



**International Forum on Sustainable
Engineering, IT Transformations, and
Applied Sciences (SETA)**

**Tokyo Japan
June 21-22, 2025**

**Volume 02
Issue 02**

**ABSTRACT
PROCEEDING
BOOK**



Contents

BOOK OF ABSTRACTS PROCEEDINGS	3
REVIEW BOARD	6
ORGANIZING COMMITTEE	7
CONFERENCE TRACKS	8
CONFERENCE CHAIR MESSAGE.....	9
TRACK A	10
Business, Economics, Social Science & Humanities	10
ISLAMIC MOTIFS AS AN INNOVATIVE ENTRY TO CONTEMPORARY FASHION FOLLOWING THE IRIS VAN HERPIN' DESIGN APPROACH	11
PROTECTING FINANCIAL DATA IN REMOTE AUDITING: CYBER THREATS AND DEFENSE STRATEGIES	12
TAX AND TRUST IN MOROCCO: A QUALITATIVE INVESTIGATION OF CIVIC PERCEPTIONS	13
TOURISM DEVELOPMENT IN MOROCCO: ADDRESSING SEASONALITY AND REGIONAL INEQUALITY	14
CONFLICTS OF INTEREST AND THE BIG FOUR: TOWARDS A MANDATORY COMPLETE AUDITOR ROTATION	15
NIHILISM IN ECONOMIC THOUGHT: A STRUCTURED LITERATURE REVIEW	16
TRACK B.....	17
Engineering & Technology, Computer, Basic & Applied Sciences	17
TWO BOOTSTRAP TESTING PROCEDURES FOR THE LIFETIME PERFORMANCE INDEX FOR EXPONENTIAL PRODUCTS	18
UTILIZING MODULARITY, LASER TECHNOLOGY, AND ARTIFICIAL INTELLIGENCE IN CREATING CONTEMPORARY WOMEN'S BOW BAGS INSPIRED BY TRADITIONAL OMANI MOTIFS	19

BOOK OF ABSTRACTS PROCEEDINGS

International Forum on Sustainable Engineering, IT Transformations, and Applied Sciences (SETA)

City/Country: Tokyo Japan

Date: June 21-22, 2025

Venue: Hotel Mystays Ochanomizu Conference Center Tokyo Japan & Online

Email: contact@scholarlyevents.org

URL: <https://scholarlyevents.org/>



All rights reserved. Without the consent of the publisher in written, no individual or entity is allowed to reproduce, store or transmit any part of this publication through any means or in any possible form. For obtaining written permission of the copyright holder for reproducing any part of the publication, applications need to be submitted to the publisher.

Proceedings of the International Forum on Sustainable Engineering, IT Transformations, and Applied Sciences (SETA)

Disclaimer

Authors have ensured sincerely that all the information given in this book is accurate, true, comprehensive, and correct right from the time it has been brought in writing. However, the publishers, the editors, and the authors are not to be held responsible for any kind of omission or error that might appear later on, or for any injury, damage loss, or financial concerns that might arise as consequences of using the book. The views of the contributors stated might serve a different perspective than that of the Scholarly Events.

Tokyo June 2025

*International Forum on Sustainable Engineering, IT Transformations,
and Applied Sciences (SETA)*

CORE VALUES

- Inclusiveness and affirmative action
- Promoting the academic and research ethics
- Promoting the individual rights to learning, growth, opportunity and privacy
- Compliance with higher standards of research ethics
- Nurturing and sponsoring positivity in all areas of conduct
- Transparency and trust in all means of conduct

REVIEW BOARD

01. Hartini Ab Ghani (University Darul Iman, Malaysia)
02. Dr. Muhammad Abdul Wahid Usmani (University, Riyadh, Saudi Arabia)
03. Mrs. Rita Udoye Dept: Accounting Education Federal college of Education (Technical) Asaba, Nigeria
04. Dr. Seweryn Spalek Dept: Organisation and Management Silesian University of Technology, Poland
05. Mr. Khirulnizam B. Abd Rahman (Kolej Universiti Islam Antarabangsa Selangor)
06. Miss Fariha Gul (Institute of Education and Research, University of the Punjab, Lahore)
07. Cecilia Anthony Das (Curtin University, Sarawak, Malaysia)
08. Mr. Hussaini Garba Mohammed (Utako, Abuja, Negeria)
09. Dr. Mahmoud Fath-Allah Dept: Economic Department, League of Arab States (LAS), Egypt
10. M C Porcu, University of Cagliari, Italy
11. A D Tsonos, Aristotle University of Thessaloniki, Greece
5. Wahiba Ben Abdessalem, High Institute of Management of Tunis, Tunisia
12. Zongdeng, Qufu Normal University, China
13. Joey Wu, University of Pretoria, South Africa
14. Jasrul Nizam Ghazali, MARA University of Technology
15. Dr. Ali Serhan Koyuncugil, Capital Markets Board of Turkey, Turkey
16. Dr. Faisal B. Al-khateeb, New York Institutes of Technology-Abu Dhabi Campus, UAE
17. Dr. Samuel Andoh, Southern Connecticut State University, USA
18. Dr. Joseph Ofori Dankwa, GSMI Fellow, Saginaw Valley State University, USA
19. Ivneet Walia, Rajiv Gandhi National University of Law, India
20. Dr. S.Raghunadha Reddy Research Scholar at School of Pharmacy, University of Maryland.
21. Dr. Thitiphon Chimsook, Department of chemistry, Faculty of Science, Maejo univeristy, Thailand.
22. Salim Hiziroglu, Ph.D. Oklahoma State University, Stillwater, Oklahoma
23. Raffaelee Cavalli , University of Padova, Italia
24. Brce Talbot Skog og landskap, Norway

ORGANIZING COMMITTEE

Dr. Sennay Ghebreab
Conference Secretariat

Andrew Wee
Conference Coordinator

Mr. John
Conference Coordinator

Ms. Adrina
Conference Coordinator

Mr. Anthony
Conference Coordinator

Mr. Ivan
Conference Coordinator

CONFERENCE TRACKS

- Business, Economics, Social Science & Humanities
- Engineering & Technology, Computer, Basic & Applied Sciences

CONFERENCE CHAIR MESSAGE

Dr. Sennay Ghebreab

“Scholarly Events” is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the Society For Business, Economics, Social Science & Humanities, Society For Engineering & Technology, Computer, Basic & Applied Sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let’s get over all sorts of discrimination and take a look at the wider picture. Let’s work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you.

Dr. Sennay Ghebreab
Conference Secretariat



TRACK A

Business, Economics, Social Science & Humanities

ISLAMIC MOTIFS AS AN INNOVATIVE ENTRY TO CONTEMPORARY FASHION FOLLOWING THE IRIS VAN HERPIN' DESIGN APPROACH

Prof. Arwa Ali Nasser Al Khamisi¹, Noor Al Huda Said Humaid Al Jadidi², Rehab Ragab Mahmoud Hassaan^{3*}
¹²³ University of Nizwa Oman
Corresponding Email: rehab.ragab@unizwa.edu.om

Artistic creativity is in harmony with the nature of Islamic arts and its aesthetics, due to its elegance, grace and smoothness, which enabled it to be a generous and rich decorative element in the hands of artists and designers, with the designers' keenness to renewable sources of inspiration and present innovative visions in products, especially those visions that stem from cultural and heritage origins such as Islamic motifs, which represents the Arab identity and Islamic culture, hence, the problem of the research represents to explore the possibility of re-formulating the aesthetics of Islamic motifs ,geometric and floral, by applying this new vision through proposing a contemporary fashion collection, the collection have been designed using generative artificial intelligence. The proposed fashion collection follows Iris van Herpin's approach in Construction engineering and the use of laser cutting and engraving. The study follows a descriptive approach and uses an applied experimental method; two questionnaires have been applied to samples of specialists and potential consumers. The study recommends utilizing the capabilities of generative artificial intelligence to raise the innovative values of fashion design students, continuing to experiment and explore the potential of advanced technology to reformulate heritage with contemporary visions.

Keywords: *ESG, Islamic Art- Islamic Motifs- laser cutting and engraving- Generative AI Design- Dress Abaya*

PROTECTING FINANCIAL DATA IN REMOTE AUDITING: CYBER THREATS AND DEFENSE STRATEGIES

Ouberni Sarah^{1*}, El Filali Issam²

¹ Doctoral student in economics and management, Interdisciplinary organizational research laboratory, University Chouaib Doukkali

² Researcher-Lecturer at ENCG-EL JADIDA, Interdisciplinary organizational research laboratory, University Chouaib Doukkali

Corresponding Email: ouberni.sarah@ucd.ac.ma

As remote auditing becomes more prevalent in the financial sector, the protection of sensitive data has emerged as a rising concern. With the increasing use of digital tools and cloud-based platforms, financial data is increasingly vulnerable to cyber threats such as data breaches, hacking, and ransomware. This article examines the cybersecurity risks associated with remote financial auditing and explores the defense strategies necessary to protect financial information. It discusses essential security measures such as encryption, multi-factor authentication, and zero-trust models that are vital in safeguarding data during remote audits. The article also explores the role of artificial intelligence and machine learning in detecting anomalies and preventing fraud in real-time, offering solutions for enhancing audit security. Additionally, blockchain technology's potential to ensure transparency and create immutable audit trails will be discussed, positioning it as a key tool in securing remote audits. Ultimately, the research emphasizes that while technological innovations provide significant benefits, they must be complemented by strong cybersecurity practices to ensure the reliability and trustworthiness of remote auditing processes.

Keywords: Remote Auditing, Cybersecurity, Financial Data Protection, Artificial Intelligence, Blockchain Technology, Risk Mitigation

TAX AND TRUST IN MOROCCO: A QUALITATIVE INVESTIGATION OF CIVIC PERCEPTIONS

Maryem Jmahri^{1*}, Issam El Filali²

¹ Doctoral student in economics and management, Interdisciplinary research laboratory on organisations, Chouaib Doukkali University

² Lecturer-Researcher (HDR) at ENCG-EL JADIDA, Interdisciplinary research laboratory on organisations, Chouaib Doukkali University

Corresponding Email: jmahri.maryem@ucd.ac.m

This article examines how Moroccan citizens perceive taxation and how these perceptions influence trust in public institutions and attitudes toward tax compliance. While official discourse frames tax reform as a cornerstone of Morocco's development agenda promoting transparency, equity, and modernization citizens' lived experiences often reveal a more fragmented and ambivalent relationship with the fiscal system. Drawing on qualitative methods, the study integrates documentary analysis with 25 semi-structured interviews conducted across diverse socio-economic groups. The findings identify four major interpretative patterns: taxation as a coercive and opaque obligation; conditional support based on perceived fairness and reciprocity; strong perceptions of fiscal injustice and unequal treatment; and a widespread sense of disconnection between tax contributions and public service delivery. These narratives are shaped by past experiences, emotional responses, and the broader context of informality in the Moroccan economy. Thematic analysis, conducted using NVivo 12, reveals that compliance is not solely a matter of enforcement or civic duty, but is deeply tied to recognition, symbolic reciprocity, and institutional trust. The article concludes by calling for reform strategies that address both technical weaknesses and the symbolic dimensions of fiscal governance in order to restore legitimacy and build more inclusive state-citizen relations.

Keywords: *Tax attitudes, Fiscal legitimacy, Citizen perceptions, Public trust, Tax justice, Morocco, Tax policy acceptance*

TOURISM DEVELOPMENT IN MOROCCO: ADDRESSING SEASONALITY AND REGIONAL INEQUALITY

TAOUIL Halima^{1*}, ARARE Ahmed²

¹ PhD student in economics and management, Laboratory of Studies and Research in Economics and Management Sciences (LERSEM), Chouaib Doukkali University

² Professor at ENCG-EL JADIDA, Laboratory of Studies and Research in Economics and Management Sciences (LERSEM), Chouaib Doukkali University

Corresponding Email: taouil.halima@ucd.ac.ma

Despite Morocco's ambitious tourism strategies, regional disparities and seasonal fluctuations continue to restrict inclusive and sustainable destination development. This study takes a mixed-methods approach, combining quantitative data from 2019 to 2024 from the reliable sources such as: world bank, WTTC and for sure from HCP along with qualitative methods such as semi-structured interviews with 30 agent who works in the field such as travel agent, hotels and community actors. Where all the along the quantitative findings which reveal significant regional inequalities, with tourism activity centered in Marrakech, Agadir, and Casablanca, while peripheral regions remain underdeveloped. Seasonality exacerbates the separation, especially between coastal and rural communities. While the qualitative insights suggest that main limitations include insufficient infrastructure, weak regional promotion, and centralized policy execution. However, rising local initiatives, such as eco-and cultural tourism, provide hopeful answers. The study suggests improving regional tourist strategy and diversifying product offerings to lessen seasonal dependence and promote territorial equity.

Keywords: Tourism seasonality, Regional disparities, Inclusive development, Tourism resilience, Destination management

CONFLICTS OF INTEREST AND THE BIG FOUR: TOWARDS A MANDATORY COMPLETE AUDITOR ROTATION

Doha HARRAG^{1*}, Issam El Filali²

¹ PhD Candidate in Economics and Management, Interdisciplinary Research Laboratory on Organizations, Chouaïb Doukkali University; El Jadida

² Lecturer and Researcher, ENCG El Jadida, Interdisciplinary Research Laboratory on Organizations, Chouaïb Doukkali University; El Jadida

Corresponding Email: harragdoha@gmail.com

This article examines the impact of complete auditor rotation within audit firms on the quality of audit engagements and the management of conflicts of interest. The findings demonstrate that rotation significantly enhances auditor independence by fostering fresh perspectives and mitigating the risk of compromise due to excessive familiarity with clients. This practice strengthens professional vigilance and reinforces the perceived objectivity of the audit process. However, it also poses substantial operational challenges, including discontinuities in engagement monitoring, extended adaptation periods to new environments, and temporary productivity declines. Furthermore, the transition costs comprising training and the onboarding of new auditors represent a considerable burden for firms. The findings indicate a general consensus around an optimal rotation period of two to three years, balancing renewal with continuity. The study also underscores the importance of effective internal management of audit assignments, accounting for skill sets and sector-specific expertise, to maximize the benefits of rotation while minimizing its drawbacks.

Keywords: Auditor rotation, conflicts of interest, risk, transparency, independence

NIHILISM IN ECONOMIC THOUGHT: A STRUCTURED LITERATURE REVIEW

Domagoj Sajter*

Full Professor at Faculty of Economics in Osijek, Croatia

Corresponding Email: sajter@efos.hr

The paper aims to offer a structured literature review on the topic of nihilism in economic thought, mapping influential works. It performs a bibliometric analysis to trace the usage of the term "nihilism" within economics and business publications, establishing a foundation for future research in this area. Its purpose is to provide a structured literature review that traces how the concept of nihilism has been articulated, critiqued, and contested across the main schools of economic thought. Complementing this historical-theoretical synthesis, it conducts a bibliometric analysis of "nihilism" in leading scholarly databases to map the term's diffusion within economics-related fields and to furnish an empirical baseline for future research on the ethical and epistemic foundations of economics. Dimensions.ai, Scopus and Web of Science databases were searched and analyzed regarding nihilism in the areas of business and economics. The paper asks whether a unified, historical trajectory can be traced in how schools of economic thought confront the problem of nihilism and, in parallel, how bibliometric evidence on the term's co-occurrence patterns reveals its diffusion and thematic clustering within contemporary economics. The question is important because exposing the way economics confront nihilism reveals the risk that the discipline falls into epistemic void, while the accompanying bibliometric maps supply a baseline that future scholars can use to anchor and renew inquiry into this area. The literature shows both the dangers of nihilism and the efforts to counteract it. The question of nihilism in economics touches the core of the way we define progress and value in our society, which is especially important in the present day and age.

Keywords: Nihilism, Bibliometric analysis, Economics, Economic thought

TRACK B
Engineering & Technology, Computer, Basic & Applied Sciences

TWO BOOTSTRAP TESTING PROCEDURES FOR THE LIFETIME PERFORMANCE INDEX FOR EXPONENTIAL PRODUCTS

Shu-Fei Wu^{1*}, Jyun-Jhe Jheng²

¹²Department of Statistics, Tamkang University, Taiwan, R.O.C.

Corresponding Email: 100665@mail.tku.edu.tw

Process capability indices have been extensively employed for assessing process performance in the pursuit of enhancing quality and productivity. In cases where the lifetime distribution of products follows a one-parameter exponential distribution, the larger-the-better lifetime performance index is typically taken into account. Two bootstrap testing procedures are proposed for the lifetime performance index based on the progressive type I interval censored sample. One is the bootstrap percentile method and the other is the bootstrap-t method. Finally, one practical example is given to illustrate the use of these testing algorithmic procedures to determine whether the process is capable.

Keywords: Lifetime performance index, Bootstrap percentile method, Bootstrap-t method Testing procedure

UTILIZING MODULARITY, LASER TECHNOLOGY, AND ARTIFICIAL INTELLIGENCE IN CREATING CONTEMPORARY WOMEN'S BOW BAGS INSPIRED BY TRADITIONAL OMANI MOTIFS

Arwa Ali Nasser Al Khamisi¹, Noor Al Huda Said Humaid Al Jadidi², Rehab Ragab

Mahmoud Hassaan^{3*}

¹²³ University of Nizwa

Corresponding Email: rehab.ragab@unizwa.edu.om

The designer is always looking for new sources of innovative ideas through which he can come out into society with distinctive products that are unique in both functional and aesthetic aspects. The current research aims to utilize advanced contemporary technology, namely laser cutting and engraving technology, to employ it in the production of women bow bags, which is manufactured from faux leather, the traditional Omani motifs are the aesthetic basis in the design of the product which adopting modularity style, therefore, the study aims to combine several approaches together to produce a unique product that serves the Omani consumer and is also considered a distinct tourism promotion. The idea of the current study aims to explore the possibility of applying these innovative approaches together: Modularity, laser technology, traditional inspiration, AI generated design and bow bags products. Finally, measurement questionnaire is applied to three samples: One is fashion design specialists, the second is to potential consumers and the third to tourists at Nizwa, a historical city in Oman. Some exploration experimental samples were conducted with the aim of exploring the possibility of applying the experiment. The study follows the applied experimental approach; the descriptive approach is used to identify the properties of the technology used and its capabilities and Omani traditional motifs.

Keywords: *Traditional Omani Motifs, Modular Design approach, Fashion Accessories, Bow Bags, Tourist souvenirs, Laser cutting, Engraving*



OUR VISION

OUR VISION IS TO BE A CATALYST FOR POSITIVE CHANGE IN THE ACADEMIC LANDSCAPE. BY PROVIDING A PLATFORM FOR THOUGHT-PROVOKING DISCUSSIONS, NETWORKING OPPORTUNITIES, AND KNOWLEDGE DISSEMINATION, WE AIM TO INSPIRE THE NEXT GENERATION OF INNOVATORS AND CONTRIBUTE TO THE ADVANCEMENT OF SCHOLARSHIP ACROSS BORDERS.
