



EACN-18



CONFERENCE PROCEEDINGS

**FEAST INTERNATIONAL CONFERENCE ON ENGINEERING
TECHNOLOGY, APPLIED SCIENCES, COMPUTING & NETWORKING**

August 25-26, 2018

Mercure London Hyde Park Hotel, UK

EACN - 2018

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Review board

- Prof. Dr. Clive: University of Exeter
- Dr. Misha Isupov: University of Exeter
- Dr. Nick Le Brun: University of East Anglia
- Dr. Andrew Hemmings: University of East Anglia
- Dr. Tom Clarke: University of East Anglia
- Dr. Richard Strange: University of Liverpool
- Mr. Mohd Azhar Bin Abdul Rahman: Urban Development Authority of Malaysia (UDA)
- Dr. Myles Cheesman: University of East Anglia
- Dr. David Leys: University of Manchester
- Prof. David Garner: University of Nottingham
- Prof. Chris Schofield: University of Oxford
- Prof. Hagan Bayley: University of Oxford
- Dr. Michael Hough: University of Liverpool
- Mr. Bright Lumor MENSAH: Jilin University, School of International and Public Affairs (SIPA), China
- Dr. Nicholas Harmer: University of Exeter
- Prof. Andrew Thomson: University of East Anglia
- Prof. David Richardson: University of East Anglia
- Dr. Nick Watmough: University of East Anglia
- Dr. Fraser Macmillan: University of East Anglia
- Dr. Gunter Grossmann: University of Liverpool
- Prof. Dr. Surendra Kansara: Symbiosis Institute of Operations Management, India
- Prof. Nigel Scrutton: University of Manchester
- Prof. Andrew Munro: University of Manchester
- Dr. Jon McMaster: University of Nottingham
- Prof. Ben Davis: University of Oxford
- Prof. Vilmos Fulop: University of Warwick
- Dr. Svetlana Antonyuk: University of Liverpool
- Prof. Doc Sharifah Hayaati Syed Ismail: University of Malaya, Kuala Lumpur Malaysia

Conference Program Overview

09:00 am 09:10 am
Welcome Reception & Registration
09:10 am 09:20 am
Introduction of Participants
09:20 am 09:30 am
Welcome Notes - Conference Coordinator
09:30 - 10:00 am
Grand Networking Session & Tea Break

Presentation Detail

DAY 01 Saturday (August 25, 2018)
Presentation Session (10:00 am 01:00 pm)
Session Chair: Dr. Charlotte H.

Track: Engineering & Technology, Computer, Basics & Applied Sciences

Zhong Xuemin & Liu Hongqi	An Identification Method of Squareness Errors Based on Volumetric Error Model in Machine Tools	EACN-AUG-101
Daeun Kim	A Study on Ransomware Cryptographic Key Recovery Method through Analysis of Existing Recovery Cases	EACN-AUG-118

Track: Business Management & Social Sciences

Bruno Coric	Changes in Output Volatility in International Historical Perspective	RSEB-AUG-104
Beskida Dorda	Leadership's Relationship in the Banking Sector According to Leader-Member Exchanges (LMX) Theory and Employees' Experience	RSEB-AUG-121
Shah Md Ahsan Habib	Challenges of Trade Services by Banks: Bangladesh Perspective	RSEB-AUG-139

Attendees Details

Liu Hongqi	National NC System Engineering Research Center, Huazhong University of Science and Technology, Wuhan 430074, PR China
Anca Szalavicz	ASA, Architectural Designs, South Africa
Abbas Ahmed Alyami	Saudi Cultural Bureau London, UK

2nd Day (August 26, 2018)

All respective guests are free to conduct their own sightseeing and tour. The second day of the event is reserved for this memorable purpose.

An Identification Method of Squareness Errors Based on Volumetric Error Model in Machine Tools

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ABSTRACT

The geometric error is one of the most important factors affecting the machining accuracy in the machine tool. The geometric errors of the machine tool include the position dependent geometric errors (PDGEs) and the position independent geometric errors (PIGEs), and the squareness errors are important PIGEs influencing the volumetric error largely. The measurement of the squareness errors are usually with low accuracy or low efficiency. New method to obtain the accurate value of squareness errors to improve the volumetric accuracy is in demand. This paper proposes a new method to identify the squareness errors of machine tools considering the volumetric accuracy based on the volumetric error model. The volumetric error model based on screw theory is proposed and then the identification method for the squareness errors is deduced in theory considering a 3-axis horizontal machine tool. Experiments have verified that the 3 identified squareness errors are in accordance with the measured squareness within the accuracy range. The identification method also reduces time for measuring the squareness errors. Moreover, compared with the traditional measurement of squareness errors, the identification method shows more effective in the volumetric error evaluation process.

KEYWORDS

Volumetric Error Model; Squareness Error; Error Identification; Laser Interferometer.

A Study on Ransomware Cryptographic Key Recovery Method through Analysis of Existing Recovery Cases

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ABSTRACT

Every year new Ransomwares are appearing, such as Wannacry and Jaff, and the damage scale is increasing. Prevention such as data backup is important to defend Ransomware. So, AV companies and government agencies are more focused on prevention in advance. But research is needed into recovering ransomware infected file for the existing Ransomware victims and future victims. This paper analyzes the case of Ransomware being previously restored. We analyzed what technologies recovered Ransomware and refined them. By reviewing the existing recovery technologies, we will examine whether it can be applied to other Ransomware that has not been recovered so far. Finally, We summarize the processes of the currently recovered ransomware, We suggest a way to check the recoverability of the new Ransomware analysis.

KEYWORDS

Ransomware Cryptographic, Key Recovery, Recovery Cases.

A Study on Ransomware Cryptographic Key Recovery Method through Analysis of Existing Recovery Cases

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Every year new Ransomwares are appearing, such as Wannacry and Jaff, and the damage scale is increasing. Prevention such as data backup is important to defend Ransomware. So, AV companies and government agencies are more focused on prevention in advance. But research is needed into recovering ransomware infected file for the existing Ransomware victims and future victims. This paper analyzes the case of Ransomware being previously restored. We analyzed what technologies recovered Ransomware and refined them. By reviewing the existing recovery technologies, we will examine whether it can be applied to other Ransomware that has not been recovered so far. Finally, We summarize the processes of the currently recovered ransomware, We suggest a way to check the recoverability of the new Ransomware analysis.

KEYWORDS

Ransomware, Cryptographic, Recovery Cases.

Changes in Output Volatility in International Historical Perspective

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ABSTRACT

The paper investigates the historical variations in output volatility in 38 OECD and non OECD countries over the last two centuries. The tests for discrete changes in volatility reveal significant breaks in output volatility in 37 out of 38 countries. The number of breaks and the years in which the breaks are detected differ across countries. The panel analysis employed to investigate these changes shows that the main portion of the variations in output volatility over the last two centuries can be related to economic disasters. The results also suggest the important effect of economic policy on output volatility.

KEYWORDS

Output Volatility; Structural Changes; Monetary Policy; Economic Disasters.

Leadership's Relationship in the Banking Sector According to Leader-Member Exchanges (LMX) Theory and Employees' Experience

Beskida Dorda

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ABSTRACT

Leadership is one of the main elements that affects job satisfaction in every organization. The level of job satisfaction perceived by employees, in many cases depends on the human relationships among people that held different job positions. The paper investigates on how banking employees evaluate the level of leader-member exchange of their organization. It explores how this relationship is considered according to them. This paper aims to study the level of leader-member exchange through LMX theory in banking sector related to the experience of their employees. Information is gathered through questionnaires, which are distributed to several banks. These banks operate in the capital of Albania, Tirana. The papers results show that banks have moderate leadership style according LMX theory. It reveals also that results of LMX theory are affected from the period of time employees have dedicated to the company. Employees that had different periods of time working in the current job resulted with different considerations about the relationship leader-follower.

KEYWORDS

Banking Sector, Job Satisfaction, Leader-Member Exchanges (LMX), Organization Performance.

Challenges of Trade Services by Banks: Bangladesh Perspective

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ABSTRACT

The paper attempts to examine the challenges of trade services by banks with special reference to Bangladesh. Trade facilitation by banks in Bangladesh is particularly crucial when involvement of banks is significant in the countrys trade facilitation. The paper concludes that trade based money laundering and compliance risks are required to be addressed for effective trade services in the country.

KEYWORDS

Documentary Credit, Open Account, Trade Based Money Laundering.

UPCOMING CONFERENCES

EACN
August 25-26

ITDE
September 22-23

LEAS
October 20-21

CEAS
September 29-30

PLAS
October 27-28

CITS
November 17-18

NAEM
December 22-23

DEA
Jan 12-13, 2019

ERI
Feb 09-10, 2019

AIT
March 16-17, 2019

IBA
April 13-14, 2019

