkansas

This panel of women leaders in engineering management will share their professional stories and career pathways into the discipline. Panelists will discuss the role mentoring has played in their careers, their approaches to balancing work and their personal lives, the skills they use most often in their careers as an engineering managers, and career advice for engineering management professionals and students. This event will be moderated and will include an opportunity for Q&A at the end.

Friday Lunch

12:00 PM - 1:00 PM

Bay 2/3

Keynote Speaker Michael Schleich

Panel: Assessing Graduate Programs in EM

1:15 PM - 3:30 PM

Kidd Island Bay

Panel Moderators: John Farr, United States Military Academy at West Point

Panelist: Tim Kotnour, University of Central Florida, Alice Squires, WSU Engineering and Technology Management, Mario Beruvides, Texas Tech University

For many universities, off campus master's programs in Engineering Management (EM) produce significant revenue and are often the sole reason an EM program exists. Whether cohort based, short course, online, traditional model delivered on a customer site, or a combination of the aforementioned, delivery modes must be flexible and meet the customers' demands. Unlike traditional on campus programs, the stakeholders are more demanding by placing a premium on quality, relevance, flexibility, and service. These programs differ in that target marketing, customer satisfaction and demands, payment options, and technology requirements are often different than the traditional graduate programs. Also, the assessment framework is more driven by customer satisfaction than learning outcomes and objectives. This roundtable will first bring leaders from several successful programs to present the challenges of starting, building, and maintaining an off-campus program to include content, marketing, accreditation, faculty/administration perception, and processes. Issues such as assessment, sustainability, technology, and faculty will be addressed. Lastly, we will discuss the future as we move to more online programs, targeted training, and nontraditional PhD programs

Emerging Area: Construction Management (EA V)

8:15 AM - 9:15 AM

Bay 1B

Session Chair: Essam Zaneldin, United Arab Emirates University

Track Chair: Cynthia Wilson Orndoff,

Creating an Integrated Curriculum to Teach Project Management in Construction

Daphene Koch, Purdue University

Nicolas Dib, Purdue University

Awareness of Trenchless Technologies in the UAE

Essam Zaneldin, United Arab Emirates University

Sangarappillai Sivaloganathan, United Arab Emirates University

General Engineering Management (GEM V)

8:15 AM - 9:15 AM

Casco Bay

Session Chair: Elizabeth Schott, Florida SouthWestern State College

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

The Global Standard for Engineering Management Skills- Advancing ASEM Engineering Management Professional Certifications

Paul Kauffmann, East Carolina University

James Schreiner, US Military Academy

Teresa Jurgens-Kowal, Global NP Solutions

Tricia Simo Kush

William Sabados, UAH

Javed Cheema, Neapco Drivelines

Implementing a Fully Online Engineering Management BSE Degree Program

Daniel McCarville, Arizona State University

Esma Gel, Arizona State University

Linda Chattin, Arizona State University

Dan Shunk, Arizona State University

Susan Borgers, Arizona State University

Engineering an Alliance Between WMU and FSW

Cynthia Wilson Orndoff

Larry Mallak, Western Michigan University

Elizabeth Schott, Florida SouthWestern State College

David Lyth, Western Michigan University

Leadership & Organizational Management (LOM V)

8:15 AM - 9:15 AM

Board Room 5 A/B/C

Session Chair: Rita Stafford, Pace University - Lubin School of Business

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Exploring Why Women Enter, Leave, Return to, or Stay in Engineering and Engineering Leadership Roles

Alice Squires, WSU Engineering and Technology Management

Federica Robinson-Bryant, Embry-Riddle Aeronautical University- Worldwide

Understanding Engineering Identity in Undergraduate Students

Bryce Hughes

William Schell, Montana State University

Brett Tallman, Montana State University

Surviving and Thriving: Measuring Organizational Resilience as Strategic Capability

Rita Stafford, Pace University - Lubin School of Business

Operations & Supply Chain Management (OSCM V)

8:15 AM - 9:15 AM

Bay 1A

Session Chair: Wolday Abrha, University of Tennessee at Chattanooga

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College; Caroline Krejci, The University of Texas at Arlington

Roadmap for an Integrated Lean Six Sigma Model

Vanessa Burneo, Universidad Nacional de Loja

Carmen Temblador-Perez, Tecnológico de Monterrey

Application of Lean to Reduce Inter-Plant Logistics: the Marine Industry Perspective

Wolday Abrha, University of Tennessee at Chattanooga

Rupy Sawhney

Enrique Macias de Anda

Reducing Steering Gear Handling Damages – the Six Sigma Way

Wolday Abrha, University of Tennessee at Chattanooga

Neslihan Alp, University of Tennessee at Chattanooga

Tewodros Teklu

Systems Engineering (SE IV)

8:15 AM - 9:15 AM

North Cape Bay

Session Chair: Armando Elizondo-Noriega, Texas Tech University

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

An Attribute Agreement Analysis Method for HFACS Inter-rater Reliability Assessment

T Steven Cotter, Old Dominion University

Veysel Yesilbas, Old Dominion University

Ockham's (Occam) Razor and Pareto Principle (80/20 rule): The practice of seeking simplicity in risk decisions under uncertainty

Thomas Monroe, National Defense Univeristy

Mario Beruvides, Texas Tech University

The State of the Art in System Dynamics Modeling of Cost of Quality

Armando Elizondo-Noriega, Texas Tech University

David GÜEMES-CASTORENA , Tecnológico de Monterrey

Victor Gustavo Tercero Gomez, UANL

Mario Beruvides, Texas Tech University

Emerging Area: Critical Infrastructures (EA VI)

10:45 AM - 11:45 AM

Bay 1B

Session Chair: Rita Stafford, Pace University - Lubin School of Business

Track Chair: Luna Magpili, Washington State University

Smart Home Requirements: Implementations and Availability

Bongiwe Mkhize, UJ

Arnesh Telukdarie, University of Johannesburg

Data Warehousing and Business Intelligence with Big Data

Nayem Rahman, Portland State University

Designing Systems for Cyber Resilience

Rita Stafford, Pace University - Lubin School of Business

Christina Bouwens, University of Central Florida

General Engineering Management (GEM VI)

10:45 AM - 11:45 AM

Casco Bay

Session Chair: Jena Asgarpoor, University of Nebraska, Lincoln

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

Online Engineering Management Education Feedback

David Paulus, Washington State University

Assessing Graduate Programs in Engineering Management

John Farr, US Military Academy at West Point

Tim Kotnour, University of Central Florida

Catherine Vergopia, University of Central Florida

A Graduate Online Course in Engineering Leadership

Jena Asgarpoor, University of Nebraska, Lincoln

Leadership & Organizational Management (LOM VI)

10:45 AM - 11:45 AM

Board Room 5 A/B/C

Session Chair: Lizzette Perez Lespier, University of North Carolina Wilmington

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Motivation to Lead and Asian American Engineering Managers

Thomas Ulrich, Tandem Diabetes Care

Applying Mindsets in Leading Innovation Teams

Teresa Jurgens-Kowal, Global NP Solutions

A Circular Business Model (CBM) Approach for Sustainability in the Fashion Supply Chain

Lizzette Perez Lespier, University of North Carolina Wilmington

Saba Pourreza, University of North Carolina Wilmington

Operations & Supply Chain Management (OSCM VI)

10:45 AM - 11:45 AM

Bay 1A

Session Chair: Emily Wall, CAVS-Extension Mississippi State University

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College;

Caroline Krejci, The University of Texas at Arlington

Design of a Visual Board for a Manufacturing Cell

Linda Erickson, Univ of Tennessee Chattanooga

Aldo McLean, University of Tennessee at Chattanooga

Wolday Abrha, University of Tennessee at Chattanooga

Design of the Manufacturability Assessment Knowledge-Based Evaluation Tool

Emily Wall, CAVS-Extension Mississippi State University

Sara Fuller, Center for Advanced Vehicular Systems Extension - Mississippi State University

T.C. Falls, Mississippi State University, Institute for Systems Engineering Research

Systems Engineering (SE V)

10:45 AM - 11:45 AM

North Cape Bay

Session Chair: Veronica Schrimpscher, UAH

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer,

University of Alabama in Huntsville

Managing Team Progression with the Syntactic, Semantic, and Pragmatic Elements of the Communication System

Sage Kittelman, Oregon State University

Javier Calvo-Amodio, Oregon State University

Using System Dynamics to Understand Engineering Transfer Student Persistence

Natasha Smith, Virginia Tech

Information Loss in Organizational Communication Networks

Veronica Schrimpscher, UAH

Dale Thomas, The University of Alabama in Huntsville

Emerging Area: Energy Systems (EA VII)

1:15 PM - 2:15 PM

Bay 1B

Session Chair: Ona Egbue, University of South Carolina Upstate

Track Chair: Ona Egbue, University of South Carolina Upstate

An Analysis of Microgrid Design and Implementation

Micki Grover, Emerson Rosemount

Ona Egbue, University of South Carolina Upstate

An Overview of the Systems of Peer-to-Peer Blockchain Technology in the Energy Industry

Suzane Abou Chacra, UNC Charlotte

Yesim Sireli, UNC Charlotte

Umit Cali, UNC Charlotte

Determining Microgrid Energy Systems Dynamic Model Inputs using a SAM Analysis

Jacob Hale, Missouri University of Science and Technology

Suzanna Long, Missouri University of Science and Technology

General Engineering Management (GEM VII)

1:15 PM - 2:15 PM

Casco Bay

Session Chair: Willard Price, University of the Pacific

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

The Power of Quantitative Analysis for Engineering Managers

Richard Grandrino, Drexel University

Developing Student Learning Outcome Metrics For Makerspaces: A STEM Pilot Course

Jaime Cantu, University of Texas at Arlington

Martin Wallace, University of Texas Arlington

Matrix Structures in the Academy

Willard Price, University of the Pacific

Leadership & Organizational Management (LOM VII)

1:15 PM - 2:15 PM

Board Room 5 A/B/C

Session Chair: Bharani Nagarathnam, Texas A&M University

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

Involving Frontline Workers In Innovation: A Case Study Compilation

Katie Kelly, Montana State University

Inclusion by Design: An Engineering Management Case for Inclusive, Equitable, and Just Product Realization Processes

Woodrow Winchester, Robert Morris University

A Review of Competency & Personality Assessments in U.S. Distributors

Bharani Nagarathnam, Texas A&M University

Jia Wang, Texas A&M University

Frederick Barry Lawrence, Texas A&M University

Operations & Supply Chain Management (OSCM VII)

1:15 PM - 2:15 PM

Bay 1A

Session Chair: Chamila Dissanayake, Texas Tech University

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College; Caroline Krejci, The University of Texas at Arlington

Comparison of Direct Supply Chain Performance Ratings To SEM: A Case Study

Chamila Dissanayake, Texas Tech University

Jennifer Cross, Texas Tech University

Decision Making Approach for Multi-Criteria Hazmat Routing on Rail

Dincer Konur, Missouri University of Science and Technology

Samuel Vanfossan, Missouri University of Science and Technology

Systems Engineering (SE VI)

1:15 PM - 2:15 PM

North Cape Bay

Session Chair: Saurav Kumar Dubey, South Dakota School of Mines and Technology

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

Study of Cost Overrun and Delays of DOD and NASA Acquisition Programs

Nazareen Sikkandar Basha, Iowa State University

Jekonia Kwasa, Missouri S&T

Christina Bloebaum, Iowa State University

Bridging the Gap Between Engineering and Business Education

John Dillard, Naval Postgraduate School

Roadway Cost Attribution from the Perspective of Systems Theory

Saurav Kumar Dubey, South Dakota School of Mines and Technology

Emerging Area: Critical Infrastructures (EA VIII)

2:30 PM - 3:30 PM

Bay 1B

Session Chair: Valerie Michel, UVa

Track Chair: Luna Magpili, Washington State University

Enhancing Strategies To Improve The Purification Processes And Systems Of East Rand Water Care

Arnesh Telukdarie, University of Johannesburg

Crosby Bhembe, UJ

Chuks Medoh, UJ

Examining Infrastructure Dynamics in Built Environment Disaster Resiliency

Raymond Smith, East Carolina University

Henry Lester, University of South Alabama

Identifying Vulnerable Stakeholders from Dependent Relationships in California's Water System

Valerie Michel, UVa

Neda Nazemi, University of Virginia

Timothy Eddy, University of Virginia

Leadership & Organizational Management (LOM VIII)

2:30 PM - 3:30 PM

Board Room 5 A/B/C

Session Chair: Atul Kalia, CERTUS Management Consultants LLC

Track Chair: Larry Mallak, Western Michigan University; Elizabeth Schott, Florida SouthWestern State College

A Theory of Engineers' Motivation to Influence

Thomas Ulrich, Tandem Diabetes Care

Impact of Engineering Management Academy on Engineering Leaders' Career Success

Atul Kalia, CERTUS Management Consultants LLC

Management of Technology, Research and Development (MTRD II)

2:30 PM - 3:30 PM

Casco Bay

Session Chair: David Lyth, Western Michigan University

Track Chair: Elizabeth Gibson, University of Colorado, Boulder

Assessing Scoring Differences between Award Winners and Non Award Winners for the Malcom Balrige National Quality Award

Anyama Tettey, UAH

Sampson Gholston, The University of Alabama in Huntsville

Bryan Mesmer, University of Alabama in Huntsville

A Tale of Two Ethnographic Cases

Larry Mallak, Western Michigan University

PMO Implementation for Project Management in a Collaborative Research Context

Simon Philbin, London South Bank University

Operations & Supply Chain Management (OSCM VIII)

2:30 PM - 3:30 PM

Bay 1A

Session Chair: Ben Baliga, St. Cloud State University

Track Chair: Paul Evangelista, Department of Systems Engineering, USMA; Ivan Guardiola, Fort Lewis College;

Caroline Krejci, The University of Texas at Arlington

Application of Lean Six Sigma to Reducing Repeated Handling of Material at the Tobyhanna Army Depot

John Richards, USMA Department of Civil Engineering

Allan Baily, United States Military Academy

Bradley Gibson, United States Military Academy

John-Mark Macfarlane, United States Military Academy

Cory Hazelbaker, United States Military Academy

Brian Rawhouser, Tobyhanna Army Depot

Iris Lyle, Tobyhanna Army Depot

Setup Time Reduction Using Lean Six Sigma Approach

Ben Baliga, St. Cloud State University

Eric Lim, St. Cloud State University

Hiral Shah, St. Cloud State University

Systems Engineering (SE VII)

2:30 PM - 3:30 PM

North Cape Bay

Session Chair: Jekonia Kwasa, Missouri S&T

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer,

University of Alabama in Huntsville

Modeling and Understanding Energy Sharing Communities: A System of Systems Approach

Julia Morgan, Missouri University of Science and Technology

Ruwen Qin, Missouri University of Science and Technology

A Proposed Integrated Framework for Transdisciplinary Team Research: A Systemic Approach

Siqi Wang, Oregon State University

Javier Calvo-Amodio, Oregon State University

Culture in Value Based Systems Engineering

Jekonia Kwasa, Missouri S&T

Christina Bloebaum, Iowa State University

Emerging Area: Healthcare Systems (EA IX)

8:15 AM - 9:15 AM

Bay 1B

Session Chair: Ziniya Zahedi, Old Dominion University

Track Chair: Bimal Nepal, Texas A&M University; Ed Pohl, University Of Arkansas

Improving Early Detection and Treatment of Sepsis

Julie Drzymalski, Drexel University

Leveraging Six Sigma Approach to Reduce Patient Waiting Time of a Healthcare System.

Niamat Ullah Ibne Hossain, Mississippi State University

Raed Jaradat, Mississippi State University

Success Factors for Implementing Quality Management Systems in Healthcare Organizations

Heather Keathley, University of Central Florida

Financial Resource Planning (FRP I)

8:15 AM - 9:15 AM

Bay 1A

Session Chair: David Enck, Texas Tech University Industrial and Systems Engineering Management

Track Chair: Ean Ng, Oregon State University

An Empirical Study on the Evaluation of Urban Infrastructure Investment Efficiency in China Based on DEA-Malmquist Model

Junna Meng, Tianjin University, China

Le Quan, Yongjie Pei

Ning He, Tianjin University

Yanbin Xu

Using Algorithmic Formula Questions to Practice Engineering Economic Analysis in a Course Learning Management System

Gillian Nicholls, Southeast Missouri State University

William Schell, Montana State University

Business Cycles: A Statistical Process Control Perspective

David Enck, Texas Tech University Industrial and Systems Engineering Management

Mario Beruvides, Texas Tech University

Victor Gustavo Tercero-Gomez

Alvaro Eduardo Cordero-Franco, UANL

General Engineering Management (GEM VIII)

8:15 AM - 9:15 AM

Kidd Island Bay

Session Chair: Hiral Shah, St. Cloud State University

Track Chair: S. Jimmy Gandhi, California State University, Northridge; Ganapathy Natarajan, Oregon State University

Prepare to be Certified: An Overview of the CAEM/CPem Exam Prep Guide

Alice Squires, WSU Engineering and Technology Management

Paul Kauffmann, East Carolina University

Brandon Holten, NV5 / ASHRAE / UNLV

Advancing Engineering Management in the Undergraduate Classroom- EMBOk Teaching Materials

Paul Kauffmann, East Carolina University

Patrick Kush, University of Minnesota (Crookston), Metropolitan State University

Charles Daniels, ODU - EMSE

Jess Matias

Mapping of EMBOk Domains with EM Handbook

Hiral Shah, St. Cloud State University

Walter Nowocin, Medtronic Inc.

S. Jimmy Gandhi, California State University, Northridge

John Farr, US Military Academy at West Point

Management of Technology, Research and Development (MTRD III)

8:15 AM - 9:15 AM

Casco Bay

Session Chair: Maoloud Dabab, Portland State University

Track Chair: Elizabeth Gibson, University of Colorado, Boulder

The Influence of Innovation on Micro, Small and Medium Sized Enterprises in Colombia

Juan Gabriel Vanegas-Lopez, Tecnológico de Antioquia I.U.

Jorge Anibal Restrepo-Morales, Tecnológico de Antioquia Institución Universitaria

Systems Design of Lower Limb Exoskeleton to Increase a Soldier's Speed and Range of Motion

Zachary Deutel, James Madison University

Hao Zhang, James Madison University

Benchmarking Cellular Technical Efficiency Using Data Envelopment Analysis

Maoloud Dabab, Portland State University

Timothy Anderson, Portland State University

Program & Project Management (PPM I)

8:15 AM - 9:15 AM

Board Room 5 A/B/C

Session Chair: Brent Robertson, Project Quality Consulting Corporation

Track Chair: Donald Kennedy, Freerange Buddy Publications

Integrating Sustainable Project Typology and Isomorphic Influences: An Integrated Literature Review

Rakan Alyamani, Missouri University of Science and Technology

Suzanna Long, Missouri University of Science and Technology

A Case For Implementing The Process Approach In The Design Of Industrial Megaprojects

Brent Robertson, Project Quality Consulting Corporation

Mario Beruvides, Texas Tech University

Stakeholder Management in Engineering Projects: Lessons Learned

Valerie Denney, Embry-Riddle Aeronautical University

Systems Engineering (SE VIII)

8:15 AM - 9:15 AM

North Cape Bay

Session Chair: Seth Taylor, Oregon State University

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

Systems Statistical Engineering - Systems Hierarchical Constraint Propagation

T Steven Cotter, Old Dominion University

Patricia Quigley

A Recap of Cyber Physical Production Systems: Benefits, Barriers, and Sustainability

Scott Layne, James Madison University

A Proposed Methodology for Developing Systems Thinking Lessons For and By Non-Experts

Seth Taylor, Oregon State University

Javier Calvo-Amodio, Oregon State University

Jay Well

Emerging Area: Critical Infrastructures (EA X)

9:30 AM - 10:30 AM

Bay 1B

Session Chair: Yue Gu, Purdue University

Track Chair: Luna Magpili, Washington State University

Data Analysis for Identifying High Chance Scenarios of Hazardous Material Highway Transportation Incidents

Pranav Godse, Missouri University of Science and Technology

Jian Xue, Harbin Institute of Technology

Suzanna Long, Missouri University of Science and Technology

Ruwen Qin, Missouri University of Science and Technology

A Cost Measurement Approach for Traffic Lanes and Roadway Thickness in Highway Infrastructure Asset Management

Saurav Kumar Dubey, South Dakota School of Mines and Technology

Operational Goals and Metrics in Virginia Airport Sustainability Management Plans

Yue Gu, Purdue University

Mary Johnson, Purdue University

Financial Resource Planning (FRP II)

9:30 AM - 10:30 AM

Bay 1A

Session Chair: Megashnee Munsamy, MUT

Track Chair: Ean Ng, Oregon State University

An Analytical Exploration of the Theorized Relationship between Total Productivity Management and Cash Conversion Cycle

Naveen Tiruvengadam, Texas Tech University

Mario Beruvides, Texas Tech University

Study on Guangzhou city safety monitoring system of construction cranes and its economic effect

Huang Yuesheng

Cost Optimization Decision-Support Based On Fuzzy Logic Applications

Chuks Medoh, UJ

Arnesh Telukdarie, University of Johannesburg

Management of Technology, Research and Development (MTRD IV)

9:30 AM - 10:30 AM

Casco Bay

Session Chair: Sangarappillai Sivaloganathan, United Arab Emirates University

Track Chair: Elizabeth Gibson, University of Colorado, Boulder

Findings from the 2017 NSF Workshop on Advanced Manufacturing Research for Aerospace

Paul Compton, University of Texas Arlington

Billy Gray, Tarleton State University

John Priest, University of Texas at Arlington

Robert Taylor, University of Texas at Arlington

Eileen Clements, University of Texas at Arlington Research institute

A Systematic Review of University Tech Commercialization Research

Clovia Hamilton, Winthrop University

Integrating Ethnographic Practice with the “Voice of the Customer” Process for Product Design Insights

David Lyth, Western Michigan University

Larry Mallak, Western Michigan University

Jason Minor, Western Michigan University

Program & Project Management (PPM II)

9:30 AM - 10:30 AM

Board Room 5 A/B/C

Session Chair: Arinao Nenzhelele, University of Johannesburg

Track Chair: Donald Kennedy, Freerange Buddy Publications

Multi-projects Synergy Analysis of the Process of New Urbanization in China

Lianying Zhang, College of Management and Economics, Tianjin University

Nan Zhou

Anmin Wang, Tianjin university

Community Design Studio

Neslihan Alp, University of Tennessee at Chattanooga, Raghda Mohamed, University of Tennessee at Chattanooga

Hana Karrar, University of Tennessee at Chattanooga, Sarah Hathcock, University of Tennessee at Chattanooga

Dana Moody, University of Tennessee at Chattanooga, Alexandra Hunt, University of Tennessee at Chattanooga

Factors that Affect Project Benefits Realization In The Freight Rail Industries

Patience Nenzhelele, UJ

Arnesh Telukdarie, University of Johannesburg

Strategic Planning (SP IV)

9:30 AM - 10:30 AM

Kidd Island Bay

Session Chair: Jing Cao, Central South University;

Track Chair: Edson Pinheiro de Lima, PUCPR

Advancing Cybersecurity from Medieval Castles to Strategic Deterrence: A Systems Approach to Cybersecurity

Ernest Wong, Army Cyber Institute

James Doukas, United States Military Academy

John Schannep, United States Military Academy

Steven Song, USMA

James Comstock, Dept of Systems Engineering, US Military Academy

The Relationship Between a Technology's Diffusion Rate (Time) and its Economical Impact (Money)

Albert Parvin, Texas Tech University and Southwest Research Institute

Mario Beruvides, Texas Tech University

The Impact Analysis on Group Consensus for Emergency Decision-making of Large-scale Projects: An Extreme Risk Preference Perspective

Jing Cao, Central South University

XU Xuanhua, Central South University

Fei Dai, West Virginia University

Bingsheng Liu

Systems Engineering (SE IX)

9:30 AM - 10:30 AM

North Cape Bay

Session Chair: Misagh Faezipour, Middle Tennessee State University

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer, University of Alabama in Huntsville

A Proposed Taxonomy for the Systems Statistical Engineering Body of Knowledge

T Steven Cotter, Old Dominion University

A System Dynamics Modeling for Assistive Technology Methods

Misagh Faezipour, Middle Tennessee State University

Financial Resource Planning (FRP III)

10:45 AM - 11:45 AM

Bay 1A

Session Chair: Gillian Nicholls, Southeast Missouri State University

Track Chair: Ean Ng, Oregon State University

Covering Depreciation and Taxes in Engineering Economy Classes

Ted Eschenbach, TGE Consulting

Neal Lewis, Fairfield University

Jerome Lavelle, North Carolina State University

Student Loans – A Case Study for Informed Educational Investment

Gillian Nicholls, Southeast Missouri State University

Neal Lewis, Fairfield University

Management of Technology, Research and Development (MTRD V)

10:45 AM - 11:45 AM

Casco Bay

Session Chair: Leli Soltanisehat, Old Dominion University

Track Chair: Elizabeth Gibson, University of Colorado, Boulder

Revisiting Demolition Waste Management

Sangarappillai Sivaloganathan, United Arab Emirates University

Essam Zaneldin, United Arab Emirates University

Firm trends in markets and their consequences; mapping evolution of firm behavior using the deep and surface structures of the market

Thomas Kopyay, Universite du Quebec en Gatineau

Hamed Motaghi, University of Quebec

Hilda Hurta, National University of Public Service

Mario Malouin, University of Quebec in Outaouais

A "Sterilizing Food Menus and Frequent Used Documents" System

Mona Alfarra, Washington state university

Marketing and Sales Management in Engineering Organizations (MSM I)

10:45 AM - 11:45 AM

Kidd Island Bay

Session Chair: Alireza Namdari, Western New England University

Track Chair: Bharani Nagarathnam, Texas A&M University

Marketing: A role for engineers

Willy Van Overschée, KVAB (www.kvab.be), ASEM Europe

Geert Letens, Royal Military Academy

A Framework for Utilizing Customer Service Intelligence for New Business Development: A Case Study of Digital Equipment Distributor

Bimal Nepal, Texas A&M University

Michael Robert, Texas A&M University

Predictive Power of GARCH Model against VMA and FMA Trading Rules: The Case of DJIA and DAX

Alireza Namdari, Western New England University

Tariq Durrani, University of Strathclyde

Program & Project Management (PPM III)

10:45 AM - 11:45 AM

Board Room 5 A/B/C

Session Chair: Alan Shisan, UJ

Track Chair: Donald Kennedy, Freerange Buddy Publications

Application of Process Mining in Project Management Context: an Exploratory Case Study in Software Development Projects

Marco Antonio Archanjo, PUCPR

Fernando Deschamps, Pontifical Catholic University of Parana

Rafael Kluska, PUCPR

Eduardo Santos, Pontifical Catholic University of Parana

Investigating The Factors, Risk And Challenges Impacting Cloud Computing Services Adoption Rate Across All The Sectors

Arnesh Telukdarie, University of Johannesburg

Alan Shisan, UJ

Special Topics (ST I)

10:45 AM - 11:45 AM

Bay 1B

Session Chair: Akin Olufowoshe, Chevron

Track Chair: Elizabeth Schott, Florida SouthWestern State College

Understanding the Differences: Comparing ASEM Project Management with Other Project Management Infrastructures

Valerie Denney, Embry-Riddle Aeronautical University

Commodities and Trade Policies – Challenges and Opportunities for Engineering Management

Akin Olufowoshe, Chevron

Systems Engineering (SE X)

10:45 AM - 11:45 AM

North Cape Bay

Session Chair: Valerie Michel, UVa

Track Chair: Javier Calvo-Amodio, Oregon State University; Jekonia Kwasa, Missouri S&T; Bryan Mesmer,

University of Alabama in Huntsville

A Synthesis of Definitions for Systems Engineering

Niamat Ullah Ibne Hossain, Mississippi State University

Raed Jaradat, Mississippi State University

A Methodology for Comparing Risk Behaviors in the Virtual and Natural Worlds

Justin Yandell, Texas Tech University

Mario Beruvides, Texas Tech University

A Risk Analysis of Oil and Natural Gas Drilling in the Chesapeake Bay

Valerie Michel, UVa