



International Research  
Network for Engineering  
Science and Technology

# **ICCABRE-SEP-2019**

**IRNEST 2nd International Conference on  
Computer Engineering, Applied Sciences,  
Biotechnology, Robotics & Energy**

**Shanghai, China**

**Date: September 28-29, 2019**

**[www.irnest.org](http://www.irnest.org)**

# ***CONFERENCE BOOK OF ABSTRACT PROCEEDINGS***

## ***IRNEST-2019***

International Research Network for Engineering Science and Technology



## TABLE OF CONTENTS

SCIENTIFIC COMMITTEE	vii
SCIENTIFIC COMMITTEE	viii
ORGANIZING COMMITTEE	ix
CONFERENCE TRACKS	x
CONFERENCE CHAIR MESSAGE	xi
Conference Day 02 (September 29, 2019)	xiv
<i>TRACK A</i>	1
<i>BUSINESS, ECONOMICS, SOCIAL SCIENCES &amp; HUMANITIES</i>	1
The Impact of Name Change on Short-term Values for Quoted Firms A Case Study Conducted at A-Share Market	2
Leisure Trip vs Business Trip: Whether Greater Self-Efficacy Increases Customer Satisfaction Under Hedonic/Utilitarian Conditions When Using Self-Service Technologies	3
<i>TRACK B</i>	1
<i>ENGINEERING, TECHNOLOGY &amp; APPLIED SCIENCES</i>	1
Factor Analysis of the Impact of Energy Consumption, GDP and Carbon Dioxide Emissions in Japan	2
Synthesis, Reactions and Biological Evaluation of Some Novel Thienothiophene Derivatives	3
<i>UP COMING EVENTS</i>	4

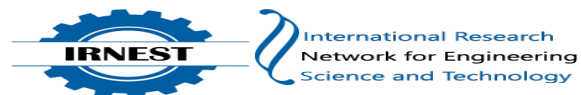
# **Book of Abstracts Proceedings**

**IRNEST 2nd International Conference on Computer Engineering, Applied Sciences, Biotechnology, Robotics & Energy (ICCABRE-SEP-2019)**

Shanghai, China  
September 28-29, 2019  
ISBN: 978-623-6577-80-5

Email: [Info@irnest.org](mailto:Info@irnest.org)

URL: [www.irnest.org](http://www.irnest.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 IRNEST 2nd International Conference on Computer Engineering, Applied Sciences, Biotechnology, Robotics & Energy (ICCABRE)

### **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 IRNEST.

***IRNEST 2nd International Conference on Computer  
Engineering, Applied Sciences, Biotechnology, Robotics &  
Energy (ICCABRE-SEP-2019)***

**Venue: VESH COFFEE No. 1100 Ding Xi Road (Near Zhao Hua Road)  
Changning District 1100101**

**Conference Theme:** Providing Platform for enhancement of research  
and developmental activities through networking.



## SCIENTIFIC COMMITTEE

**Qihu QIAN**

Member of Chinese Academy of Engineering

**Shunquan QIN**

Senior Engineer, China Railway Major Bridge Reconnaissance and Design Institute Co. Ltd./Member of Chinese Academy of Engineering

**Hongwei Ding**

Shanghai Jiao Tong University, China

**Xiangyu Duan**

Soochow University, China

**Junhui Li**

Soochow University, Suzhou, China

**Dr. Kolla Bhanu Prakash**

Department of Computer Science Engineering, K L Deemed to be University, Green Fields, Vaddeswaram, Guntur District, A.P., INDIA.

**Dr. S M Sohel Murshed**

University of Lisbon , Portugal

**Jianhua Tao**

Institute of Automation, Chinese Academy of Sciences, China



## SCIENTIFIC COMMITTEE

**Deyi Xiong**

Soochow University, China

**Prof. NASSER TOWHIDI**

University of Tehran, Iran

**Professor Hu Xiao**

Nanyang Technological University, Singapore

**Prof. Amnart Suksri**

Khonkaen University, Thailand



## ORGANIZING COMMITTEE

**PROF. LIN GAO**

Conference Chair

**Email:** lin\_gao@irnest.org

**DR. XINKUI WANG**

Conference Supervisor

**Email:** xinkui@irnest.org

**DR. ZHONGKUN ZHANG**

Conference Cordinator

**Email:** Zhongkun@irnest.org

**PROF. YANG YUEXIN**

Conference Cordinator

**Email:** Yang@irnest.org

**LORI SCHMIDT**

Conference Cordinator

**Email:** Lorschmidt@irnest.org

## CONFERENCE TRACKS

- Computer and Software Engineering
- Mechanical & Metallurgical Engineering
- Electrical & Electronics Engineering
- Civil Engineering
- Bio-Technology & Food Technology
- Chemistry & Chemical Engineering
- Physical, Applied and Life Sciences
- Interdisciplinary

## CONFERENCE CHAIR MESSAGE

### **Prof. Lin GAO**

“International Conference of International Research Network for Engineering Science and Technology (IRNEST)” 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 social sciences and 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.

Prof. Lin GAO

Conference Chair

Email: [lin\\_gao@irnest.org](mailto:lin_gao@irnest.org)



# CONFERENCE AGENDA

DATE: September 28-29, 2019

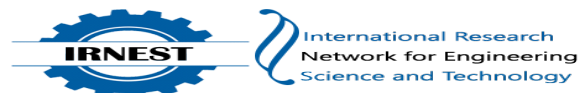
LOCATION: VESH COFFEE No. 1100 Ding Xi Road (Near Zhao Hua Road)hangning District 1100101

EVENT TITLE: IRNEST 2nd International Conference on Computer Engineering,  
Applied Sciences, Biotechnology, Robotics & Energy (ICCABRE-SEP-2019)

## Start Time

- 09:00 am - 09:10 am: Registration & Kit Distribution
- 09:10 am - 09:20 am: Introduction of Participants
- 09:20 am - 09:30 am: Inauguration and Opening address
- 09:30 am - 09:40 am: Grand Networking Session

**Tea/Coffee Break (09:40 am -10:00 am)**



# CONFERENCE AGENDA

DATE: September 28-29, 2019

LOCATION: VESH COFFEE No. 1100 Ding Xi Road (Near Zhao Hua Road)hangning District 1100101

EVENT TITLE: IRNEST 2nd International Conference on Computer Engineering,  
Applied Sciences, Biotechnology, Robotics & Energy (ICCABRE-SEP-2019)

Session: 01  
10:00 am - 11:30 am: Presentation Session  
Track A: Business, Economics, Social Sciences and Humanities

Presenter Name	Manuscript Title	Paper ID
ESBD-SEP2019-102	The Impact of Name Change on Short-term Values for Quoted Firms A Case Study Conducted at a-Share Market	Ziyue Yan
ESBD-SEP2019-103	Leisure Trip vs Business Trip: Whether Greater Self-Efficacy Increases Customer Satisfaction Under Hedonic/Utilitarian Conditions When Using Self-Service Technologies	Yuerong Han
<b>Track B: Engineering, Technology and Applied Sciences</b>		
ICCABRE-SEP19-101	Factor Analysis of the Impact of Energy Consumption, GDP and Carbon Dioxide Emissions in Japan	Yu Dan
SHE-499-101	Synthesis, Reactions and Biological Evaluation of Some Novel Thienothiophene Derivatives	Ahmed M. M. El-Saghier

**Lunch Break & Closing Ceremony (11:30 am - 12:30 pm)**

## CONFERENCE AGENDA

DATE: September 28-29, 2019

LOCATION: VESH COFFEE No. 1100 Ding Xi Road (Near Zhao Hua Road)hangning District 1100101

EVENT TITLE: IRNEST 2nd International Conference on Computer Engineering,  
Applied Sciences, Biotechnology, Robotics & Energy (ICCABRE-SEP-2019)

### Conference Day 02 (September 29, 2019)

Second day of conference will be specified for touristy. Relevant expenses are borne by Individual him/herself.



*IRNEST 2nd International Conference on Computer Engineering, Applied  
Sciences, Biotechnology, Robotics & Energy (ICCABRE)*

Shanghai, China

ISBN: 978-623-6577-80-5

***TRACK A***

***BUSINESS, ECONOMICS, SOCIAL SCIENCES & HUMANITIES***

## **The Impact of Name Change on Short-term Values for Quoted Firms A Case Study Conducted at A-Share Market**

<sup>1\*</sup>Ziyue Yan, <sup>2</sup>Yiyao Xu, <sup>3</sup>Siyang Weng, <sup>4</sup>Dejun Xie

<sup>1,2,4</sup>Department of Mathematical Sciences, Xian Jiaotong-Liverpool University  
China, <sup>3</sup>International Business School Suzhou, Xian Jiaotong-Liverpool University,  
China

Corresponding Email: ziyue.yan16@student.xjtlu.edu.cn

---

**Keywords:** Corporate Name Changes; Event Study; Corporate Strategy; Chinese Stock Market; Short-Term Performance

Investors recognition and their responses to corporate name changes are scantily explored areas in the field of behavioral finance. Based on a sample of 150 companies which are quoted on Chinese A-Stock Market and have changed their name once from 2009 to 2019, the study aims to investigate the impact of name change on companies stock performance in terms of abnormal returns. The results show that companies undergone name changes experience abnormal return fluctuations around announcement dates. Investors respond positively to name changes owing to merger and acquisition in the short term, while name changes because of restructuring or reputation could degrade firms market values. Name changes due to the change in business type generate no significant stock price reaction. Additionally, our findings support that name change mainly serves as a signal to investors and presents no plausible wealth effect to companies.



## **Leisure Trip vs Business Trip: Whether Greater Self-Efficacy Increases Customer Satisfaction Under Hedonic/Utilitarian Conditions When Using Self-Service Technologies**

\*Yuerong Han

Boston University, USA

Corresponding Email: Blazingamorgan@hotmail.com

---

**Keywords:** SSTs, Hedonic Products, Higher Self-Efficacy

In the past few decades, a considerable number of firms have applied a variety of Self-Service Technologies (SST) in their businesses to cut down labor costs and improve the customer experience. One of the questions in SST applications is whether the use of SSTs increases customer satisfaction. Prior research suggests self-efficacy could be an explanation for increasing customer satisfaction (to the brands) under SST applications. This paper explores whether customers with higher self-efficacy are more satisfied with SST application than the face to face transactions. More specifically, this paper tests whether the relationship between self-efficacy and customer satisfaction holds for transactions with hedonic or utilitarian motives. In the first experiment, participants rate their satisfaction to a five-star hotel during a leisure trip (hedonic motive) versus a business trip (utilitarian motive). In the next study, we manipulate peoples perceived self-efficacy levels and explore whether customer satisfaction to the firms increases when customers self-efficacy level increase. The self-efficacy manipulation is also performed under the two motive conditions (hedonic versus utilitarian) to show the moderating effect of the motives. This paper predicts that higher self-efficacy increases customer satisfaction to the firms while using SSTs but only when the consumptions happen based on utilitarian motives. Although the proposal suggests that hedonically driven brands may hurt customer satisfaction when using SSTs, further research should look into individual differences in which SSTs can still benefit the firm with hedonic products and services.



*IRNEST 2nd International Conference on Computer Engineering, Applied  
Sciences, Biotechnology, Robotics & Energy (ICCABRE)*

Shanghai, China

ISBN: 978-623-6577-80-5

***TRACK B***

***ENGINEERING, TECHNOLOGY & APPLIED SCIENCES***



## **Factor Analysis of the Impact of Energy Consumption, GDP and Carbon Dioxide Emissions in Japan**

<sup>1\*</sup>Yu Dan, <sup>2</sup>Bart Dewancker

<sup>1</sup>PhD Student, Department of Architecture, University of Kitakyushu, Japan, <sup>2</sup>Professor,  
Department of Architecture, University of Kitakyushu, Japan

Corresponding Email: 438994581@qq.com

---

**Keywords:** Energy Intensity; Factor Analysis Model; Energy Consumption Carbon  
Emission Intensity.

One of the top concerns of countries around the world is the mutual promotion and mutual restraint of energy, economy and environment. In order to study the impact of industrial structure and energy use efficiency on energy, economy and environment. This article takes Japan as an example and collects comprehensive annual energy consumption, GDP and carbon dioxide emissions data from 1965 to 2016. The factor analysis model is used to study the influence of structural factors and efficiency factors on energy intensity and carbon intensity of energy consumption, so as to find key areas for the development of energy-saving and emission reduction technologies.

## **Synthesis, Reactions and Biological Evaluation of Some Novel Thienothiophene Derivatives**

<sup>1</sup>Mounir A. A. Mohamed, <sup>2</sup>Hanan Salah, <sup>3\*</sup>Ahmed M. M. El-Saghier

<sup>1,2,3</sup>Chemistry Department, Faculty of Science, Sohag University, Sohag 82524, Egypt

Corresponding Email: el\_saghier@yahoo.com

---

**Keywords:** Somatic Gene Therapy, Shariah Framework, Islamic Principles.

A synthesis of some novel bis(chalcones)-based thienothiophene derivatives and studying their synthetic utilities as building blocks for novel bis(thiazole), bis(dihydro p yran), bis(dihydropyridine), bis(isoxazoles), bis(pyrazoles), bis(hydropyrimidinethiones), bis(tetrahydrodiazepines, oxazepines) and bis(dihydrobenzodiazepines, benzoxazepines) each linked to a thienothiophene core is reported. Biological evaluation of the obtained compounds as antibacterial agents was achieved.

## ***UP COMING EVENTS***

You can find the details regarding our upcoming events by following below:

<http://irnest.org/upcoming-conferences/>



International Research  
Network for Engineering  
Science and Technology

# VISION

**IRNEST is a dedicated platform to promote and encourage the latest advancements in Science, Engineering Technology & Applied Sciences for the benefit of human development through highly significant research contributions, conferences, and other professional, educational and mentoring activities.**

**[www.irnest.org](http://www.irnest.org)**