N2 Engineering Science April 2013 Memorandum

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N2 Engineering Science April 2013
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Local Student Among 5 in State to Receive Lieberman Scholarship
After a brief period of cooling off, NFTs may have completed their first market cycle, and new projects and platforms are breathing life back into the NFT ecosystem by building lasting communities and ...

The Rebirth Of NFTs: Moving Beyond The Initial Hype
From late 2013 ... April 2014 to January 2017. Prior to that Ms. Tan was Vice President, Engineering for Ariba, Inc. Ms. Tan also previously worked for 16 years at TIBCO Software, Inc., as well as for ...

WM Technology, Inc. Announces Public Company Board of Directors
China launched Chang'e 5 in November last year and 23 days later recovered a return capsule containing samples of what could be the youngest lunar rocks so far collected. That mission's backup, ...

China's Chang'e 6 mission will collect lunar samples from the far side of the moon by 2024
The students were awarded an associate of applied science degree in Department of the Air Force Leadership ... It all started with an idea in late 2013 and early 2014 when the then-director of the ...

Eaker Center school awards first civilian associate degrees
Impunity of the masterminds behind the murder of Buet Chhatra League leader Arif Raihan Dwip, continues to aggrieve his peers.

Dwip murder: relatives, former Buet BCL leaders decry impunity of masterminds
The successful candidate will under the company's overall strategy, lead Wade collection business developing strategic growth roadmap and product pipeline, business growth opportunities and achieve ...

Golden Opportunities: Business Never Stops
Shumaker then told an undercover agent on the phone on April 24, 2020, that the air purifier "kills ... Jeffrey Siegel, a University of Toronto civil engineering professor who studies indoor air ...

Government oversight of COVID air cleaners leaves gaping holes
The controversy over results of this year's Unified Tertiary Matriculation Examination (UTME) conducted by Joint Admissions and Matriculation Board (JAMB) is yet to abate as ...

Stakeholders, JAMB disagree on 2021 UTME results
The couple married in 2013 and started the Straubel Foundation ... University Graduate School of Business in 2019 and a master's degree in management science and engineering the next year from ...

Boryana Straubel, 38, Dies; Founded a 'Green' Jewelry Company
The company offers advanced analytics, security and defense solutions, software engineering ... Notably, Leidos spun off Science Applications in 2013, post which the former retained most part ...

Science Applications (SAIC) Closes Halfaker and Associates Buyout
Plexxikon Appoints Chao Zhang, PhD, as CEO, and Marguerite Hutchinson, JD, as COO & General Counsel; Company Relocates to South San Francisco ...

Plexxikon Announces Key Executive Appointments; Dr. Chao Zhang Named Chief Executive Officer and Marguerite Hutchinson, JD, Named Chief Operating Officer
Behind Sabol's visit to Washington in January was a belief in something that was not true, a falsehood promoted for months by former President Donald Trump and repeated over and over again on social ...

PolitiFact: Misinformation and the Jan. 6 insurrection: When 'patriot warriors' were fed lies
China emulated US techniques to construct novel coronaviruses in unsafe conditions. In 2013, the American virologist Ralph Baric approached Zhengli Shi at a meeting. Baric was a top expert in ...

Inside the risky bat-virus engineering that links America to Wuhan
African start-ups are making waves and attracting more international interest. Here are seven of them in the spotlight.

Seven African start-ups shaking up the global tech ecosystem
Meanwhile, in April, the government approved plans to gradually release more than one million tonnes of contaminated water into the sea. A 2013 health risk assessment ... published in Environmental ...

The Fukushima nuclear disaster and the Tokyo Olympics
The former Buet unit leaders of the ruling party were speaking at a virtual meeting headed by Awami League Science and Technology ... of Prime Minister Sheikh Hasina. On April 9, 2013, Dwip, a ...

Dwip murder: Impunity of masterminds hurt ex-Buet students
Since April 2021, Majid Al-Refae ... with a bachelor's degree in industrial engineering in 2001. He received a master's degree in applied engineering management in 2013 from the Missouri University of ...

Teacher Education and Practice, a peer-refereed journal, is dedicated to the encouragement and the dissemination of research and scholarship related to professional education. The journal is concerned, in the broadest sense, with teacher preparation, practice and policy issues related to the teaching profession, as well as being concerned with learning in the school setting. The journal also serves as a forum for the exchange of diverse ideas and points of view within these purposes. As a forum, the journal offers a public space in which to critically examine current discourse and practice as well as engage in generative dialogue. Alternative forms of inquiry and representation are invited, and authors from a variety of backgrounds and diverse perspectives are encouraged to contribute. Teacher Education & Practice is published by Rowman & Littlefield.

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Two large international conferences on Advances in Engineering Sciences were held in Hong Kong, March 12–14, 2014, under the International MultiConference of Engineers and Computer Scientists (IMECS 2014), and in London, UK, 2–4 July, 2014, under the World Congress on Engineering 2014 (WCE 2014) respectively. This volume contains 37 revised and extended research articles written by prominent researchers participating in the conferences. Topics covered include engineering mathematics, computer science, electrical engineering, manufacturing engineering, industrial engineering, and industrial applications. The book offers tremendous state-of-the-art advances in engineering sciences and also serves as an excellent reference work for researchers and graduate students working with/on engineering sciences. Contents:Switching Boundaries for Flexible Management of Natural Resource Investment under Uncertainty (T Tarnopolskaya, W Chen and C Bao)Using Exotic Option Prices as Control Variates in Monte Carlo Pricing Under a Local-

Stochastic Volatility Model (Geoffrey Lee, Zili Zhu and Yu Tian)Multi-period Dynamic Portfolio Optimization through Least Squares Learning (C Bao, Z Zhu, N Langrené and G Lee)On General Solution of Incompressible and Isotropic Newtonian Fluid Equations (A A Maknickas)On the Inversion of Vandermonde Matrix via Partial Fraction Decomposition (Yiu Kwong Man)Fractal Fourier Coefficients with Application to Identification Protocols (Nadia M G Al-Saidi, Arkan J Mohammed, Elisha A Ogada and Adil M Ahmed)Scheduling Algorithm with Inserted Idle Time for Problem P|prec|Cmax (N S Grigoreva)Iterative Scheme for a Common Solutions of Equilibrium Problems, Variational Inequality Problems and Fixed Point Problems (Wichan Khongtham)Three-steps Iterative Method for Common Fixed Points, Variational Inclusions, and Equilibrium Problems (Yaowaluck Khongtham)Euler's Constant: A Proof of its Irrationality and Transcendence by means of Minus One Factorial (Okoh Ufuoma)Solution of Problem on Heat and Mass Transfer with Chemical Reaction over an Exponentially Accelerated Infinite Vertical Plate (A Ahmed, M N Sarki and M Ahmad)Improving Human Resource Security of a Data Centre: Case Study of a Hong Kong Wines and Spirits Distribution Company (Hon Keung Yau and Alison Lai Fong Cheng)Model to Measure University's Readiness for Establishing Spin-offs: Comparison Study (Wahyudi Sutopo, Rina Wiji Astuti, Yuniaristanto, Agus Purwanto and Muhammad Nizam)Preliminary Study of Solar Electricity using Comparative Analysis (Wahyudi Sutopo, Dwi Indah Maryanie, Agus Purwanto and Muhammad Nizam)Tactile Memory for Different Shapes: Implications for Shape Coding in Man-machine Interfaces (Annie W Y Ng and Alan H S Chan)Ergonomics Recommendations for Control Station Work with Head Rotation (Steven N H Tsang, Stefanie X Q Kang and Alan H S Chan)A Methodological Approach to Affective Design (Youngil Cho and Sukyoung Kim)Data Analysis by Diminishing Rates of Change and ℓ_1 Approximation (I C Demetriou and S S Papakonstantinou)Comparing Naïve-Bayes Network Structures over Multiple Dataset (Haruna Chiroma, Abdulsalam Ya'u Gital, Adamu I Abubakar, Sanah Abdullahi Muaz, Jaafar Z Maitama and Tutut Herawan)Route Recommendation Method Based on Driver's Estimated Intention Considering Route Selection with Car Navigation (Keisuke Hamada, Shinsuke Nakajima, Daisuke Kitayama and Kazutoshi Sumiya)Adaption of the Inertia Weight using a Novel Sine-based Chaotic Map for Particle Swarm Optimization (Yu-Huei Cheng)Fast Characterization of Intravascular Tissue by Subspace Method using Target Tissue's Neighborhood Information (Shota Furukawa, Eiji Uchino, Shinichi Miwa and Noriaki Suetake)Swarm Intelligent Control Object's Movement Simulation in Net-centric Environment using Neural Networks (Viacheslav Abrosimov)The Concept of Project Time Management with the Fuzzy Buffers Approach (Błaszczyk Paweł and Błaszczyk Tomasz)Data Driven Methods for Adaptation of ASR Systems (Akella Amarendra Babu, Yellasiri Ramadevi and Akepogu Ananda Rao)Semantic Web Improved by Including Class Information with the TFIDF Algorithm (Jyoti Gautam and Ela Kumar)Urban Drainage in the Metropolitan Region of Belém, Brazil: An Urbanistic Study (Juliano Pamplona Ximenes Ponte and Ana Júlia Domingues Das Neves Brandão)Finger Based Techniques for Nonvisual Touchscreen Text Entry (Mohammed Fakrudeen, Sufian Yousef, Mahdi H Miraz and Abdelrahman Hamza Hussein)LTE Downlink and Uplink Physical Layer (Temitope O Takpor and Francis E Idachaba)New Dielectric Modulated Graphene (DMG) FET-Based Sensor for High-performance Biomolecule Sensing Applications (Faycal Djeffal, Abdelhamid Benhaya, Khalil Tamersit and Mohamed Meguellati)Modelling and Optimization of Avalanche Photodiode Electrical Parameters using Multiobjective Genetic Algorithm (Toufik Bendib, Lucio Pancheri, Faycal Djeffal and Gian-Franco Dalla Betta)Experimental Study of Impact of Ship Electric Power Plant Configuration and Load Variation on Power Quality in the Ship Power Systems (Tomasz Tarasiuk, Andrzej Pilat, Mariusz Szweda, Mariusz Gorniak and Zenon Troka)Studying of Electroencephalographic Signal Changes Induced by Odor Exposure (Rita Jorge Cerqueira Pinto, Isabel Patrícia Pinheiro Peixoto Xavier, Maria Do Rosário Alves Calado and Sílvio José Pinto Simões Mariano)DC Motor Speed Control using FGPA (Ahmed Telba)Pellistor Gas Sensor Performance: Interface Circuitry Analysis (Hauwa Talatu Abdulkarim)Extended Research on Prefilter Bandwidth Effects in Asynchronous Sequential Symbol Synchronizers based on Pulse Comparison by both Transitions at Half Bit Rate (Antonio D Reis, Jose F Rocha, Atilio S Gameiro and Jose P Carvalho)Models of Organizational Change for Modernizing Pollution Warning Services (Anca Daniela Ionita and Mariana Mocanu) Readership: Professionals, academics and graduate students in electrical & electronic engineering, computer engineering, industrial engineering and mathematics. Key Features:This volume contains revised and extended research articles written by prominent researchers participating in the conferencesThe book offers the state of art of tremendous advances in engineering sciencesThe book can also serve as an excellent reference work for researchers and graduate students working with/on engineering sciencesKeywords:Engineering Mathematics;Computer Science;Electrical Engineering;Manufacturing Engineering;Industrial Engineering;Industrial Applications

The general theme of MEDICON 2013 is "Research and Development of Technology for Sustainable Healthcare". This decade is being characterized by the appearance and use of emergent technologies under development. This situation has produced a tremendous impact on Medicine and Biology from which it is expected an unparalleled evolution in these disciplines towards novel concept and practices. The consequence will be a significant improvement in health care and well-fare, i.e. the shift from a reactive medicine to a preventive medicine. This shift implies that the citizen will play an important role in the healthcare delivery process, what requires a comprehensive and personalized assistance. In this context, society will meet emerging media, incorporated to all objects, capable of providing a seamless, adaptive, anticipatory, unobtrusive and pervasive assistance. The challenge will be to remove current barriers related to the lack of knowledge required to produce new opportunities for all the society, while new paradigms are created for this inclusive society to be socially and economically sustainable, and respectful with the environment. In this way, these proceedings focus on the convergence of biomedical engineering topics ranging from formalized theory through experimental science and technological development to practical clinical applications.

Computational Science and Engineering contains peer-reviewed research presented at the International Conference on Computational Science and Engineering

(RCC Institute of Information Technology, Kolkata, India, 4-6 October 2016). The contributions cover a wide range of topics: - electronic devices - photonics - electromagnetics - soft computing - artificial intelligence - modern communication systems Focussing on strong theoretical and methodological approaches and applications, Computational Science and Engineering will be of interest to academia and professionals involved or interested in the above mentioned domains.

This book gathers a selection of invited and contributed lectures from the European Conference on Numerical Mathematics and Advanced Applications (ENUMATH) held in Lausanne, Switzerland, August 26-30, 2013. It provides an overview of recent developments in numerical analysis, computational mathematics and applications from leading experts in the field. New results on finite element methods, multiscale methods, numerical linear algebra and discretization techniques for fluid mechanics and optics are presented. As such, the book offers a valuable resource for a wide range of readers looking for a state-of-the-art overview of advanced techniques, algorithms and results in numerical mathematics and scientific computing.

This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

The parties of the United Nations Framework Convention on Climate Change (UNFCCC) attained the Paris Agreement to tackle climate change and to strengthen the actions required for a sustainable transition towards an environmentally friendly future. This transition will involve holistic approaches and multifaceted societal shifts, requiring answers and collaboration between private, public, and academic sectors. This book gathers together contributions which study the transition towards a more sustainable future, involving and identifying the development and implications of more sustainable alternatives, in collaboration with all relevant stakeholders (e.g. communities, firms, policy makers, researchers, etc.), to achieve this transition. The approaches proposed are all concerned with a common perspective: imaging our globe with a greener picture, built upon a transversal sustainable revolution to clean up the Earth.

Two large international conferences on Advances in Engineering Sciences were held in Hong Kong, March 13-15, 2013, under the International MultiConference of Engineers and Computer Scientists (IMECS 2013), and in London, U.K., 3-5 July, 2013, under the World Congress on Engineering 2013 (WCE 2013) respectively. IMECS 2013 and WCE 2013 were organize

This book examines the interaction between art, design, technology and the social sciences. It features 56 papers that were presented at the International Symposium on Research of Arts, Design and Humanities, ISRADH 2014, held at Sutera Harbour Resort, Kota Kinabalu, Malaysia. Complete with helpful diagrams and tables, the papers cover such topics as artificial reef development, racial discourse in the social media, stoneware as a replacement material for modern ventilation walls, and factors contributing to internet abuse in the workplace. Overall, the coverage focuses on global design trends and demands with an emphasis on people, business and technology. Inside, readers will find information on art and science in industrial applications; art management and entrepreneurship; cognitive, psychological and behavioral science; design technology and sustainable development; humanities and social applications in quality of life; social implications of technology; and visual communication and technologies. Taking a multi-disciplinary approach, the book features insightful discussions among academicians and industrial practitioners on the evolution of design that will appeal to researchers, designers and students.

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