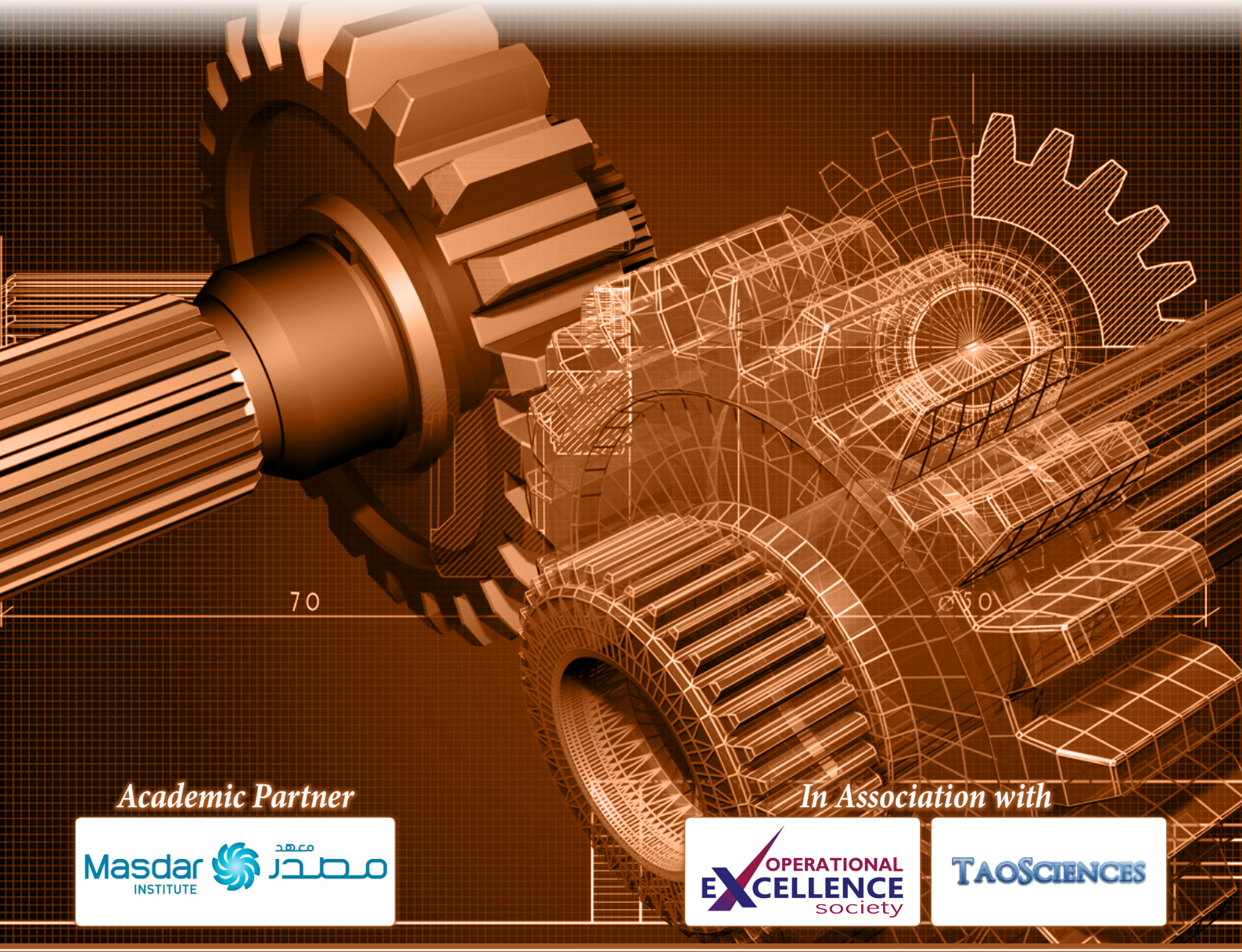
Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

International Summit on
Industrial Engineering

December 08-10, 2014 DoubleTree by Hilton Hotel San Francisco Airport, USA



Academic Partner

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Operational Excellence Society

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Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to *symposia@omicsonline.org*

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Day 1 December 08, 2014

08:00-09:30 Registrations

Sequoia-Redwood

OMICS Group Conferences
Accelerating Scientific Discovery

10:00-10:25 Opening Ceremony

Keynote Forum

10:25-10:30 Introduction

10:30-10:55 **Jim Sellers**
Independent Mechatronics Systems Engineering Consultant, USA

10:55-11:20 **Ping Ji**
The Hong Kong Polytechnic University, Hong Kong

Coffee Break 11:20-11:35 @ Foyer

11:35-12:00 **Nittala Surya Venkata Kameswara Rao**
Universiti Malaysia Sabah, Malaysia

12:00-12:25 **Dusan N Sormaz**
Ohio University, USA

Track 1: Industrial Engineering
Track 2: Manufacturing Engineering
Track 7: Environmental Impact of Industrial Engineering

Session Chair: Susan Lu, Binghamton University, SUNY, USA
Session Co-Chair: Jim Sellers, Independent Mechatronics Systems Engineering Consultant, USA

Session Introduction

12:25-12:45 **Optimization of production and maintenance problem: Case study of wind turbine power generation**
Nidhal Rezg, Lorraine University, France

12:45-13:05 **How do you turn compliance into an opportunity? RoHS & REACH environmental regulations**
Ken Kapur, Thermo Fisher Scientific, USA

13:05-13:25 **Understanding the customer requirements from online big data**
Ping Ji, The Hong Kong Polytechnic University, Hong Kong

Lunch Break 13:25-14:05 @ Tiburon-Sausalito

14:05-14:25 **Teaching smarter**
Diane Van Scoter, University of Connecticut, USA

14:25-14:45 **Product design and planning for additive (and hybrid) manufacturing**
Dusan N Sormaz, Ohio University, USA

14:45-15:05 **Application of TQM in construction sites**
Adil K Al-Tamimi, American University of Sharjah, UAE

15:05-15:25 **Iterative use of modeling and simulation (M&S) and test and evaluation (T&E) in engineering and manufacturing environments**
Jim Sellers, Independent Mechatronics Systems Engineering Consultant, USA

15:25-15:45 **Maximum-profit production-inventory system with stock-dependent demand, variable holding cost, and purchase cost discounts**
Hesham Kamal Al-Fares, King Fahd University of Petroleum & Minerals, Saudi Arabia

15:45-16:05 **Allocating optimum number of police patrols in a public safety emergency response system based on stochastic simulation**
Javier Holguin De La Cruz, Universidad Autónoma de Ciudad Juárez, Mexico

Coffee Break 16:05-16:20 @ Foyer

16:20-16:40 **Industrial design and simulation of aquaculture mooring system for deployment in open sea for macro algae farming**
Oladokun Sulaiman Olanrewaju, University Malaysia Terengganu, Malaysia

16:40-17:45 *Workshop on*
Cyber security for industrial control and automation systems
Nasser Abouzakhar, University of Hertfordshire, UK

18:00-19:00 Cocktails sponsored by **Journal of Industrial Engineering & Management @ Tiburon-Sausalito**

Day 2 December 09, 2014

Sequoia-Redwood

Keynote Forum

10:00-10:25 **Susan Lu**
Binghamton University, SUNY, USA

Coffee Break 10:25-10:45 @ Foyer

10:45-12:00 *Workshop on*
Delivering excellent ergonomic results with lean resources
Jessica Ellison, EORM, USA

Track 3: Healthcare Engineering & Management
Track 4: Ergonomics

Session Chair: Joan M Stevenson, Queen's University, Canada
Session Co-Chair: Kageyu Noro, Waseda University / ErgoSeating Co. Ltd., Japan

Session Introduction

12:00-12:20 **On-body ergonomic lifting aid: It's effectiveness, safety and user acceptability**
Joan M Stevenson, Queen's University, Canada

12:20-12:40 **Medical ergonomics: Product development based on collaboration between medicine and engineering**
Kageyu Noro, Waseda University/ErgoSeating Co. Ltd., Japan

12:40-13:00 **Data analysis to support healthcare decisions**
Sampson Gholston, The University of Alabama in Huntsville, USA

Lunch Break 13:00-14:00 @ Tiburon-Sausalito

14:00-14:20 **Data-driven process improvements in the emergency department**
Sheila R Dyas, The University of Alabama in Huntsville, USA

14:20-14:40 **Photogalvanic cells: Renewable and future energy devices for solar power and storage**
Pooran Koli, JNV University, India

14:40-15:00 **Health management of complex system based on performance degradation**
Susan Lu, Binghamton University, SUNY, USA

15:00-15:20 **Creating and sustaining value: Building a culture of continuous improvement**
Saleem Chattergoon, Toronto East General Hospital, Canada

Coffee Break 15:20-15:40 @ Foyer

15:40-16:00 **Bringing ergonomics and human factors to the design of workspaces**
Jessica Ellison, EORM, USA

16:00-16:20 **Dystocia risk score: A decision making tool to combat maternal mortality**
Papa Ndiaye, Gaston Berger University, Saint-Louis / Sénégal

16:20-17:20 *Workshop on*
Everything is environmentally unclean but over criticism of CO_2 is wrong
Pooran Koli, JNV University, India

14:30-15:30 Poster Presentations @ Tiburon-Sausalito

17:30-18:30 Cocktails sponsored by **Journal of Advances in Robotics & Automation @ Tiburon-Sausalito**

Day 3 December 10, 2014

Sequoia-Redwood

Track 6: Supply Chain Management & Logistics
Track 9: Materials Science

Session Chair: Jorge Alberto Lopez Ortiz, RYC food, Mexico
Session Co-Chair: Sweety Sarma, University of South Africa, South Africa

Session Introduction

09:30-09:50 **Thinking outside the box is not fought with quality**
Jorge Alberto Lopez Ortiz, RYC food, Mexico

09:50-10:10 **Memristive behavior of undoped and doped PVA/CdS nanocomposites**
Sweety Sarma, University of South Africa, South Africa

10:10-10:30 **Process integration of computer driven wargames in support of fiscal policy decisions**
Alejandro S Hernandez, Naval Postgraduate School, USA

10:30-10:50	**Study for the strategic development of green supply chain management** **Manpreet Singh,** Lovely Professional University, India
	Coffee Break 10:50-11:10 @ Foyer
11:10-11:30	**Synthesis of highly water soluble nanostructured boron nitride for anticancer drug delivery** **Akshay Kumar,** Sri Guru Granth Sahib World University, India
11:30-11:50	**Hybrid nanomaterials and new designs for sustainable energy storage applications** **Leela Mohana Reddy Arava,** Wayne State University, USA
	Young Research Forum
11:50-12:10	**Business process modeling using hybrid simulation: A peer lending case study** **Oloruntomi Joledo,** University of Central Florida, USA
12:10-12:30	**Organizational safety culture and individual safety behavior: A case study of a construction mega project in Medina at Saudi Arabia** **Omar Alrehaili,** University of Central Florida, USA
12:30-12:50	**The modeling of environmentally responsible supply chains** **Ehab Bazan,** Ryerson University, Canada
	Closing Ceremony
	Lunch Break 12:50-13:50 @ Tiburon-Sausalito

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