

# Future-ready Education



How do International Baccalaureate & Finnish schools prepare their students & teachers for the unknown future?

*A virtual conference on Nov 12th 2021*

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Co-organised by



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The past years changed the face of education forever, leaving schools, teachers, students, and families to adapt to unprecedented challenges in teaching and learning. Be it the Covid-19 pandemic, smart phones, technology or something else, the truth is that the future likes to surprise us. “The only constant in life is change” - Heraclitus.



OECD (2020) drew the four different scenarios of the future schooling:

- Schooling extended
- Education outsourced as traditional schooling systems break down
- Schools as learning hubs of a more connected community
- Learn-as-you-go while the distinct between formal and informal education is blurred

**THE ROLE OF SCHOOLS AS KEY ACTORS OF EDUCATION IS CHALLENGED!**

This urges schools to constantly learn, innovate and prepare their students and teachers ahead of change.



Join Finnish and International Baccalaureate educational experts for a discussion on future-ready education as they do a deep dive into how they keep their schooling relevant and innovative over time.

Two main questions of the event are:

- *what is taught at schools and how is it implemented?*
- *what and how are teachers, both in-services and pre-services, trained?*

Education investors, policy makers, school owners, teachers, and anyone who are interested in education are welcome to this event!

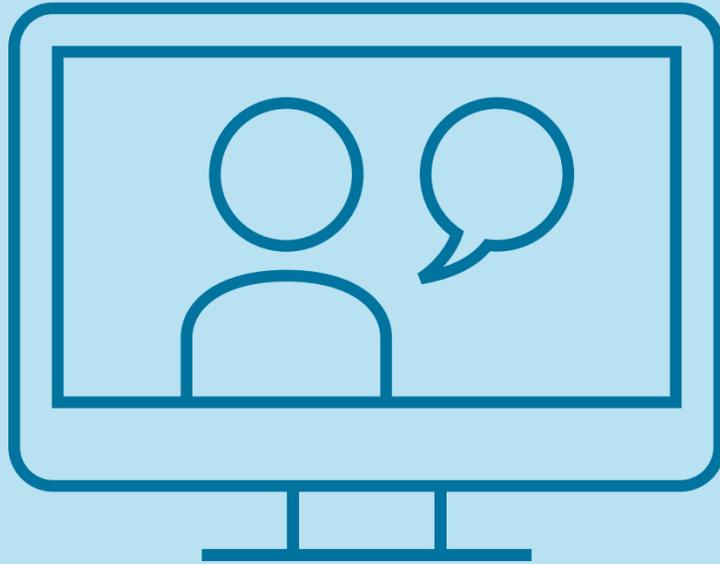


# Hosted and moderated by



**Iida-Maria Peltomaa**

Doctoral researcher in Education, University of Tampere  
Senior Consultant, Wise Consulting Finland Oy in Vietnam



Friday, 12 Nov 2021  
Vietnam Time  
(ICT / GMT+07)

Conference will be held in  
English with Vietnamese  
translation.

Platform: Howspace & Zoom

# Agenda

2:00 PM Opening Remark and Introduction of Speakers

2:05 PM Keynote: What is future-ready education?

*Mr. Olli-Pekka Heinonen, Director General, International Baccalaureate*

2:15 PM Keynote: Future learning in the light of Finnish curriculum

*Ms. Anneli Rautiainen, Head of Innovation Unit, Finnish National Agency for Education*

2:25 PM Foresight and Feedforward

*Dr. David Marsh - Director, Marsh Education Design, Finland*

2:45 PM How do IB programmes prepare students for the future?

*Stefanie Leong - IB's Head of Development for Asia Pacific*

3:05 PM Finnish teacher education & professional development

*Adjunct Prof. Kristiina Heikkilä, Head of Teacher Education Department, UTU*

3:25 PM Moving towards the New Normal in Finnish teacher education

*Prof. Kirsti Lonka, Director of Research Group for Educational Psychology, University of Helsinki*

3:45 PM Q&As & Discussion with speakers

4:15 PM Break-out Sessions

*Moderated by IB and Finnish education experts*

4:45 PM Closing Remark and Conclusion

# Keynote Speakers



**Mr. Olli-Pekka Heinonen**

Director General

International Baccalaureate Organization

Former General Director

Finnish National Agency for Education

*What is Future-ready Education?*



**Mrs. Anneli Rautiainen**

Head of Innovation Unit

Finnish National Agency for Education

*Future learning in light of Finnish curriculum*



# Mr Olli-Pekka Heinonen

Mr Olli-Pekka Heinonen became the 8th Director General of the International Baccalaureate Organization on 1 May 2021.

Prior to joining the IB, Mr Heinonen was Director General of the Finnish National Agency for Education where he worked from January 2017. Mr Heinonen had an active career in politics in Finland between 1994 and 2002: he was Minister of Education and Science from 1994-1999; Minister of Transport and Communication from 1999-2002 and a Member of Parliament from 1995-2002.

From 2002 to 2012, Mr Heinonen was Director of Yle, the Finnish national public broadcasting company, before joining the Finnish Prime Minister's Office in March 2012 as State Secretary, responsible for organizing and leading the office. He has also been responsible, as State Secretary, for the portfolios of the Ministry of Education and Culture, the Ministry of Internal Affairs, the Ministry of Foreign Trade and Development and then as State Secretary at the Ministry of Finance of Finland.

Mr Heinonen holds a Master of Laws from the University of Helsinki in Finland and has been awarded an honorary doctorate by the Faculty of Education and Psychology at the University of Jyväskylä in Finland. He is married and has three children.



# Anneli Rautiainen

Anneli Rautiainen works in the Innovation Centre at the Finnish National Agency for Education.

Anneli Rautiainen has graduated from Helsinki University with Master's in Education. Prior to this position at the Innovation Centre, she has been developing Finnish education as a teacher and a principal, in addition as a head of General Education, ECEC and professional development of education personnel at the government level.

Mrs. Rautiainen has been a keynote speaker and panelist in over 25 countries and five continents at various international conventions.

She has been a member of international education networks; ISC, GELP, NPDL, ITE and ARC. She has been a member of OECD Education2030 Working Group and a member of OECD High Performing Systems for Tomorrow, HPST -group. She was also a participant of Mashav's 30th International Women Leaders Conference in Israel in 2018.

# Main room: Speakers



**Dr. David Marsh**

Director  
Marsh Education Design, Finland  
Fellow  
Royal Society of Arts London

*Foresight and Feedforward*



**Stefanie Leong**

Head of Development for Asia Pacific  
International Baccalaureate  
Organization

*How do IB programmes prepare  
students for the future?*



**Adjunct Prof. Kristiina Heikkilä**

Head of Teacher Education Department  
University of Turku

*Finnish teacher education & professional  
development*



**Prof. Kirsti Lonka**

Director of Research Group for  
Educational Psychology  
University of Helsinki

*Moving towards the New Normal in  
Finnish teacher education*



# Dr. David Marsh

David Marsh PhD is Fellow of the Royal Society of Arts, London. He has experience of tasks in over 40 countries, contributed to over 160 publications, presented over 130 invited keynotes, and received 5 degrees from the United Kingdom, Finland, and Spain.

Experience in Finland and across Europe has been complemented with assignments in Africa (Ethiopia, Mozambique, Namibia, South Africa), Central & East Asia (Japan, Kazakhstan, Korea), Iceland, India, Kosovo, Middle East (KSA, UAE, Qatar), Russia, Southeast Asia (Brunei, Hong Kong, Laos, Malaysia, Singapore, Thailand, Philippines, Vietnam), North America, (Mexico, USA), and South America (Argentina, Colombia, Peru).

Having co-launched Content and Language Integrated Learning (CLIL) under the auspices of the European Commission, his work has been recognized through various awards including the English-speaking Union (2008), Estonian Educational Sciences (2009), Doctor honoris causa VIU (2013), and Honorary Chair, Catedrático Extraordinario de Educación Bilingüe, UCAM (2017).

His key current interests are educational systems-based transformation, bilingual education, realizing OECD global competences, and adjusting educational practices for digitally astute young people.



# Stefanie Leong

Stefanie Leong is the Head of Development, Asia Pacific at the International Baccalaureate (IB). She has 19 years of education management experience for mission driven non-profit global education and assessment bodies.

Stefanie is passionate about being a leader in education innovation and improvement. She believes that through collaboration and strengthening of educational opportunities and outcomes will improve and benefit the education and lives of students in their own schools and beyond.

Before joining the IB in 2012, Stefanie worked for Cambridge Assessment International Education, part of the University of Cambridge. She managed a portfolio of 11 countries in Asia. She also taught Commerce and Information Technology in an Australian university.

Stefanie holds a Bachelors in Business Management, Masters in Information Systems, and Masters in Electronic Commerce. Stefanie is a keen learner and continues to develop her skills and knowledge. She is also certified in Project Management and Lean Six Sigma.



# Adjunct Prof. Kristiina Heikkilä

Dr. Kristiina Heikkilä works currently as the Head of the Teacher Education Department of the Faculty of Education, University of Turku.

Dr. Heikkilä started her career as a class and CLIL-teacher in the Teacher Training School of Turku after which she became the Senior Lecturer and the Head of the Department. She has been working as a senior lecturer and developing the teacher training programme at the Faculty of Education for more than twenty years.

In addition to her extensive career in Teacher Education in Finland she has been involved in many international professional development programmes arranged by the University of Turku.



# Professor Kirsti Lonka

Kirsti Lonka, PhD is Professor of Educational Psychology at University of Helsinki, Finland, since 2005, and also Extraordinary Professor, Optentia Research Focus Area, NWU, South Africa (2016-).

Lonka was the principal investigator of project Phenomenal Teacher Education “Phenomenal Teacher Education – Engaging learning environments” funded by Ministry of Education, Finland, to start new developments in teacher education.

Her research covers student learning, motivation, emotion, and digital learning.

Previously she worked as a professor in Karolinska Insitutet, Sweden and as an honorary professor in University of Groningen, The Netherlands.

Kirsti Lonka is a popular keynote speaker around the world. She has published more than 140 scientific articles and many books, the latest Lonka, K. (2018). Phenomenal Learning from Finland. Edita (available in Thai and 6 other languages).

More information: [kirstilonka.fi](http://kirstilonka.fi)

# Break-out Room: Speakers



**Dr. Jussi Kajala**

CEO, Co-founder  
3D Bear

*Integration of Metaverse Technology  
into Future Education*



**Dr. Andy Nguyen**

Postdoctoral Researcher  
University of Oulu

*Emerging Technologies in Education*



**Dr. Tuija Niemi**

University Teacher  
University of Turku  
Vice Principal  
Turku Teacher Training School

*Hybrid Learning Environment*

# Break-out Room: Speakers



**Faizol Musa**

Development Manager for Vietnam  
International Baccalaureate

*Open an IB school in Vietnam*



**Sanna Maria Manner**

Principal  
Vietnam-Finland International School

*How has Vietnam-Finland  
International School been established  
and developed?*



**Dr. Nhi Hoang**

University Teacher  
University of Eastern Finland  
Senior Consultant  
Wise Consulting Finland Oy

*How to develop students' transversal  
competencies*



## Dr. Jussi Kajala

Dr. Jussi Kajala is the CEO and co-founder of 3DBear, a Bill and Melinda Gates top 8 XR education company in the World. He is a pioneer in developing virtual learning environments using augmented and virtual reality and bringing them accessible to all. Recently 3DBear has enabled students to graduate during COVID-19 in vocational education when it would not have been otherwise possible.

Jussi has a degree from University of Cambridge, UK, a Ph.D. in computational physics, and has been responsible for developing the 3D industry in Finland as a team leader in Business Finland, where he received the employee of the year prize.

Previously, Jussi worked as an innovation consultant in Spinverse working with international clients in e.g, Russia, Ireland, and Denmark, and received the best salesman prize as a recognition of his work.



## Dr. Andy Nguyen

Dr. Andy Nguyen is a postdoctoral researcher working at the Learning & Educational Technology Research Unit (LET), University of Oulu, Finland.

He obtained his Ph.D. in Information Systems at the University of Auckland, New Zealand with his thesis by publications focusing on the design, development, and implementation of learning analytics information systems in higher education.

His work has been published in well-known journals and conference proceedings in the field of Educational Technology and Information Systems, including the European Journal of Information Systems and the British Journal of Educational Technology. He has been an associate editor of the journal of Policy Futures in Education.

His current research interests lie in bridging learning sciences, data analytics, information systems and technology, and related educational policy and management.



## Dr. Tuija Niemi

Dr Tuija Niemi is a vice principal, a teacher educator and a primary school teacher in the Teacher Training School of Turku. The Teacher Training School provides education for future teachers with strong links between the educational theory and good school practices.

Dr Niemi has 20 years of experience in teaching and teacher training. Besides teacher training her expertise lies especially in classroom teaching, foreign language learning and teaching and multicultural education. Dr Niemi has worked as a lecturer and educator in various occasions concerning language learning and teaching, bi- and multilingualism, content and language integrated learning and teaching (CLIL) and multilingual school and its pupils. She is responsible for the coordination of the teaching practices as well as for the content and language integrated learning (CLIL) program at the Teacher Training School.

Dr Niemi is also experienced in different international projects.



## Faizol Musa

Based in Kuala Lumpur, Malaysia, Faizol works with schools interested in offering IB programmes and key educational decision makers in the South East Asia region and Pakistan. His work also involves increasing the recognition of IB programmes by universities and governments. He has built an excellent reputation and strong relationships with various stakeholders such as schools, associations of schools, universities, media, and governments.

Faizol began his career in education management at the British Council in Malaysia as the Acting Deputy Country Exams Director, where he also held the position of Examinations Services Manager. His last position was Schools Development Manager Indonesia for a provider of international qualifications for five- to 19-year-olds before joining the IB in 2013.



# Sanna Maria Manner

Sanna received her master's degree from the University of Helsinki and completed post-graduate studies in advanced educational leadership at the University of Jyväskylä.

Since 2018, Sanna was the Principal of the Helsinki Upper Secondary School of Languages with 650 students in Grades 10-12. The school offers three programmes, including a bilingual (English-Finnish) programme, which she helped establish in 2019. From 2010 to 2017, Ms. Sanna was first the Assistant Principal and then the Principal of the International School of Vantaa, a comprehensive school (Grades 1-9) of 500 students.

She has a long career in education, including previous posts as Lecturer of Finnish language and literature at the University of Debrecen in Hungary and the University of Cluj, Romania.

In 2021, she joined Vietnam-Finland International School as the Head of School since its third year of operations onwards.



# Dr. Nhi Hoang

Nhi Hoang is a researcher and lecturer at University of Eastern Finland. She specializes in classroom quality and children learning engagement in early childhood education and care. Her evaluative research has been collaboratively conducted in different countries: Estonia, Finland, the Netherlands and Vietnam. During her career, she has been received several grants, fellowships and awards from many sources including Netherlands Fellowship Programs (2011), International Alumni Ambassador of University of Groningen (2012), Doctoral program grant (2013), Best paper of Finland by AACE-Association for the Advancement of Computing in Education (2019), Draft program grants (2017, 2019), Erasmus grant (2020), Postdoctoral research grant from Finnish Culture Foundation (2020). She also works as a senior advisor at WCF to train teachers in other countries about Finnish education system.

In the Future-ready education conference, she will be speaking about transversal competencies. With transversal competences, Finnish education aims to support students' growth as human beings, enhance competences needed for participating in democratic society, and support the development of a sustainable way of living. It is also essential to support students in recognizing their own strengths and developmental possibilities and in appreciating themselves.

# Contact us



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