



The 15th International Conference on Industrial Engineering
and Management (ICIEM2023)

第十五届工业工程与管理国际

会议手册

ICIEM 2023 Conference Program



线上会议

Online Conference

2023年5月16-17日

May 16-17, 2023

<http://www.iciemconf.org/>

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大会简介/Introduction

旨在汇集领先的学术科学家、研究人员和研究学者，交流和分享他们在工业工程和工业管理各个方面的经验和研究成果。它还为研究人员、从业人员和教育工作者提供了一个重要的跨学科平台，以展示和讨论工业工程和工业管理领域中的最新创新、趋势和关注点以及遇到的实际挑战和采用的解决方案。“**第十五届工业工程与管理国际会议**”（The 15th International Conference on Industrial Engineering and Management, 简称 ICIEM2023）由 Global Education Career Centre (GECC) 主办，International Association of Management Science & Engineering Technology (IAMSET 艾慕赛特) 承办，拟定于 2023 年 5 月 16 日-17 日召开互联网线上会议。

本次大会的议题（包括但不限于）：

- 议题 1：工业互联网
- 议题 2：自动化和控制系统
- 议题 3：工程：电气和电子
- 议题 4：工程：环境
- 议题 5：工程：制造
- 议题 6：运筹学和管理学
- 议题 7：物流工程
- 议题 8：信息系统
- 议题 9：工效学/人因工程学.....

本次会议广泛诚邀国内外高校、科研机构的知名专家、企业界人士及其他相关领域人员参会交流，提供一个扩大业内影响、提高学术认同、促进学术成果转化及科研交流的合作平台。

In order to bring together leading academic scientists, researchers and research scholars all around the world to exchange and share their experience and research results on all aspects of Industrial Engineering and Industrial Management. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Industrial Engineering and Industrial Management, **The 15th International Conference on Industrial Engineering and Management (ICIEM2023)**, which is organized by Global Education Career Centre (GECC), co-organized by International Association of Management Science & Engineering Technology (IAMSET), will be held on the Internet during May 16-17, 2023.

The topics are shown as follows (including but not limited to):

Topic 1: Internet Industry

- Topic 2: Automation & Control Systems
- Topic 3: Engineering, Electrical & Electronic
- Topic 4: Engineering, Environmental
- Topic 5: Engineering, Manufacturing
- Topic 6: Operations Research & Management Science
- Topic 7: Logistics Engineering
- Topic 8: Information Systems
- Topic 9: Human Factor

...

ICIEM2023 cordially invites renowned experts from universities and research institutions at home and abroad to participate in this conference, as well as people from the business community and other related fields, and provides a cooperation platform to expand the influence of the industry, improve academic recognition, promote the transformation of academic achievements and scientific research exchange.

组织机构/Organization

- 主办单位
- Global Education Career Centre (GECC)
- 承办单位
- 国际管理科学与工程协会

- **Host Organizer**
- Global Education Career Centre (GECC)

- **Co-organizer**

- International Association of Management Science & Engineering Technology
(IAMSET 艾慕赛特)

会议主席/Chairman

● 会议荣誉主席 Honorary Chairman



Dr. Dima Jamali

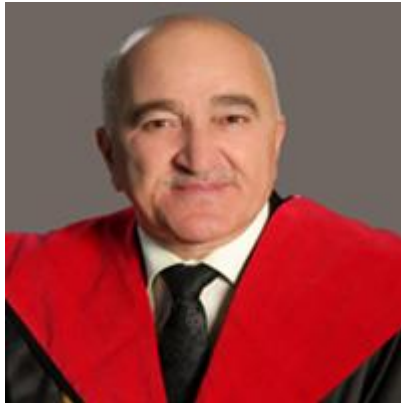
University of Sharjah-UAE

Dima Jamali is currently serving as Dean of the College of Business Administration at the University of Sharjah, UAE.

She has an academic career for over 20 years, primarily at the American University of Beirut (AUB), where she served as tenured professor and associate dean for the Olayan School of Business (OSB) and director for Strategic Partnerships for the University. She made her way fast track through the ranks to full professor in 2010 and endowed Chair in Responsible Leadership in 2014. Dr. Jamali was ranked among top 2% most influential global scholars in the field of sustainability by Stanford University for two years in a row (2020 and 2021) and ranked 30 among the top 100 scientists in the UAE in 2022.

Starting in 2015, she has founded and served as president and national representative for the UN Global Compact Network Lebanon (GCNL), a network of businesses committed to advancing Sustainability and the Sustainable Development Goals (SDGs) in Lebanon.

● 会议主席 Chairman



Dr. Rami Al-Hadeethi

Guest Professor, Global Education Career Centre (GECC), London, UK

He is an international award-winning professor of Industrial Technology & Operations Management. He has solid understanding of business administration in an engineering context, and passion for learning and consultative leadership style are the driving forces behind a progressively successful 29+ years' career. He enjoys inspiring students across the EMEA to achieve their full academic and personal potential. He is also founder of academic departments, colleges and programs, and takes participant in worldwide conferences. Dr. Rami holds both PhD and MSc degrees from well-recognized UK universities. He is also the coordinator of Innovative Projects in the field of education, the Oxford Academic Union, Oxford, UK and Industrial Engineering Thematic Leader, Education Society Chapter, IEEE United Kingdom and Ireland Section. He is an Internationally-recognized consultant with a unique prospective on mixing engineering knowledge and administrative abilities in the design, delivery of worldwide training courses and his scientific research efforts have resulted in the publication of 59 papers and three books. He is certified in instruction and e-learning systems and has taught online courses, supervised and examined online individual, group projects and postgraduate theses, and media appearance and interviewed by TV channels.

国际期刊/International Journals

ICIEM 组委会鼓励作者通过提交摘要或全文参加会议。会议接收工业工程与工业管理相关的各领域的高质量研究论文。

会议与知名出版商的国际认证期刊合作，会议参与者有机会在这些期刊上提交他们的完整论文进行在线发表。所有投稿都要进行双盲同行评议，投稿结果将取决于同行评审意见。

建议与会者在决定合适的期刊之前，先阅读期刊的范围和目的。会议遵循普遍接受的出版道德规范。

您所选择的期刊的投稿指南和作者说明将在会后通过电子邮件单独提供。

包含但不限于以下期刊：

The ICIEM organizing committee encourages authors to participate in the conference by submitting abstracts or full papers. The conference accepts high quality research papers in all fields related to Industrial Engineering and Industrial Management.

We are working with internationally accredited journals from renowned publishers and conference participants are provided with the opportunity to submit their full papers for online (closed access) publication in these journals. All supporting journals are subjecting submissions to the double-blind peer-review process. The decision on publication will depend on the peer-review process.

Participants are advised to read the journal’s scope and aim before deciding the suitable journal. We follow universally accepted ethics on publication.

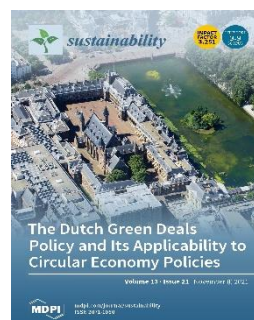
Guides on submission and author instructions of your preferred journal will be provided separately via an email after the conference.

Journals include but are not limited to:



Sustainable Development

WILEY
IF: 6.159



Sustainability

MDPI
IF: 3.251



Production and Operations Management

WILEY
IF: 4.965



Science and Public Policy

Oxford University Press
IF: 2.725



Journal of Environmental Planning and Management

Springer
IF: 2.735



Journal of Organizational Change Management

Emerald Publishing
IF: 2.293



Operations Research Letters

Elsevier
IF: 1.154



Asia Pacific Business Review

Taylor & Francis
IF: 2.361

主讲嘉宾/Keynote Speakers

**Yuan-Chung Lin, Distinguished Professor****National Sun Yat-Sen University (Taiwan)**

Prof. Lin has a distinguished career in environmental science and ecology. He joined the Institute of Environmental Engineering, National Sun Yat-Sen University, Taiwan in August 2008. Concerning the increasingly severe air pollution and climate change globally particularly in Asia, Prof. Lin continued researching of biofuels production and energy-saving technologies for pollutants or emission reduction, particularly focusing on pollutant emissions from vehicles. He has extensively used ionic liquids as catalysts with a microwave heating system for the improvement of biofuels production from biomass such as biodiesel and hydrogen, as well as used a novel plasma-enhanced combustion system for emissions reduction of polycyclic aromatic hydrocarbons and greenhouse gases from engines.

In August 2018, Prof. Lin was promoted as a Distinguished Professor and Director of Institute of Environmental Engineering, National Sun Yat-Sen University. He was awarded the Academic Research Merit Teacher Award (2012-2017), Industry Research Merit Teacher Award (2016-2017) and Award for Excellence in Teaching (2017) by the National Sun Yat-Sen University. He still leads a group of more 15 research members.

As of 2023, Prof. Lin has published a total of 135 papers in SCI journals and other peer review international journals. He has published over 145 international conferences papers and has applied for 2 patents. In the past 5 years, Prof. Lin has published 42 papers, including a total of 36 SCI-retrieved papers, 13 first works, and a high h-index of 34.

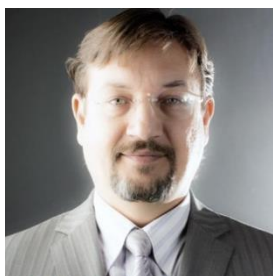
Website:<https://scholar.google.com/citations?user=q2PXstsAAAAJ&hl=en>



Himanshu Sharma, Assistant Professor
University of Greenwich, London, UK

Prof. Himanshu Sharma received his MS degree from University of Greenwich, London, UK in 2010 and PhD degree from Indian Institute of Technology (IIT) in 2017. His research interests are in the areas of solar wind power, power generation systems, modeling and control. He has a rich teaching experience and held the position of Assistant Professor within various organizations such as SRM IST, K. R. Manglam University, etc. In 2019, he took participate in a joint project by Government of India, NPIU, TEQUIP-III multi-departmental: Design and Development of PV-Wind, Energy Storage-based Hybrid Renewable Energy System with Proper Energy Management and Control. Currently, he has published 32 outputs, including 1 patent, 2 books, 9 SCIE-indexed papers and 4 Scopus indexed papers. In addition, he has participated in many international academic conferences and national conferences.

Website: <https://orcid.org/0000-0002-6429-754X>



Umit Unver, Associate Professor
Yalova University

Associate Professor Umit Unver currently holds the position of head of the department of Thermodynamics at Yalova University. At the same time, he also is Executive Director at ZeroBuild Institute and Editor in Chief at ZeroBuild Journal. He received his B.Sc. degree from Uludag University in 1998, his M.Sc. degree from Uludag University in 2000, and his Ph. D. degree from Uludag University in 2004. In terms of academic advising, Associate Professor Umit Unver has achieved extraordinary success, and guided a total of eight students to successful completion of their master's thesis between 2015-2021.

Associate Professor Umit Unver is an excellent



academic researcher and have published about 30 journal articles and 6 academic books between 2015 and 2022. He has also actively participated in national and international academic conferences and presented 25 papers at various conferences. He has published a total of 21 SCI papers, of which 4 are high-scoring papers.

Dhananjay R. Mishra, Assistant Professor

Jaypee University of Engineering and Technology

Dr. Dhananjay R. Mishra was born in Jaunpur, Uttar Pradesh on June 30, 1980. He obtained his Bachelor's degree (Mechanical Engineering) from Amravati University (M.S.), Master's degree (Production Engineering, MECH.ENGG.) in 2007 from BIT, Durg of Pt. Ravi Shankar Shukla University, Raipur (C.G.), and Doctor of Philosophy in Mechanical Engineering from the National Institute of Technology Raipur, Raipur on August 2016.

He has published and reviewed more than 100 and 125 research articles in peer-reviewed international/national journals/conferences respectively and filed ten patents in the Indian patent office based on his research work. Under his guidance, four research scholars have successfully defended their PhD degrees in mechanical engineering, renewable energy and composite materials applications specialization. He has mentored and guided many undergraduate and postgraduate students for their thesis dissertations.

Website: <https://orcid.org/0000-0002-5107-0012>

Bingsong Tang, Associate Professor

Zhejiang Guangsha Vocational and Technical University of Construction



He is a member of the Architectural Society of China. He is also a member of China Civil and Engineering Society. He is a youth editor of Journal of City Architecture. His interests cover PPP projects, conflict and dispute

management in projects. Recent years, he has published many papers in Sustainability, JEM (in Chinese), CEC (in Chinese), PMT (in Chinese), JCEM (in Chinese), etc. The number of papers exceeds over 30. Besides, he has also published 5 books, including “Dispute management in civil engineering” and “The dispute management and performance improvement in projects based on governance theory” and so on. He is awarded many times by government.



Dima Jamali, Professor

University of Sharjah

Dima Jamali is currently serving as Dean of the College of Business Administration at the University of Sharjah, UAE.

She has an academic career for over 20 years, primarily at the American University of Beirut (AUB), where she served as tenured professor and associate dean for the Olayan School of Business (OSB) and director for Strategic Partnerships for the University. She made her way fast track through the ranks to full professor in 2010 and endowed Chair in Responsible Leadership in 2014. Dr. Jamali was ranked among top 2% most influential global scholars in the field of sustainability by Stanford University for two years in a row (2020 and 2021) and ranked 30 among the top 100 scientists in the UAE in 2022.

Starting in 2015, she has founded and served as president and national representative for the UN Global Compact Network Lebanon (GCNL), a network of businesses committed to advancing Sustainability and the Sustainable Development Goals (SDGs) in Lebanon.

**Samuel Ogbeibu, Lecturer****School of International Business and Strategic Management, University of Bradford**

Dr. Ogbeibu Samuel is a Lecturer in International Business and Strategic Management in the Faculty of Management, Law and Social Sciences of the University of Bradford (UoB), United Kingdom (UK). He is the UoB Lead for the United Nations' "Principles for Responsible Management Education" initiative. He holds a Doctor of Philosophy (Ph.D.) degree from the University Tunku Abdul Rahman (UTAR) Malaysia, and a Master of Business Administration degree from the University of Wales (Prifysgol Cymru), Cardiff, UK. He is a global winner of the 2019 EMERALD LITERATI AWARDS FOR EXCELLENCE for the highly commended article award. He is a Senior Editor of the Global Business and Organisational Excellence journal. He is a distinguished Keynote Speaker who has delivered several keynote speeches at different internationally recognised conferences held in Malaysia, Thailand, Netherland, and in other regions of the world. His research focus is on Creativity, Innovation, Human Resource Management, Environmental Sustainability, Smart Technology, Artificial Intelligence, Robotics, and Algorithm (STARA), and business research methods. He made it into the list of "4 finalists" of the research and engagement 'business, society and communities - early career researcher award 2021 for all Curtin University global campuses (Australia, Dubai, Malaysia, Mauritius, Singapore), and also won the Curtin University Malaysia Best Early Career Researcher Award 2021 (male category). He has published in (and is a reviewer panel member for) several top-tier journals (ABDC 'A'; ABS '3' and WOS Q1 ranked), such as the Journal of Cleaner Production, Business Strategy and the Environment, Journal of Business Research, Computers and Education, Current Psychology, Knowledge Management Research & Practice and others.



Vivek Kumar Singh, Post doctorate

Faculty of Science and Technology, University of Coimbra

Dr. Vivek Kumar Singh has extensive experience in both industrial and academic fields. He has been doing research for more than 10 years and received his Ph.D. from MIT/University of Coimbra, Portugal, USA in 2019. His research areas are very broad and include renewable energy, energy efficiency, climate economics, etc. In terms of experience, he worked as an independent consultant for various organizations in India (GILWEM, UPES) in 2021, as a researcher at the Centre for Science, Technology and Policy Studies in India from January to August 2022, and now as an independent consultant at Sustainability business. He has an equally strong track record in academic publishing. He has a total of 325 citations and an h-index of 7.



Gayas Ahmad, Research Scholar

School of Commerce, Aligarh Muslim University

Dr. Gayas Ahmad got both his Master of Commerce and his Doctor of Philosophy from Aligarh Muslim University in Aligarh, India. His research interests are in the areas of sustainability, ESG, energy finance, and portfolio optimisation. He has rich research experience within the finance domain. He has published a total of papers, one in the ABDC (A) category, SSCI Q1 and two in Q2. He has also actively participated in academic conferences and presented various papers.

In addition, he has participated in many international academic conferences and published papers on these conferences. He has received two best paper awards at an international conference: one at Amity University, Tashkent Campus, and another at the Birla Institute of Management.



**Upadhyay Darshit, Assistant professor
Institute of Technology, Nirma University**

Dr. Darshit S Upadhyay is working as Assistant Professor in Mechanical Engineering Department since 2012. He has completed MTech in Thermal Engineering and PhD from Nirma University in 2012 and 2020, respectively. He has more than 15 SCI-indexed journal publications and presented more than 20 papers in international conferences. He has received different project grants as PI/Co-PI from the Department of Science and Technology (DST), Gujarat Council on Science and Technology (GUJCOST), and Nirma University in the area of Renewable Energy. Dr Upadhyay has guided 15 postgraduate dissertations. He has received an “Early Career Academic Grant” from the Association of Commonwealth University, United Kingdom in 2016. He has also received the Indian Society for Technical Education (ISTE) -Gujarat State Fertilizer & Chemicals (GSFC) National Award for guiding the best M. Tech thesis in Mechanical Engineering for the year 2018. He was conferred with the Best Research Scientist for overall Contribution in all Activities of Research in 2020 by Nirma University. He is also awarded "ISTE GUJARAT- M. C. Bhavsar Award" for Innovative Work in the areas of Renewable Energy in 2022. Dr. Upadhyay is the reviewer of the international refereed journals in the fields of renewable energy, energy management, fuel, etc. His research interests include Biomass Gasification, Energy Conversion, and Renewable Energy.



**Rudra Sankar Pal, Research Scholar
School of Electrical Engineering, Indian Institute of
Technology (Indian School of Mines)**

Dr. Rudra Sankar Pal is currently studying at the Indian Institute of Technology (IIT) (ISM) Dhanbad and his main research interest is soft computing applications in renewable energy systems. He was a senior research fellow in Electrical Engineering at IIT (ISM) Dhanbad with 4.8 years of extensive experience. He has published three SCI articles, one of which was published in Energy Conversion

and Management, a leading industry journal with an IF index of 11.53. He has also served as a reviewer for many international publishers such as Elsevier; Taylor & Francis; Springer, etc. He also actively takes participate in international academic conferences and has served as a conference reviewer on several occasions.



Rabiya Nasir, Assistant Professor

The University of Lahore

Rabiya Nasir is a motivated and dedicated individual with proven technical skills and possessing an approachable and dynamic personality. She obtained her doctorate at the University of Punjab during 2017-2022. Her areas of specialization include energy modeling, environmental impact assessment, sustainable development goals, CDM and climate change. In the relative areas, she took participate in many times conferences and published 10 papers included in WOS database. Rabiya Nasir has a rich professional experience. She has served as assistant professor in the University of Lahore from 2016 and is responsible for Supervising undergraduate and/graduate teaching, internship, and research work. She also served as Junior/Trainee Environmentalist to take participant in many projects in MMP, such as Karot Hydropower Project, Punjab Irrigated-Agriculture Productivity Improvement Project (PIPIP), Environmental and Social Studies including Resettlement Frameworks, Land Use Plan for Thar Coal Field and Guddu Barrage Rehabilitation and Modernization Project...

会议信息/Information

● 在线会议测试

点击链接入会，或添加至会议列表：

 <https://meeting.tencent.com/dm/WIQW4Trw7Rqg>

会议主题：ICIEM2023 Conference Test

会议时间：2023/05/16 14:00-18:00 (GMT+08:00)北京时间

#腾讯会议：986-419-619

会议密码：2023

● Online Conference Test Website Entrance

Please download the VoovMeeting application here and sign up an account.

 <https://meeting.tencent.com/dm/WIQW4Trw7Rqg>

Meeting Topic: ICIEM2023 Conference Test

Conference Time: 2023/05/16 14:00-18:00 (GMT+08:00) Beijing Time

Conference ID: 986-419-619

Password: 2023

Copy the information, open the Tencent conference APP can participate in the conference.

● 在线会议入口

点击链接入会，或添加至会议列表

✔ <https://meeting.tencent.com/dm/RMCig9i0xq4Q>

会议主题：ICIEM 2023-Online Conference

会议时间：2023/05/17 09:00-19:00 (GMT+08:00) 北京时间

#腾讯会议：152-709-410

会议密码：2023

复制该信息，打开手机腾讯会议即可参与

● Online Conference Website Entrance

Please download the VoovMeeting application here and sign up an account.

✔ <https://meeting.tencent.com/dm/RMCig9i0xq4Q>

Meeting Topic: ICIEM 2023-Online Conference

Conference Time: 2023/05/17 09:00-19:00 (GMT+08:00) Beijing Time

Conference ID: 152-709-410

Password: 2023

Copy the information, open the Tencent conference APP can participate in the conference.

● 会务联系方式 Contact

Email: admin@iciemconf.org

ICIEM Organizing Committee

温馨提示/Kindly Reminder

● 温馨提示

各位参会人员

请发言代表注意自己的发言日期和时间,并提前作好准备。演讲时间20-25分钟。提问5-10分钟。为防止网络不顺畅,最好录制一份20-25分钟的演讲视频备用。

● Kindly Reminder

To all Chairs and Speakers

Please pay attention to the date and time of your speech and prepare in advance. Restricted speaking time: 20- 25 Minutes of Presentation. There will be a Q&A session about 5-10 minutes in the online conference ICIEM 2023. In case the network is not very good, we would like that you may record a video of your presentation about 20-25 minutes.

会议日程/Schedule

ICIEM 2023 SCHEDULE					
Date	Project	Beijing Time (GMT+8.00)		Schedule	TITLE
May 17, 2023	Opening Ceremony	9:30-9:50	9:30-9:40	Host: Zoey Host: Annie	ICIEM Opening Introduction
			9:40-9:45	Dr. Rami Al-Hadeethi	Speech from Conference Chairman
			9:45-9:50	Dr. Dima Jamali	Speech from Conference Honorary Chairman
	Keynote Speech	9:50-12:20	9:50-10:15	Dr. Yuanchung Lin	Bio-fuel technology for net zero emission
			10:15-10:40	Dr. Bingsong Tang	Contractual Governance for Dispute Resolution and Construction Sustainability: Case Studies from China
			10:40-11:05	Dr. Dhananjay R. Mishra	Parametric optimization of Nd: YAG laser drilling operation on basalt-PTFE hybrid composite coated with glass woven fibre for hole taper using Teaching Learning Based Optimization Algorithm
			11:05-11:30	Dr. Vivek Kumar Singh	Biofuels (Methanol) versus Electric Vehicles: Opportunities and Challenges in India
			11:30-11:55	Dr. Rudra Sankar Pal	An overview of maximum power point tracking based on metaheuristic optimizations for photovoltaic system
			11:55-12:20	Dr. Upadhyay Darshit	Investigations on Influence of Catalyst and Steam on Performance of a fixed bed gasifier with Lignite Feedstock

会议日程 Schedule

	MEAL TIME		12:20-14:00		
	Keynote Speech	14:00-16:45	14:00-14:25	Dr. Rabiya Nasir	Emission Reduction Analysis of Greenhouse Gases using Energy Modeling for Power Sector of Punjab
			14:25-14:50	Dr. Dima Jamali	Changes in Higher Education: Sustainability in Focus
			14:50-15:15	Dr. Gayas Ahmad	Impact of Environmental Social Governance (ESG) on Environmental Performance
			15:15-15:45	Dr. Umit Unver	Energy Efficiency: Definition, Importance, and Efforts
			15:45-16:10	Dr. Himanshu Sharma	Future of renewable energy systems
			16:10-16:45	Dr. Ogbeibu Samuel	Responsible innovation in organisations – unpacking the effects of leader trustworthiness and organizational culture on employee creativity.
	Discussion		16:45--	Participant	ICIEM Closing Introduction