

ABSTRACT PROCEEDING

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EIAE-JUNE-2019

Venue: Paris, France

Date: June 08-09, 2019



Association of
Engineering Technology
& Applied Sciences

AETA International Conference on Emerging Research in Information Technology, Applied Sciences, Engineering & Computing (EIAE)

Conference organized by:



Association of Engineering Technology & Applied Sciences (AETA) aims to provide a forum for researchers, practitioners, and professionals from the industry, academia and government to discourse on research and development, professional practice in engineering technology and applied sciences..

Mission, Innovative Features & Ethics and Values

AETA is an organization aims to provide a platform to innovative academicians and researchers around the globe. The organization also encourages research activities by organizing research training workshops, conferences and publishing high quality research manuscripts in reputable international journals.

AETA is a dedicated platform to promote and encourage the latest advancements in Science, Engineering Technology & Applied Sciences for the betterment of human development.

We are passionate about discovering new ways to create value for our members and society. Driven by intellectual curiosity, we promote a culture of invention among all our delegates.

Membership, Conference, Publishing, and Research Information

Abstracts of the registered participants will be published in the conference abstract book with an ISBN.

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Welcome Message

AETA International Conference on Emerging Research in Information Technology, Applied Sciences, Engineering & Computing (EIAE)

We are happy you decided to join your colleagues from around the world to explore innovative technologies, pioneering pedagogical strategies, and a sampling of international collaborations that are being used to engage and retain students, researchers and Scholars in the new millennium.

Scientific Committee

Prof. Kaninda Musumbu, LaBRI , Universite Bordeaux 1, France

Prof. Figueira, F. M. Monteiro, ULHT - Universidade Lusofona, Portugal

Dr. Ahmad Fairuz Bin Omar, School of Physics, University Science Malaysia, Malaysia

Dr. Le Hoang Son, Hanoi University of Science, Viet Nam National University, Vietnam

Dr. Emil Pricop, Petroleum-Gas University of Ploiesti, Romania

Prof. Viacheslav Pshikhov, Southern Federal University, Russian

Prof. Chomtip Pornpanomchai, Faculty of Information and Communication Technology, Mahidol University, Thailand

Prof. Anjaiah Devineni, Manipal University, India

Prof. Dong-Chul Park, Myong Ji University, Korea Prof. Mohamed Ben Haj Frej, POST University, USA

Abdulrhman.A.A.Emhemed, Assistant Professor, College of Technical Sciences-Bani walid, Libya

Acknowledgements

The organizing committee would like to thank all those people who were involved in making the conference a success. A great amount of planning and organizing is required to hold a successful conference, so we are indebted to those who volunteered their time and energy.

We want to thank all the members of the Association of Engineering Technology & Applied Sciences who volunteered their time to help organize the conference.

Engineering & Technology Studies

Acoustical engineering Agricultural engineering Aquacultural engineering Aquatic and environmental engineering Architectural engineering Army engineering maintenance Atomic engineering Aviation engineering B Biological interface engineering Biomechanical engineering Bioresource engineering Broadcast engineering Building services engineering C Ceramic engineering Chemical engineering Civil engineering Civionics Climate engineering Cloud engineering Collaborative engineering Computer engineering Computer-aided engineering Computer-aided production engineering Construction engineering Control engineering Cost engineering D Detailed engineering E Earthquake engineering Ecological engineering Electrical engineering Electronic engineering.

Accounting

Accounting Practices, Financial Modeling, Financial Analysis, Financial Statistics, Future Markets, Risk, New Trends for Accounting and Finance, Research for Accounting, Tax Theories and Practices, Tax Avoidance, Invasion and Extraction from Tax Invasion, Corporate Finance, Finance Theories, Money, Credit and Banking, Stock, Currency and Bonds, Commodity

Computational Engineering

computational science and engineering (CSE) is a relatively new discipline that deals with the development and application of computational models and simulations, often coupled with high-performance computing, to solve complex physical problems arising in engineering analysis and design (computational engineering) as well as natural phenomena (computational science). CSE has been described as the "third mode of discovery" (next to theory and experimentation).[1] In many fields, computer simulation is integral and therefore essential to business and research. Computer simulation provides the capability to enter fields that are either inaccessible to traditional experimentation or where carrying out traditional empirical inquiries is prohibitively expensive. CSE should neither be confused with pure computer science, nor with computer engineering, although a wide domain in the former is used in CSE (e.g., certain algorithms, data structures, parallel programming, high performance computing) and some problems in the latter can be modeled and solved with CSE methods (as an application area).A Agent-based computational economics Algorithmic art Artificial intelligence Astrominformatics Author profiling B Biodiversity informatics Biological computation C Cellular automaton Chaos theory Cheminformatics Code stylometry Community informatics Computable topology Computational aeroacoustics Computational archaeology Computational astrophysics Computational auditory scene analysis Computational biology Computational chemistry Computational cognition Computational complexity theory Computational creativity Computational criminology Computational economics Computational electromagnetics Computational epigenetics Computational epistemology

Interdisciplinary

Children and Youth, Communications and Media, Complex Systems, Conflict resolution, Creativity, Culture, Disaster Management, Discourse, Film studies, Gender studies, Globalization, HIV/AIDS, Human Rights, Identity, LGBT Studies, Leadership, Memory, Multidisciplinary Studies, Poverty, Public Policy, Security, Sexuality and eroticism, Spirituality, Sport science, Sustainable development, Urban studies, Violence Women's studies

General Economics, Economic Development, Technological Change and Growth

Microeconomics, Household Behavior and Family Economics, Economic Development , Sustainable Development, Eco-Development, Production and Organizations, Welfare Economics, Macroeconomics and Monetary Economics, International Economics, Public Economics, Analyses of Economic Development, Agriculture; Natural Resources; Energy; Environment; Other Primary Products, Human Resources; Human Development; Income Distribution; Migration, Economic Development: Financial Markets; Savings and Capital Investment; Corporate Finance and Governance, Regional, Urban, and Rural Analyses, International Linkages to Development; Role of International Organizations, Fiscal and Monetary Policy in Development, Trade Policy; Factor Movement Policy; Foreign Exchange, Innovation and Invention: Processes and Incentives, Management of Technological Innovation and Research and Development

IT Business

Business for AI and Deep Learning, Technological Forecasting and Social Change, Business for Big Data, Internet of Things and Cloud Computing, Business for IT-driven Services, Information Systems and Informatics, ICT for Business, ICT for Education, Healthcare, Finance and Other Sectors, Large Scale Surveys and Analysis, HCI and Computers Human Behavior, Computers In Industry

Conference Schedule

AETA International Conference on Emerging Research in Information Technology, Applied Sciences, Engineering & Computing (EIAE)

Paris, France

June 08-09, 2019

09: 00 am 09: 20 am	Registration and Reception
09: 20 am 09: 30 am	Introduction of Participants
09:30 am 09: 40 am	Inauguration and Opening address
09: 40 am 09: 50 am	Grand Networking Session
09: 50 am 10: 00 am	Tea Break

AETA International Conference on Emerging Research in Information Technology, Applied Sciences, Engineering & Computing (EIAE)

**Day 01: Saturday
June 08, 2019**

Session 01: 10:00 am 11:00 am

Session Chair: N.V. David

Track A: Business, Economics, Social Sciences and Humanities

Presenter Name: Panornuang Sudasna Na Ayudhya

Reference ID: IRSSH-JUNE-02

Paper Title: Modelling the Multilingual Lexicon and Interlanguage Transfer

Presenter Name: Tunde Soneye

Reference ID: IRSSH-JUNE-15

Paper Title: The Integrated Waste Management and Sustainable Landfilling

Presenter Name: Giorgi Sulashvili & Nino Taruashvili

Reference ID: QSESS-069-ANI102 & QSESS-069-ANI102C

Paper Title: Development of Bank Innovations in Georgia

Session 02: 11:00 am 12:00 pm

Session Chair: Panornuang Sudasna Na Ayudhya

Track A: Engineering, Technology & Applied Sciences

Presenter Name: N.V. David

Reference ID: EIAE-06-P1

Paper Title: Anti-ballistic Performance of a Unidirectional Basalt Fabric Laminate System

Presenter Name: Rifki Terzioglu

Reference ID: EIAE-06-P4

Paper Title: Alternative Current Losses of Au-doped YBCO superconductors (Small and Medium Enterprises as a Model)

Closing Ceremony & Lunch

(12:00 pm 01:00 pm)

Conference Attendees

The following scholars/practitioners/educationist who don't have any paper presentation, however they will attend the conference as delegates & observers.

Participant Name: Cezar Birzea

Reference ID: IRSSH-JUNE-21

Country: National University of Political Studies and Public Administration, Romania

Participant Name: Iuliana Baiasu

Reference ID: IRSSH-JUNE-22

Country: National University of Political Studies and Public Administration, Romania

Participant Name: Sonia Dragomir

Reference ID: IRSSH-JUNE-23

Country: National University of Political Studies and Public Administration, Romania

Participant Name: Stanty Joju

Reference ID: EIAE-06-P5

Country: Mobtecnica Consultancy Pvt.Ltd., B7, Blu Mount Tower, Kusumagiri, Kakkanad, Ernakulam, PIN: 682030, Kerala, India

AETA International Conference on Emerging Research in Information Technology, Applied Sciences, Engineering & Computing (EIAE)

**Day 02: Sunday
June 09, 2019**

Conference second day is reserved for participants own tourism activities.

Conference Abstracts

Track A: Business, Economics, Social Sciences and Humanities

Modelling the Multilingual Lexicon and Interlanguage Transfer

Panornuang Sudasna Na Ayudhya*
Bansomdejchaopraya Rajabhat University, Bangkok
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The purposes of this study are to introduce and discuss the multilingual mental lexicon models and the argument concerning the notion of dynamic nature of multilingual language storing and processing. The models of Levelt (1993) and De Bot (2008) are included in the discussion, followed by a dynamic view of multilingualism proposed in the dynamic model of multilingualism (Herdina & Jessner, 2002). The issue of language transfer in the development of third-language (L3) learning is also identified and described in the present work at different related levels of language processing as the nature of the multilingual mental lexicon.

Index Terms: Multilingual, Mental Lexicon, Language Transfer

The Integrated Waste Management and Sustainable Landfilling

Tunde Soneye *

Tunsment Concept Global Nigeria Enterprises

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Waste management, being one of the most important aspects of urban development, is gaining importance among developing nations. Landfills, which were initiated for hazardous waste management and subsequently transformed into sanitary landfills, have been the most widely adapted practice for municipal solid waste management worldwide. The research were conducted over a 9 months period in 3 years on the operational strategy of the larger of the only two sanitary landfills and leachate treatment ponds in NIGERIA and sub-Sahara Africa. The purpose was to examine and evaluate the sanitary landfill and leachate stabilisation ponds against the backdrop of technically sound and sustainable management options. However, the conventional design of landfills not only fails to fulfill the needs of waste management but also fails to target optimal resource recovery and energy generation. In the present study, modified design was proposed for partially engineered landfill system based on theoretical considerations based on integrated and sustainable principles that can deliver environmental, social and economic stability in the nation. Furthermore, It was found that the system with modified design could yield 2.157 million tons of landfill gas (2.145 million tons of coal equivalent) out of one year of solid waste. Further, this could recover resource valued at US\$16.49 million per year.

Index Terms: Sanitary Landfills, Sustainable and Integrated Solid Waste Management, Leachate Stabilisation Ponds, Lagos, Nigeria and Sub-Saharan Africa, Developing Economy

Development of Bank Innovations in Georgia

Giorgi Sulashvili ^{1*}, Nino Taruashvili ²,
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Global financial crises were experienced in recent years. The bank industry became the most sensitive field regarding the financial crisis. Because the risk are associated to all banking operation regardless the crisis, therefore the financial risk management should take place daily in financial institutions. As a result the main objective of all bank are: to reduce the risk level during the crisis and to remain the residual risk after the crises period. The successful function of the national economy depends on the financial and credit policy of the country. Banks are the country's financial and credit system. The activities of banking institutions are very diverse in the economy. The Bank is a division that produces and sells its products and deals with issues related to social needs. The bank is made on the basis of the profit received in the form of the socio-economic interests of the owners of the bank and its participants. Banks are especially dependent on the economic development of the national economy, ensuring economic growth in the country, determining the well-being of people, raising their standard of living and improving. Much depends on banking in modern conditions. Today, the banking system in our country offers an almost complete list of products that already exist in developed countries. One of the most important services is the service of plastic cards. The latter depends on the economic activities of banks..

Index Terms: Banking System, Bank Industry, Financial Crises, National Economy, Plastic Cards.

Conference Abstracts

Track B: Engineering, Technology & Applied Sciences

Anti-ballistic Performance of a Unidirectional Basalt Fabric Laminate System

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Contemporary military and other law enforcement operations are technology-driven with weapons and ammunition that demand a flexible, damage- and moisture-resistant, and lightweight protective materials with superior energy absorbing capacity. Ballistic fabrics made from high performance synthetic fibers such as para-aramid and natural fibers including basalt, and composites utilizing these fabrics, are among the leading materials for armor systems. Basalt fibers, which are extracted from igneous volcanic rocks, are natural fibers with mechanical and thermo-physical properties that are generally comparable or superior to glass and other synthetic fibers at a lower cost. This gives basalt-based composites an edge over existing materials for potential application as anti-ballistic protective panels. The aim of the present study is to experimentally determine the V50 performance and penetration resistance of a unidirectional woven basalt fiber laminated epoxy system at three different combinations of ply orientations [0, 45 and 90 degrees at both CW and CCW directions] consisting of 48 layers of the woven fabric. The V50 performance test was conducted in accordance to the MIL-STD-662F standard using the Universal Test Gun model UZ-2002. The V50 ballistic velocity are computed based on a minimum of six shots including three complete penetrations and three partial penetrations. The optimum number of layers of the basalt fabric to sustain the reference penetration velocity of 367 m/s corresponding to threat level II of the NIJ Standard-0101.04 are calculated for the current test specimen for future development.

Index Terms: Ballistic limit; V50, protective Armor, Basalt, Woven Fabric

Alternative Current Losses of Au-doped YBCO Superconductors

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Alternative Current (AC) susceptibility measurements is commonly used to investigate the magnetic shielding properties and magnetization AC losses of materials. In this work magnetization AC losses of Au doped YBCO superconductors are calculated from AC susceptibility measurements with materials which have different Au content. Magnetization AC losses were measured in different temperature values and different AC magnetic field amplitudes at 500 Hz. Magnetization AC Loss-temperature and magnetization AC Loss-magnetic field dependencies were examined. Also the shielding effect of Au doped YBCO superconductors were analyzed.

Index Terms: Magnetization AC, Shielding Effect, Loss-Magnetic Field

Upcoming Events

<https://association-eta.com/mrcm-july-19/>

<https://association-eta.com/ecit-july-19/>

<https://association-eta.com/itcg-aug-19/>

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