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Berlin, November 30 - December 2
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Commissioner's Welcome Message

As European Commissioner for Education, Culture, Youth and Sport, I am delighted to support the 2016 OEB conference. Over the next three days you will explore many important areas of learning and technology: some established, some emerging - gaming; learning analytics; blended learning; mobile learning. All these topics support your central theme of how we can empower learners and encourage more ownership of learning.

The digital revolution is having a huge impact on education and training. Europe needs to seize the opportunities that digital change brings, so that we deliver higher quality education and the digital skills essential for our young people's future lives and careers.

So, one of my key policy priorities for European cooperation in education is to open up, support and encourage innovation in education and training. The European Commission is working to do so in a number of ways.

We work with ministries of education, business and trade unions and other education stakeholders to share experience and best practice on digital skills and technologies in education.

Through the Erasmus+ programme we fund research, projects and exchanges across Europe. Our e-twinning network links teachers and classrooms throughout Europe on many thousands of shared projects.

The new EU Skills Agenda highlights the importance of digital skills. We are now working to review and update our recommendation on key competences which will help more people gain the core set of skills they need to work and live in the 21st century. We will focus in particular on promoting both entrepreneurial and digital skills.

The European Commission is also launching a multi-stakeholder partnership, the Digital Skills and Jobs Coalition, to tackle the lack of digital skills in Europe and the thousands of unfilled ICT-related vacancies across all industry sectors.

OEB is unique as it gathers so many stakeholders from business, education, government, research and NGOs. This cross-sector exchange is vital and we need to encourage more conversations like this in Europe. It is only by working in partnership that we can deliver on our goal of modernising and improving education for all.

With 2,300 participants from around the globe, OEB is the perfect lab to generate new ideas. I wish you all a fruitful three days of learning, exchanging ideas and pushing boundaries.

Tibor Navracsics

European Commissioner for Education, Culture, Youth and Sport

Minister's Welcome Message

Our society is undergoing a process of rapid transformation. Economy 4.0 and Work 4.0 are subjects that dominate politics, science, and the public discourse. These enormous changes present our country with great opportunities, but in this transformation process, people's needs have to be the focus. Our desire is for everyone to have the chance to gain suitable qualifications, in order to be in a position to develop necessary skills and competences.

The Federal Ministry of Education and Research (BMBF) is manifoldly engaged in the digital change in the realms of education and science. With its „Educational Campaign for the Digital Knowledge Society“, the BMBF has formulated a broad framework for action to address this change. The Vocational Training 4.0 initiative plays a pivotal role in supporting the elaboration of modern occupational profiles. We are promoting sound pedagogical concepts and models for the acquisition of qualifications, and we are contributing to the provision of up-to-date digital devices for industry-wide dual training system facilities. Furthermore, in collaboration with the Federal States, our DigitalPakt#D - the Digital Pact for Germany - is to establish digital learning in schools on the basis of robust infrastructures and effective learning concepts.

I am pleased to see that OEB 2016 has placed the learners' role at the centre of its agenda. Digital education and training is a cornerstone of every contemporary individual's qualification efforts. Our task is to ensure that learners are in a position to make optimal use of digital training programmes presented by teachers who are qualified both methodologically and didactically. OEB 2016 will make an important contribution toward the achievement of this goal.

As the patron of the Conference, I wish the OEB 2016 the very best of success!

Prof. Dr. Johanna Wanka

Federal Minister for Education and Research

Organiser's Welcome Message

The years seem to pass so quickly these days!

It seems like only yesterday that we were here at Berlin's Intercontinental Hotel for last year's OEB. Perhaps it's the eagerness I always feel for the next edition of this wonderful conference, with the chance it brings to see so many old friends and to make new ones.

A year has passed but, in that short space of time, much has changed. Technological innovation is opening up new opportunities that, until recently, were almost beyond the scope of our imagination. Now, the speed at which new products and solutions appear is astounding.

In the period since the last OEB, for example, more software has been developed, which will make autonomous driving a reality. Here in Germany, a new hydrogen-powered train service, 'hydrail', which produces no carbon emissions at all, has been launched. We have seen huge advances in research into the potential benefits of the use of data on health. Reusable rockets have been tested in Texas, heralding a new, and much cheaper, age of space exploration. Chinese research into voice technology is set to transform smartphones. 'Power from the Air' is spreading the reach of wi-fi and other signals, making computers and sensors more pervasive and laying the telecommunication foundations for the Internet of Things.

And research in the fields of artificial intelligence and robotics is opening up extraordinary new horizons of possibility. This year's MIT Technology Report estimates that, within the next five years, robots will be able to teach each other - by learning tasks and then sending that knowledge to the cloud for other robots to pick up later.

The pace of change has been a recurring theme at OEB for many years now. It may not always have been explicit but it has always been there, whether at the front or the back of our minds, as we discussed developments in education and training. Now, however, the pace of change has quickened and we are galloping, rather than cantering, into the future. Technological innovation is happening faster than ever before and it is bringing with it the most comprehensive and profound change in education in human history.

This year at OEB, we'll be focussing our attention on one of the most important aspects of this process of change in education - the future 'ownership of learning.' Technology has made radical change in the ownership and control of learning not only possible but increasingly likely. With every month that passes, more and more ordinary learners - whether students in full-time education or workplace trainees doing a vocational course - are being given the means to take control of their own learning. Developments in technology mean that this trend will only continue and, if the pace of change so far is anything to go by, within ten years, we will be astonished by the scale of the transformation.

I cannot predict what will happen between now and next year's OEB. What I can say with confidence, however, is that the pace of change, and our ability to manage it, will still be firmly on the agenda. We are living in what Thomas Friedman and others have called „the age of acceleration“ and there are few signs that things are going to slow down.

In many ways, our OEB community is at the forefront of this process of change. Our common concern is how technology can be used to improve, enhance and extend learning. In the twenty-two years of its existence, OEB has seen some remarkable changes in education but the scope of what we have already seen will soon be dwarfed, in a very short period of time, by what is to come.

I hope you will enjoy OEB 2016. Our interactive sessions, debates and discussions are a chance not only to learn about the future, but also to help shape it.

You'll even see something of the shape of the future at our exhibition, where companies and organisations from all over the world present their latest products and services. I'd like to take this opportunity to thank them and all our sponsors for their support. We're proud to be associated with them and all they're doing for global education.

Have a very successful conference!

Rebecca Stromeyer

Managing Director of ICWE GmbH

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