

Preface

Linton University College, Malaysia and Cafet Innova Technical Society (CITS), Hyderabad, India are jointly organizing International Conference on Advanced Engineering and Information Technology [ICAEIT-2017] during 7th-9th December 2017. The conference aims to bring together and provide a platform for Researchers, Engineers, Scientists, Academicians as well as Industrial Professionals from all over the globe to present, share and exchange their research results and developmental activities about all parts of civil engineering. This conference is unique in itself due to fusing various specializations related to Engineering and Information Technology, which helps the delegates to exchange their experiences face to face, establish the research relations and to find global partners for future research collaboration.

About LINTON UNIVERSITY COLLEGE

Linton comes under the TSEG, which embodies three other constituting colleges and altogether we provide a diverse array of programmes in engineering, built environment, information technology, business and accounting, and applied and visual arts. Linton aligns itself with the group's ambitious mission to forge a holistic and cultural economy that will contribute positively towards education, arts, and culture while enhancing the international reputation of Malaysia and its people. In line with this philosophy, Linton takes an approach to education that places emphasis on learning and personal development as an ongoing and universal process, and not one that is confined to the classroom, textbook or lecture hall. At our institutions, students learn within a nurturing and accepting environment cultivated by teachers who care about their personal and academic development and live in inclusive campuses where they can pursue their interests in a diverse and international setting. Our goal is to be a spark in our students' lives – enabling them to find their purpose, giving them the tools to strengthen their skills and the inspiration to make their dreams a reality – all within a campus that helps them appreciate the very best that tertiary education has to offer.

About CITS

The CAFET-INNOVA Technical Society (CITS) is an international non-profit organization helping the scientific community, laid its foundation in 2007 in Hyderabad, India. The main motto of CITS is to encourage the young talent towards the field of Research and Development (R&D) and harness their intellectual abilities for the betterment of the industry. CITS has been organizing various International/National Conferences, Workshops and Guest lecturers etc., across the world. CITS has been publishing international journals like International Journal of Earth Sciences and Engineering (IJEE) ISSN 0974-5904 [SJRI 0.17; H-index 4 & CSIR-NISCAIR, INDIA IF-0.13] is indexed in Scopus, Compendex, Crossref, Geobase (products hosted on Engineering Village) Elsevier, Amsterdam, Netherlands, Geo-Ref Information Services-USA and it emphasizes on earth sciences and engineering. International Journal of Coastal and Ocean Research (IJCOR) ISSN 2454-7883, which focuses on theoretical, experimental, computational, field oriented and other innovative ideas of research in the fields of Coastal and Ocean Engineering and Geo-informatics applications worldwide. International Journal of Biological Sciences and Engineering (IJBE) ISSN 0976-1519 is indexed in Directory of Open Access Journals (DOAJ), USA and it focuses on biological sciences and engineering. International Journal of Industrial Electronics, Control and Robotics (IJICR) ISSN 2231-4903 focuses on electronics, electrical and mechanical engineering. International Journal of Engineering and Science Students (IJESS) ISSN 2278-7607 aims at providing a platform to young researchers in the fields of science and engineering. It is one of the World's first free student international journals to exclusively highlight the research contribution of undergraduate, Postgraduate and Research students in the field of engineering and science. The journal believes that the true research potential of students can be realized by encouraging them to participate in research and acknowledging their achievements.

After 10 years of its existence, CITS has organized more than 35 national and international conferences, workshops, symposiums on its own banner and in association with various reputed universities from all over the globe.

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Technical Associations

Basha Research Corporation, Singapore

The Basha Research Corporation (BRCORP) aims at providing services to accelerate the scientific research globally, with a prime objective of bridging the gap between the scientific world and academic community. The organization is focused on creating discussion forums for technology innovation, platform to share research ideas, guidance to science investigators and publishing the associated literature. The insight of a strong visionary, founded Basha Research Corporation with a mission to exaggerate its services globally and attain the unreachable. The strong values and dedicated resources of this organization shall make it competent with leading research and development service providers, technical committees and periodical publishers worldwide. [<http://basharesearch.com/>].

RM Vision Minds Private Limited, Hyderabad, India

RM Vision Minds Technologies is a global software services company focusing on Software Development and Products. We provide a complete suite of IT services in the business applications domain, specializing in multiple verticals including financial services, education and allied industries. Technology leadership is the most successful strategy to challenge competitors and consolidate our position since business and technology work hand in hand. Our firm's belief in this synthesis has motivated and enabled us to deliver solutions with a decisive competitive advantage. RM Vision Minds Technologies, today, is a new generation framework of technology innovators to accelerate growth. RM Vision Minds Technologies is best at offering fully fledged services for software development and engineering empowering effective near-shore management to its clients.

Kumamoto International Foundation, Japan

The KIF, a public service organization, was established by Kumamoto City in March of 1993 for the purpose of fostering an awareness of the international exchange and international cooperation activities. We formed supporting membership programs to help as many Kumamoto citizens and foreign residents as possible to understand and support our foundation, as well as to participate in our many internationally-oriented activities.

Universiti Malaysia Kelantan, Malaysia

In line with the government's vision to propel the country to become a high-income nation, UMK aspires to help perpetuating this noble intention by making headway in proliferating the human capital so as to spur on the country's development. Since its inception in 2007, UMK has been steadily instrumental in championing entrepreneurship education in Malaysia in order to produce multitalented graduates. Centralising on the concept, "Entrepreneurship is Our Thrust", efforts in upholding entrepreneurship education would be unavailing without efficient and effective manpower. Advancing on the platform of excellence, YBhg. Prof. Dato' Dr. Mortaza Bin Mohamed, the Vice Chancellor, at the head of the university together with staunch supports from the top management as well as the stalwarts of academicians, they have all prepared UMK to become a reputable institution of higher learning in offering programmes of high quality that meet market demand. Starting off with only four programmes (Creative Technology, Heritage, Entrepreneurship & Business and Applied Science – Agricultural Technology Entrepreneurship), now UMK offers twenty-seven diversified programmes at five different faculties in conjunction with the current demand and development of the industry. In preparation for a further solid development on the human capital, assistance is sought from a steadfast support system so as to meet the demand of the stakeholders. The indefatigable support staff and efficient ecosystem have contributed in providing a conducive and consilient learning environment for students. In tandem with modern advancement, UMK is now ready to explore all the possibilities.



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MESSAGE

I am delighted to know that the International Conference on Advanced Engineering and Information Technology (ICAEIT 2017) is being organized jointly by Linton Univeristy College, Martin, Malaysia and Cafet-Innova Technical Society, Hyderabad, India during 7th - 9th December, 2017.

I am happy to note that International Conference is aimed at highlighting research innovativies in engineering and information technology. Cafet Innova Technical Society team is very happy to collaborate and join for the success of the conference as a research collaboration. Selected papers from ICAEIT 2017 will be considered for the publication in reputed Journals like “International Journal of Earth Sciences and Engineering (IJEE)”, publishing by Cafet Innova Technical Society.

I am pleased to extend our collaboration with Universiti Malaysia Kelantan, Malaysia; Basha Research Corporation, Singapore; Kumamoto International Foundation (KIF), Japan and RM Vision Minds Technologies Pvt. Ltd., India for their technical and reserch collaboration. I would like to congratulate the Prof. Deepak T J, Organizing Chair and his team for organizing and supporting such an excellent international event.

I thank Dr. Raju Aedla, Founder & Secretary General, CITS, who took responsibility to bring all into a common platform and making it to a grand success. I also thank Dr. Hafeez Basha R, Founder, CITS for his continuous technical support for the conference.

I am confident that the three day conference will serve as a platform for exchanging the scientific & technical ideas among the participants belongs various research backgrounds.

I wish the conference a grand success.

D.Venkat Reddy

Kamis Awang
Vice Chancellor
Linton University College,
Martin, MALAYSIA

MESSAGE

List of Papers

Plenary Papers

Sl.No.	Paper Title and Author Names
1	Prof. Shuichi TORII, Kumamoto University, JAPAN
2	Prof. Takashi Watanabe, Kumamoto University, JAPAN
3	Prof. (Dr.) Sam Man Keong, Immediate Past President,, Singapore Institute of Engineering Technologists (SIET), Singapore
4	Dr. Lai Fook Chuan, Director-R&D, Hume Concrete Company, Malaysia
5	Mr. Bert de Munck, Director, Plus Three Consultants, United Kingdom
6	Dr. P. Visweswara Rao, University malaysia Kelanthan, Malaysia
7	Dr. S Kumar Reddy, NIRM, Karnataka, INDIA
8	Dr. J Bhagavan Reddy, NMREC, Hyderabad, INDIA
9	Dr. Venkata Dilip Kumar PMahindra École Centrale, INDIA

Authors Papers

Sl.No.	Paper Title and Author Names
1	Business Intelligence For Small-Scale It-Based Entrepreneurship In Malaysia ALINASWE SIKANA, AMANDA PERCY KINSI, MIA TORRES-DELA CRUZ AND ILLIANA AZIZAN
2	General Review Of Green Building Index (GBI) In Malaysia: The Needs Of Sustainable Development In Construction DEEPAK T J, KAMIL M AND SHANTHI M
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