



# Global Trends: Visions, Opportunities and Challenges for a Sustainable Future

## Proceedings of the International Conference on Global and Emerging Trends (ICGET)

• 2 – 4 MAY 2018 •

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# FOREWORD

Dear Authors and Esteemed Readers,

It is with deep fulfilment that I write this foreword to the maiden edition of the Proceedings of the International Conference on Global and Emerging Trends (ICGET) 2018, held at Abuja, Nigeria with sessions held in parallel at Johor Bahru, Malaysia on May 2 – 4, 2018. The conference theme is 'Global Trends: Visions, Opportunities & Challenges for a Sustainable Future'. As the maiden event in the series, ICGET 2018 provides a forum for reporting the latest developments in global and emerging trends from multidisciplinary perspectives. I am pleased to present the proceedings of the conference as its published record.

A total of 83 submissions were received, of which 55 were accepted. 41 were presented in Nigeria, 12 in Malaysia, and 2 online. There were also several non-presenting participants and observers who were present for the sheer purpose of learning. ICGET participants represent 3 continents and 5 countries. The paper submission and reviewing process was managed using the Microsoft Conference Management Tool (CMT), and every paper was reviewed by minimum of two reviewers with Ph.D in the respective field. Though the CMT learning curve was steep for many of the authors and reviewers, it represented a good experience in line with the conference theme. We thank all authors and participants for their contributions and for their patience and willingness to learn. We are most grateful to the external reviewers, for their hard work in the prompt and sound review of submissions. Much appreciation also goes to the secretariat and publication team for their commitment, availability and support for authors and reviewers during the entire process.

There were two invited keynote presentations, a workshop and two plenary sessions addressing issues related to the conference theme. Dr. Mohamed Kasim Abdul Jalil, Associate professor of Mechanical Engineering from Universiti Teknologi Malaysia presented the first keynote on 'Global Trends in Higher Education: Challenges and Opportunities' while Mr. Chet W. Sisk, Futurist and Founder of Lead Global, from Denver, Colorado, spoke on 'Moving from Profit to Abundance: Trends Indicating the Rise of the Ubuntu Economy' in the second keynote. The two keynote addresses presented the conference theme from academic and secular perspectives respectively. There were plenary presentations on 'The future of social interactions and networking' and 'International Development Opportunities for Researchers & Academics'. Together, the various sessions lent exceptionally rich perspectives to the conference theme. The conference program represents the efforts of many people, including the indefatigable members of the local and international organizing committee, to whom gratitude alone is insufficient.

This book of Proceedings will serve as an excellent reference book that will inspire further study and research in the areas covered. ICGET 2018 is the first in the series, and though by no means perfect, it stands out as a noble attempt at something great.

We look forward to the future with you.

Thank you.

The Editors, ICGET 2018

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## CONFERENCE CHAIRS



**Prof. Nor Haniza Sarmin**  
*Universiti Teknologi Malaysia*

It is our pleasure to welcome you all to the maiden edition of the International Conference on Global & Emerging Trends (ICGET). The theme of the conference is '*Global Trends: Visions, Opportunities and Challenges for a Sustainable Future*', hence, discussions, presentations and other activities during these three days will focus on this description of the journey to our collective future as mediated by trends in technological development. The various changes around



**Dr. Kumar Laxman**  
*Univ. of Auckland, New Zealand*

us are only pointers to greater changes we can expect in the nearest future. Hence, transformations in the industrial sector, in communication and the entirety of human interaction places a demand on us researchers and academicians to become more pragmatic in our approaches and research, so we are prepared to take advantage of forums like ICGET. All delegates were enriched by the various sessions and we look forward to better research, and richer collaborations following ICGET 2018. Once again, our thanks to all VIPs, other speakers, special guests, representatives of various institutions and all local and international delegates. It is our hope that the experiences of ICGET 2018 will be remembered for a long time to come. Thank you very much and wishing you all the best.

## PROGRAM CHAIRS



**Dr. Bosede Iyiade Edwards**  
*Imagineering Institute,  
Iskandar Puteri, Johor. Malaysia*

The International Conference on Global & Emerging Trends (ICGET) is geared towards the fulfilment of the vision of creating a platform for sound academic networking and showcasing of visionary, multidisciplinary research, developments, and technologies, in line with global trends. ICGET is an initiative of Global Trends Academy (GTA), a forum of seasoned academicians with a vision to raise the research bar in the developing world. It aims to do this by fostering academic and research collaborations among



**Dr. Yusuf D. Opaluwa**  
*Federal Univ. of Technology  
Minna. Nigeria*

researchers and institutions from developing economies and the rest of the world, and sponsor global intellectual gatherings as well as link researchers with international development opportunities and promote dissemination of research findings from various fields. Seasoned academicians, experienced and budding researchers, research students and intending scholars are all welcomed by the GTA team. ICGET 2018 is the first in its series, and it was indeed a rich experience for all participants. On behalf of the local and international organizing committees, I appreciate keynote speakers from Malaysia and America, all VIPs, plenary speakers and workshop facilitators from various parts of Nigeria, invited guests, institutional representatives, and all senior and upcoming researchers who made the ICGET 2018 experience a memorable one. We high hopes that ICGET 2018 will birth outstanding future collaborations among delegates. Thank you all.

## CONFERENCE COMMITTEE

Dr. Bosede I. Edwards, Imagineering Institute, Malaysia	-General/Programme Chair
Dr. Yusuf D. Opaluwa, Fed. Univ. of Tech., Minna. Nigeria	-Programme Co-chair
Dr. Nyangwarimam O. Ali, Universiti Teknologi Malaysia	-Chairman, Secretariat Committee
Dr. Olakunle Elijah, Universiti Teknologi Malaysia	-Chairman, Publicity Committee
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Dr. Baba Adams Ndalai, Fed. Polytechnic Idah, Nigeria	-Member, Scientific Committee
Dr. Banjo Adekiigbe, Fed. Polytechnic, Ede. Nigeria	-Member, Scientific Committee
Dr. Mallam A. Babikkoi, Fed. Coll. of Educ., Yola. Nigeria	-Member, Scientific Committee
Dr. Ademola Adeyemi, Fed. Polytechnic, Kebbi. Nigeria	-Member, Scientific Committee
Esther D. Kadarko, Univ. Technology Petronas, Malaysia	-Member, Scientific Committee
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Engr. Ademola B. Raheem, Universiti Teknologi Malaysia	-Member, Publicity Committee
Dr. Anthony Adjei Twum, Kumasi Tech. Univ., Ghana	-Member, Publicity Committee

## KEYNOTE SPEAKERS



**Dr. Mohamad Kasim Abdul Jalil**  
*Associate Professor of Mechanical  
and Applied Mechanics & Design,  
Universiti Teknologi Malaysia.*

**Global Trends in Higher Education: Visions, Opportunities & Challenges for a Sustainable Future.**

Higher education is increasingly seen by many countries as a major contributor to national revenue and economic development. In order to maintain global relevance, many leading universities throughout the world have focused on internationalising both teaching and research areas to drive continuous improvement of the quality assurance standards and international criterion of their education systems. Universiti

Teknologi Malaysia's experience in developing international education highlights major success factors that improve its global reputation as a higher education destination for international students. The opportunities, the associated challenges and the lessons learnt can inspire efforts in other parts of the globe, and especially in the developing world.



**Futurist CHET W. SISK**  
*Life coach, Founder & President, Lead Global,  
Denver, Colorado. Leadership development  
specialist at World Assemblies of  
Youth (WAY).*

**Moving from Profit to Abundance: Trends Indicating the Rise of the Ubuntu (Sharing) Economy.**

A perfect storm of events has materialized, forcing us to re-evaluate the current socioeconomic structure in the world. The Fourth Industrial Revolution, Climate Change and the emergence of Ubuntu (sharing) as a philosophical construct is providing fertile ground for people around the world to ask: How do we leverage the emerging technologies into creating utopia? Is there an opportunity in climate change that will make us take a harder look at how we organize cities? How will a Southern African philosophy change the way we've constructed societies? Futurist Chet W. Sisk will share details of a proof of concept model that gives us a hint to answers. He'll also outline visionary and inspiring possibilities that our current world situation provides. His message is practical, hopeful and global.

## LIST OF REVIEWERS

Prof. Temitope Oyedepo	<i>Adeleke University, Ede. Nigeria</i>
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