

9th International Malaysian Educational Technology Convention  
13 - 15 September 2015, Kota Baharu, Kelantan, MALAYSIA

## 21ST CENTURY TEACHING AND LEARNING DESIGN

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### Partners



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Educational Technology Division, MOE



## *Forward by*

**Director, Educational Technology Division Ministry of Education (MOE),  
Malaysia**

السَّلَامُ عَلَيْكُمْ

*Selamat Datang* and Welcome to the 9<sup>th</sup> International Malaysian Educational Technology Convention (IMETC) 2015. I would like to express my sincere and profound congratulations to the Malaysia Educational Technology Association (META) committee in coordinating the 9<sup>th</sup> International Malaysian Educational Technology Convention (IMETC) 2015.

Kudos on the relentless effort and resilient energy in providing a platform for educational technology practitioners to congregate and engage in a pivotal theme '21st Century Teaching & Learning Design'.

The convention's theme is in tandem with the nation's aspiration in equipping our citizens with the knowledge, skills, and competencies towards a better nation.

The Ministry of Education Malaysia has developed the National Education Blueprint, the roadmap to guide all the stakeholders in the Malaysian Education System; administrators, educators and learners.

The Educational Technology Division has always fervently supported the nation endeavours in achieving 21st Century Teaching and Learning. The National e-Learning Policy (DEPAN) is a national effort to engage learners, nurture passionate and competent educators, widen access to quality learning content, borderless learning spaces as well as enhance learning networking worldwide.

Hence, this convention is timely as the congregation of great minds hoped to generate ideas, enhance experience and most importantly inspire others to optimize technology-able innovations to spearhead the culture of education excellence in our nation and beyond.

May IMETC2015 create a significant impact in making the 21st century teaching and learning initiative a major success. I wish all of the delegates a successful and fruitful experience.  
Thank you.

والسلام عليكم

(Z A I D I B I N Y A Z I D)  
Pengerah  
Bahagian Teknologi Pendidikan, KPM



## *Forward by*

*President of the Malaysian Educational Technology Association (META)*

السَّلَامُ عَلَيْكُمْ

I wish everyone a warm welcome to the 9th International Malaysian Educational Technology Convention 2015 (IMETC2015) organized by the Malaysia Educational Technology Association (META).

The convention theme '21st Century Teaching and Learning Design' aptly encapsulate the vision and core of our education goal; to be at the forefront in engaging and sustaining successful teaching and learning design via new educational technologies.

The proliferation of knowledge and information via myriad online tools and resources give impetus to the possibilities and challenges for educators to optimize educational technologies towards successful 21st Century Learning.

We aim to provide a platform for decision makers, researchers and teachers to present, learn and share innovations, best practice and ideas that could perpetuate lifelong learning.

This convention is a congregation of minds, where we can network with others, especially from other countries so that knowledge can be shared in a wider context. For the purpose of knowledge dissemination, we have produced proceedings in the CD format.

Therefore, it is our fervent hope that the 9th IMETC 2015 will serve as a platform for a convention of like-minded, dynamic individuals who are able to generate endless possibilities and opportunities with educational technology tools, taking them to more tenacious heights.

We hope this convention promotes interesting and rewarding discussions, and we look forward to meet everyone again in 2016. Thank you.

وَالسَّلَامُ عَلَيْكُمْ

**Dr. Mahizer Hamzah**  
*President, META*



## *Forward by*

**Chair, 9<sup>th</sup> International Malaysian Educational Technology Convention (IMETC2015)**

السَّلَامُ عَلَيْكُمْ

On behalf of the organizing committee of IMETC2015, we are honoured to welcome all of you to the 9<sup>th</sup> edition of the Convention. The theme selected, “21st Century Teaching and Learning Design” attempts to address the main issues in the dearth pedagogies and will focus on aspects of delivery strategies, technological issues, curriculum development and instructional design of the future.

The term ‘eLearning’ is now 17 years old. For sure, the e-learning of 2015 and beyond is not and will not be the same as e-learning of the 1990s. We are now looking at the 21st century educational landscape where the realities of learning are now technology ‘enhanced’ in a ‘connected’ world, where the learning is always in ‘motion’.

The characteristics of the learners are very different from the last century .. and now the learner, the environment and content has a different orientation altogether.

The 21st century learners are now ‘mobile’ learners. They are always on the move, as such content must now come directly to the learner, giving rise to a personalised content and environment, where the educational transaction can take place anytime and anywhere.

IMETC provides an avenue for teachers and researchers at all levels of education to come together and share their practices. There is so much more to learn, to do and to innovate for the benefit of our future generation.

Finally, sincere thanks to all the Keynote Speakers for their insights and to the academics who took time to produce their papers. Enjoy the Convention and continue to communicate with each other in the future. Hope to see you all again 2016.

والسَّلَامُ عَلَيْكُمْ

**Professor Dr. Rozhan M. Idrus**  
*Chair, IMETC2015*

## Schedule and Presentations of the IMETC2015

12 September  
Registration

1600 – 1800 – IMETC2015 REGISTRATION  
BTPN Kelantan

**DAY 1**

**13 September 2015 – SUNDAY**

0800-0845

Registration at the Convention Hall

**0900-  
1000**

- KEYNOTE ADDRESS I -  
**NOOCify the MOOC!**  
**Zaid Ali Alsagoff**  
*Principal Lead (e-Learning & Innovation) and  
Fellow of the Centre for Medical Education  
International Medical University (IMU), Malaysia*



DAY 1 – 13  
SEPTEMBER 2015

FUNCTION ROOM 1

FUNCTION ROOM 2

CHAIR		
1010-1030	PRESENTATION 1	PRESENTATION 3
	Opportunities and Challenges of MOOC: Malaysian Perspective <b>Nor Fadzleen Sa'don – (E12)</b>	Analisis Perbandingan Terhadap Literasi Teknologi Maklumat dan Komunikasi (TMK) di antara Guru Sekolah Menengah Bandar Dengan Luar Bandar <b>Abd Rahman Bin Daud– (M1)</b>
1030-1050	PRESENTATION 2	PRESENTATION 4
	Designing Instruction For Active and Reflective Learners in the Flipped Classroom <b>Sherina Shahnaz Mohamed Fauzi – (E9)</b>	Blended Learning di Sekolah Menengah. Sudahkan Guru Bersedia? <b>Noraini Mohamed Noh– (M2)</b>

1050-1120

**TEA BREAK**

DAY 1 – 13  
SEPTEMBER 2015

FUNCTION ROOM 1

FUNCTION ROOM 2

CHAIR		
1120-1140	PRESENTATION 5	PRESENTATION 8
	A Flipped Classroom Design for Engaging Students in English Course <b>Hani M.A. Alhasani – (E10)</b>	Perkembangan dan Penggunaan ICT di Malaysia: Di manakah kita? <b>Rosnaini Mahmud – (M6)</b>

1140-1200	<b>PRESENTATION 6</b>	<b>PRESENTATION 9</b>
	Chinese Conversation System (CCS): Support Speaking Instruction for the Teaching of Chinese as a Foreign Language <b>Goh Ying Soon- (E2)</b>	Pedagogi Abad 21 Berbasiskan Rangkaian Sosial Google Plus dalam Pengajaran dan Pembelajaran Bahasa Melayu <b>Siti Salwah binti Atan- (M7)</b>
1200-1220	<b>PRESENTATION 7</b>	<b>PRESENTATION 10</b>
	FLIPPED: A Case Study in Fundamental of Accounting in Malaysian Polytechnic <b>Siti Zuraidah Md Osman - (E7)</b>	Penerimaan Alat Web 2.0 dalam Pelaksanaan Kurikulum Program Berasaskan Pembelajaran Abad Ke-21 di Institut Pendidikan Guru <b>Abdul Hadi Mat Dawi- (M4)</b>

<b>1230-1300</b>	<p><b>OPENING CEREMONY</b> <i>officiated by</i> <b>Tuan Hj. Zaidi Bin Yazid</b> <b>Director</b> <b>Educational Technology Division</b> <b>Ministry of Education, Malaysia</b></p> 
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<b>1300-1430</b>	<b>LUNCH BREAK</b>
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<b>1430-1530</b>	<p>- KEYNOTE ADDRESS II - <b>Beyond Blended Learning for the 21<sup>st</sup> Century Learning Environment</b> <b>Dr. Najwa Hayaati Mohd Alwi</b> <i>Coordinator, Content Development Unit (CDU) Global Open Access Learning (GOAL) Centre Universiti Sains Islam Malaysia (USIM), Malaysia</i></p> 
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DAY 1 - 13 SEPTEMBER 2015	FUNCTION ROOM 1
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<b>CHAIR</b>	
<b>1540-1600</b>	<b>PRESENTATION 11</b>
	An Early Review and Preliminary Investigation: Potential of Developing Multimedia Learning Courseware in Facilitating the Enhancing of Students Performance Standard in the Information and Communication Technology Subject <b>Shuhaila Hurmuzan - (E1)</b>
<b>1600 - 1620</b>	<b>PRESENTATION 12</b>
	Quality of Instruction and Usability of ASTRO Tutor TV Lessons and their Effects on Perseverance and Frequency of Use <b>Mohd Erpi Bin Mohd Ali - (E3)</b>

1620-1640	PRESENTATION 13
	Level of Usage on the Geometer's Sketchpad Software Amongst Mathematics Teachers <b>Mohd. Jasmy Bin Abd Rahman – (E13)</b>
1640-1700	PRESENTATION 14
	Reducing susceptibility to smoking among school adolescents: an initial investigation towards the development of Persuasive Smoking Prevention Intervention (PSPi) <b>Rosli Che Din – (E4)</b>

1700-1730	<b>TEA BREAK</b>
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<b>DAY 2</b>	<b>14 September 2015 – MONDAY</b>
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0900-1000	- KEYNOTE ADDRESS III – <b>Envisaging the Teaching and Learning Design of 21<sup>st</sup> Century: Beyond MEB 2025</b> <b>Prof. Dato Dr. Haji Ab. Rahim Bin Haji Selamat</b> <i>Konsultan UNESCO, Ahli Panel PPPM2013-2025, Tokoh Guru Kebangsaan 2011, Tokoh Guru Melaka 2005</i>	

DAY 2 - 14  
SEPTEMBER 2015

FUNCTION ROOM 1

CHAIR	
1010-1030	PRESENTATION 15
	The Relationship between Spiritual Intelligence and Learners' Learning Engagement in a Blended Learning Environment among Polytechnics Graduates <b>Isyati Suparman – (E5)</b>
1030-1050	PRESENTATION 16
	An Investigation of the Quality of Delivery and Levels of Engagement in USM-developed Open Educational Resource Lectures <b>Fatemeh Habibian Naeini – (E6)</b>

1050-1120	<b>TEA BREAK</b>
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DAY 2 - 14  
SEPTEMBER 2015

FUNCTION ROOM 1

CHAIR	
1120-1140	PRESENTATION 17
	Pedagogi Inovatif melalui Pembelajaran Berasaskan Peristiwa (Pelbagai Disiplin) <b>Rozhan bin Mohammed Idrus – (M3)</b>

1140-1200	<b>PRESENTATION 18</b>
	Reka Bentuk Konseptual Permainan Komputer Penyelesaian Masalah Berdasarkan Model Polya <b>Rosnaini Mahmud – (M5)</b>
1200-1220	<b>PRESENTATION 19</b>
	Kompetensi ICT Guru dan Hubungannya terhadap Pembudayaan Teknologi dalam Pembelajaran dan Pengajaran Abad ke-21. <b>Haiza Atmareni bt Harmeni – (M8)</b>

1220-1430	<b>LUNCH BREAK</b>
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1430-1530	- KEYNOTE ADDRESS IV – <b>Bridging the Gap: Creating Cultures for the 21<sup>st</sup> Century Learners</b> <b>Assoc. Prof. Rozinah Jamaludin</b> <i>Deputy Director</i> <i>Centre of Development and Academic Excellence (CDAE)</i> <i>Universiti Sains Malaysia (USM), Malaysia</i>	

DAY 2 – 14  
SEPTEMBER 2015

FUNCTION ROOM 1

CHAIR	
1540-1600	<b>PRESENTATION 20</b>
	Pelaksanaan Pendidikan STEM melalui Inovasi Pujukan Terarah Berasaskan Pembelajaran Abad Ke-21 dalam Kalangan Murid Orang Asal Sekolah Rendah <b>Abdul Hadi Mat Dawi – (M9)</b>
1600 - 1620	<b>PRESENTATION 21</b>
	Instructional and Learning Design in Open and Distance Learning (ODL) in Higher Education <b>Yusup Hashim – (E8)</b>
1620-1640	<b>PRESENTATION 22</b>
	Key Factors to Students' Satisfaction of Learning Management System Usage in a Blended Learning Environment in Yemen <b>Samar Mohammed Ghazal – (E11)</b>


1700-1730	<b>TEA BREAK</b>
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2030-2230	<b>DINNER &amp; ANNUAL GENERAL MEETING (META)</b>
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**DAY 3**

**15 September 2015 – TUESDAY**

<p><b>0900-1000</b></p>	<p align="center">- WORKSHOP - <b>An Integral ASIE Instructional Design Model: An Integrated Approach in Instructional Planning For the 21st Century Teaching Environment</b> <b>Ismail Md. Zain, Ph.D</b> <i>Adviser Tutor, Department of Education, Utusan Malaysia</i></p>	
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<p><b>1000-1020</b></p>	<p align="center"><b>TEA BREAK</b></p>
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DAY 3 - 15  
SEPTEMBER 2015

FUNCTION ROOM 1

CHAIR	
1020-1050	<p align="center"><b>Best Practise Presentation I</b></p>
	<p align="center">Pelaksanaan Pembelajaran Abad ke-21 di Sekolah Menengah –SMK Raja Sakti <b>Pn. Suhaila Binti Mohamad</b> <i>SMK Raja Sakti</i></p>
1050-1120	<p align="center"><b>Best Practise Presentation II</b></p>
	<p align="center">Pembelajaran Abad ke-21: Cabaran dan Halatuju SK Seri Ketereh <b>Pn. Hafizan Binti Hassan</b> <i>SK Sri Ketereh</i></p>
1050-1120	<p align="center"><b>Best Practise Presentation III</b></p>
	<p align="center">Journey to USIM-iTunesU: Warping into the 21st Century <b>Ahmad Farid Mohd Jamal &amp; Mohamad Faiz Taip</b> <i>Universiti Sains Islam Malaysia (USIM), Negeri Sembilan</i></p>

1120-1140	<p align="center"><b>Best Practise Presentation IV</b></p>
	<p align="center">Model PAGKK: Model Pelaksanaan Sekolah Abad ke-21 dan Sekolah Realiti Pembelajaran Abad ke-21 <b>Jackson Sigo @ Siga</b> <i>SMK Tambulion</i></p>

1140-1200	<b>Best Practise Presentation V</b>
	M.I.I: Meningkatkan Kemahiran Berfikir Aras Tinggi Murid dalam Mata Pelajaran Sains Tingkatan 2 <b>Mohamad Izwan bin Mohamad Noor</b> <i>SK Pekan Pensiangan (K9), Nabawan, Pensiangan, Sabah</i>

1215-1245	<p><b>CLOSING CEREMONY by</b>  <b>DR. MAHIZER HAMZAH</b>  <i>President</i>  <i>Malaysian Educational Technology Association</i></p>	
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1245-1430 - LUNCH & Check-out –  
- Selamat Jalan - Bon Voyage - Sayonara -

**Till we meet again in 2016 at the 10<sup>th</sup> International  
Malaysian Educational Technology Convention**



# *AUTOGRAPH*