

SPEECH TEXT BY
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Universiti Malaysia Perlis
IN CONJUNCTION WITH
Center of Excellent of Unmanned Aerial Systems (UAS), UniMAP
And
Sustainable Development Unit
AT DEWAN KEIKHLASAN , BANGUNAN KWSP KANGAR, PERLIS
ON 18 JUNE 2013, 9.00 am

Bismillah HirRahman NirRahim,

Distinguished guests, Mr. Horst H. Bauch and Mr. Alex Kuehlke,
EMT International Manager.

My respected colleague Dato' **Prof. Dr. Zul Azhar Zahid Jamal**,
Deputy Vice Chancellor (Academic and Internationalization);

Deans and Heads of Departments, respected guests;

Dr. Mohd Mizan Mohammad Aslam, Director of Sustainable
Development Unit; *and also the Chairman of International
Academic Lecture Series Committee;*

Assoc. Prof. Dr. Hazry B Desa, Dean School of Business
Innovation and Technopreneurship, also *the Chairman of UniMAP*

*Research Cluster on Autonomous System and Machine Vision
(AutoMAV);*

Representatives from industry and university,

UniMAP staffs and students;

Ladies and Gentleman;

Assalamualaikum Warahmatullahi Wabarakatuh, Salam
1Malaysia and a very good morning,

Alhamdulillah, first and foremost, I am most grateful to Allah, the Most Gracious and Most Merciful, for His blessings in giving us the opportunity to gather here at the **Industrial Talk on Unmanned Arial System** Operating UAV: Risk and Challenges'. This talk shall be delivered by two most respected guests distinguished speakers, Mr. Horst H. Bauch & Mr. Alex Kuehlke, International Sales Manager of EMT.

Ladies and gentleman;

As I mentioned earlier, our respected guests today will be addressing a topic entitled "Operating UAV: Risk and Challenges". As we are fully aware, sophistication and enhancement in today's technology have revolutionized the development of the "Unmanned Arial System" industry. In response to the technological changes in this industry, UniMAP

has taken the opportunity to organize an informative talk on this topic, which is aimed at exchanging the latest information, development and knowledge of the industry from the speakers with all participants and as well as to those who are interested in this industry.

In simple layman's terms, "Unmanned Systems" are actually machines that operate under a "sense," "think," or "act" paradigm. That is, they are differentiated or distinguished from other regular machines not just by the fact that there are no humans inside, but also by the fact that they carry sensors that gather information about the world around them, they possess processors that use that information to make appropriate decisions, and lastly have effectors that act to create change in the world around the machines, such as by movement or firing a weapon. Continuous research in this industry, also known as "robotics revolution" has enabled industry users to gain some technological benefits when needed.

Ladies and gentleman,

In recognising the importance of this industry, Universiti Malaysia Perlis (UniMAP) has embarked on various strategies and plans to be a pioneer and eventually as the leader in this area. As a start, UniMAP has executed a Letter of Intent (LOI) with Drei Sohne Technologies (Deuthcshland) Sdn. Bhd., a subsidiary of a well-known Germany based company. The signing ceremony was held on 26 March 2013 at the Langkawi International Maritime

and Aerospace Exhibition (LIMA'13) signaling a significant step towards establishing a strategic cooperation between both sides.

Following the above, UniMAP has established SMART-V, a prototype of aircraft placed under the Research Cluster on Autonomous System and Machine Vision ("AutoMAV") to spearhead all research activities in this industry. The Research Cluster is headed by Associate Professor DrHazry B Desa, The Dean School of Business Innovation and Technopreneurship. Qualified UniMAP undergraduates shall be selected to attend relevant courses in Germany in the field of Unmanned Arial System. The course will run in three months in Germany so that the students can learn deeply all the knowledge and technologies needed.

I am sure that we all will benefit greatly from this talk to be delivered in a few minutes from now. I sincerely wish that today's talk will provide some food-for-thought for all researchers from different backgrounds, fields and disciplines.

Thank you very much and Assalamualaikum Warahmatullahi Wabarakatuh.