ISIME 2024

SPECTRUM
Conferences & Expos

INTERNATIONAL SUMMIT ON

INDUSTRIAL AND MANUFACTURING ENGINEERING

Dates   : April 25-26, 2024

Venue : Holiday Inn Munich South
           Munich, Germany

Day-1 | April 25, 2024

Chair		*M Moatamedi, President,* The International Society of Multiphysics,UK
Co-Chair		*Geoffrey Vining,* Virginia Tech University, USA
09:00-09:30		*On Spot Registrations*
09:30-10:10	P	*Title:* MULTIPHYSICS: Engineering Approach *M Moatamedi, President,* The International Society of Multiphysics,UK
10:10-10:50	P	*Title:* Shewhart and Statistical Process Monitoring for Industry 4.0 *Geoffrey Vining,* Virginia Tech University, USA
10:50-11:05		*Refreshment Break*
11:05-11:45	P	*Title:* Data-driven Statistical Modeling and Quality Control for Industry 4.0 *Biagio Palumbo,* University of Naples Federico II, ENBIS President, Italy
11:45-12:25	P	*Title:* Will be Updated Soon... *Jana Sue Bochert,* Dean-Technical University of Ingolstadt, Germany
12:25-12:55	K	*Title:* Towards Green Hydrogen : Application of Multi Flying Jet Plasma Torches Reactor for Steam/Carbon Dioxide Plasmolysis *Wameath Sh. Abdul-Majeed,* University Of Nizwa, Oman
12:55-13:55		*Group Photo* *Lunch Break*
13:55-14:25	K	*Title:* Statistical Perspectives on Reliability of Artificial Intelligence Systems *Yili Hong,* Virginia Tech University, USA

Time		Title & Speaker
14:25-14:55	**K**	**Title:** Interface between Experimental Design and Machine Learning for Industrial 4.0
		Xinwei Deng, Virginia Tech University, USA
14:55-15:25	**K**	**Title:** Na-ion Battery Using an Organic/Inorganic Composite Electrolyte
		LU Li, Editor-in-Chief of Advanced Functional Materials Letters, Singapore
15:25-15:55	**K**	**Title:** Modern Trends in Manufacturing Systems Design in the Aspect of Industry 4.0 and Industry 5.0 Challenges
		Arkadiusz Gola, Lublin University of Technology, Poland

15:55-16:10	*Refreshment Break*

Time		Title & Speaker
16:10-16:35	**I**	**Title:** Enhanced Focus on Sustainable Industrial Engineering: An Argument for Using More Direct Circular Methods in Processes and Procedures
		Dennis Michael Gawlik, American University of Bahrain, Bahrain
16:35-17:00	**I**	**Title:** Living a Lean and Flexible Approach in the Digitalization of Manufacturing Processes
		Hugo David, IAC Group, Germany
17:00-17:25	**I**	**Title:** Deep Learning for the Condition Monitoring and Predictive Maintenance of Servo Motors in the Manufacturing Industry Using Iot Devices
		Joseph Pablo Varun, Birla Institute of Technology and Science, Pilani, India
17:25-17:50	**I**	**Title:** Deep Learning for the Condition Monitoring and Predictive Maintenance of Servo Motors in the Manufacturing Industry Using Iot Devices
		Babu Devendiran, Birla Institute of Technology and Science, Pilani, India

Closing the Conference for Day 01

Day-2 | April 26, 2024

Time		
09:30-10:10	**P**	**Title:** Reliable Adjustable Planning in Case of Dynamically Arriving Information: Example of E-Commerce Warehouses **Alena Otto,** Chair of Operations and Supply Chain Management-University of Passau, Germany
10:10-10:40	**K**	**Title:** Self-Powered Autonomous Wireless Multivariable Sensing System **Jikui Luo,** Bioelectronic Research Centre, China
10:40-11:10	**K**	**Title:** Will be Updated Soon.... **Joao Carlos O. Matias,** University of Aveiro, Portugal

11:10-11:25 — Refreshment Break

Time		
11:25-11:55	**K**	**Title:** Engineering Emotions: Navigating Change Through the Lens of Brain Science **David Bovis,** Founding Partner of Duxinaroe Ltd, UK
11:55-12:25	**K**	**Title:** Overcoming the Obstacles to Achieving Value from Modern Technology-a Practical Roadmap **Michael Jacobs,** Senior Transformational Consultant-Columbus, UK
12:25-12:50	**I**	**Title:** Future Approaches to Manufacture Free-Form Shapes from CAD/CAM, 3D Metal Printing to Industry 4.0 **Adriano Fagali de Souza,** Federal University of Santa Catarina, Brazil
12:50-13:15	**I**	**Title:** Enhancing Defect Detection on Paint Surfaces: Applying a Line Illumination Convolutional Neural Network Based Setup **Jodh Singh Bhatti,** University of Guelph, Canada

13:15-13:40	**I**	**Title:** Enhancing Defect Detection on Paint Surfaces: Applying a Line Illumination Convolutional Neural Network Based Setup
		Mostafa Deiab, University of Guelph, Canada
Poster	**PO1**	**Title:** Dimensional Control of Wear in Inserts for Die-Casting Moulds Using a Portable 3D Scanner
		Suela Fischer Beckert, Federal University of Santa Catarina, Brazil
Video	**VO1**	**Title:** Sustainable Manufacturing System in the Context of Current Technologies
		Mihaela Ciortea, University of Alba Iulia, Brazil, Romania

Closing the Conference for Day 02

UPCOMING EVENT

2nd International Summit On
Industrial And Manufacturing Engineering

Dates : May 05-07, 2025
Venue : Rome, Italy