Creating pathways for 21st century learning

INTERNATIONAL KEYNOTE

ALEC COUROS University of Regina, Canada

Who should attend: Educators | Principals | Edtech Leaders | Edtech Entrepreneurs | Policy Makers | CEOs

PAULINE CLEAVER, Ministry of Education
CLAUDE AMOS, Hobsonville Point Secondary School
BEN DANIEL, University of Otago
STUART WAKEFIELD, CIO, Ministry of Education
EDWINA MISTRY, NZTech Women
NICK PATTISON, Ormiston Junior College
DAVID GLOVER, Unitec Institute of Technology
JAY ALLNUT, Teach First NZ: Ako Mātātupu

3-4 JULY 2018
TE PUNA, UNITEC INSTITUTE OF TECHNOLOGY, MT ALBERT CAMPUS, AUCKLAND

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AGENDA

DAY 1  3 JULY 2018

8.30  Registration and coffee

8.50  Welcome from the Chair
Shane Kerr, Co-Chair, EdTech New Zealand

9.00  Ministerial address
Minister under invitation

9.15  A vision for lifelong learning and pathways to deliver a modern workforce
- Examining the trends and technologies disrupting and affecting the future workforce
- Identifying the competencies the future workforce will need
- Facilitating learning to prepare for the modern workplace

9.55  Panel – Creating integrated pathways for education, tertiary, trade and work place development in the digital age
Collaboration and excellence in the educational space is becoming extremely important if New Zealand is to move ahead as a digital nation and ensure a prosperous future. Join panellists from primary, secondary, tertiary, trade and business to discuss the important aspects we need to consider across all levels.
- Looking at effective ways of giving learners agency over their own learning processes and pathways
- Highlighting the importance of collaboration and consistency in the creation of future educational and career pathways
Claire Amos, Deputy Principal, Hobsonville Point Secondary School
David Glover, Executive Director - Partnerships, Business Development and Marketing, Unitec Institute of Technology
David White, Principal, Marshall Laing Primary School
Dr. Linda Sissons, CEO, Primary ITO
Josh Williams, CEO, Industry Training Federation

10.55  Youth Panel – Workforce in waiting
Technology is natural for the incoming generation of the workforce. Hear from tomorrow’s leaders as they share their thoughts on how we should be making the most of the technology revolution within our education system.
- Looking at technology as a tool for change instead of a distraction
- Creating positive learning environments
- Using technology as a tool rather than a crutch – supporting innovation from the class

11.15  Morning Break

11.35  Ministry of Education Address
The new Hangarau Matihiko and Digital Technologies curriculum content has been implemented to future proof our education system.
- How the new policy is reshaping our education system
- Examining the changes in how we assess our children and what tools can enhance learning?
- Looking into achieving outcomes in the new digital curriculum to stay ahead of expected OECD standards

12.05  Examining future models of learning
- Looking into the resources and tools of the future
- Examining the impact and potential of micro credentials and blended learning
- Creating effective and safe learning platforms to prepare students for the future workplace

12.45  Lunch break

1.35  Using data to inform better student outcomes
- Deciding what data to collect
- How to use the information the data collects to guide instruction and improve student learning
- Recognising the digital rights of students
- Using the data to predict and enhance learning outcomes
Ben Daniel, Associate Professor for Higher Education, University of Otago

2.15  Case Study: Effectively partnering with community and business to empower digital learning outcomes
Nick Pattison and his students from Ormiston Junior College join us to talk about the importance of purpose and relationships to create positive outcomes in the teaching of digital technologies. They will talk about their involvement with designing a working prototype for Fletcher Building, and also their work in designing and learning about robotics and coding.
Nick Pattison and students from Ormiston Junior College, Learning Designer, Ormiston Junior College

2.55  Case Study – improving access to digital tools and learning outcomes in Northland
A look into the model of collaboration between Northpower, Taitokerau Education Trust and the schools in Whangarei and Northland committed to improving access of digital tools and overall learning outcomes for students.
Darren Mason, CEO, Northpower Fibre
Liz Cassidy Nelson, EO, Taitokerau Education Trust
Hayley Read, Principal, Whangarei Intermediate

3.35  Afternoon break

3.55  He Muka Tāngata – Creating opportunities for kaikō and tamariki through digital technologies
Hinerangi Edwards and Tracy Henderson have worked closely together over the past 18 months on a number of projects relating to Digital Technologies and Hangarau Matihiko. This means connecting Māori worldviews, teaching worldviews and computer science worldviews to create meaningful connections and futures for our tamariki and mokopuna. This presentation will explore how we achieved this at a 4 day wānanga at Pūtahi marae and how we are continually adapting and creating because of this experience.
Tracy Henderson, Research Assistant – Computer Science in Primary Schools, University of Canterbury
Hinerangi Edwards, Director, Aatea Solutions
Day 2
4 July 2018

9.00 Welcome back from the Chair
Shane Kerr, Co-Chair, EdTech New Zealand

9.10 A challenge to the education sector
As an industry and a complete sector what is it that makes NZ stand out on the global stage as a digital educational leader?

9.30 Keynote – Addressing successful transformational change for 21st Century Learning
• Examining the main technological trends that have the ability to enhance learning
• Preparing the next generation of teachers and learners in order to minimise disruption
• Using digital technology to create positive learning outcomes in times of dramatic change
Alec Couros, Professor of Educational Technology and Media – Faculty of Education, University of Regina, Canada

10.10 Q&A with Alec Couros

10.20 Morning break

STREAM 1

10.50 Outlining the role of technology in supporting education
• How the development of technology is assisting better delivery of education
• Looking into the digital enablers of education - devices, connectivity, identity, data, standards and the cloud
• Highlighting opportunities for Ed Tech innovation
Stuart Wakefield, CIO, Ministry of Education

11.20 Session break

11.25 Case Study: Banqer – Challenges of teaching the financial capability of children and expanding EdTech into the Australian market
• Successful approaches to teaching children financial capability
• Knowing your economic viability, outlining the challenges, and the need for implementing a state by state approach
• Lessons learned and best practice for future export endeavours
Kendall Flutey, Co Founder, Banqer

11.55 Session break

12.00 Panel Discussion – Finding a productive balance in the use of digital resources in a learning environment
• Leveraging technology in education and successfully finding balance
• Highlighting security concerns and the best ways to mitigate risk
• Discussing options to create a platform for learning across all sectors
Amy Croxford, Team Leader, Hobsonville Point Primary School
Raphael Nolden, CEO, Osnova
Derek Wenmoth, Principal Consultant, Core Education

12.30 Lunch break

STREAM 2

The effect of emerging technology on education and it’s ability to revolutionise how we educate and communicate results
• Looking at the big picture of AI, VR, machine learning, avatars, blockchain and how technology is starting to change how we learn
• Recognising personalised learning as a new option
• Identifying and mitigating risks in the digital learning environment
Raphael Nolden, CEO, Osnova

Getting smarter with digital technology
Come in to learn how to code using Swift programming language. This hands-on conference workshop is designed for those with little or no programming experience. We will explore ways to use this language within the new digital technologies curriculum. iPads supplied.
Dila Beisembayeva, Lecturer and Academic Leader Computer Science, Unitec

The Success of Virtual Reality in Education
The use of Virtual Reality (VR) across all aspects of education is increasing. Welding, an essential skill across many trades, has always been a difficult skillset to acquire bringing together a multiplicity of complex motor skills and high level of cognitive understanding. In our hands-on workshop, we demonstrate how we successfully use Virtual Reality (VR) welding simulators to introduce novice welders to the welding process.
Lee Baglow, Lecturer and Academic Leader Vehicle Systems and Materials, Unitec
Chris Lovegrove, Lecturer Vehicle Systems and Materials, Unitec
1.25 **Incorporating the digital curriculum into the traditional schooling setting**
- Identifying the right professional development to upskill your teaching staff
- The importance of collaborating and making connections in your community
- Effectively engaging both staff and students to enhance learning outcomes

*Derek Wenmoth, Principal Consultant, Core Education*

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<tr>
<th>EdTech Resource Development</th>
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<td>- Balancing integrating technology and providing the right support for pedagogy</td>
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<td>- Creating accessible, effective solutions to empower students and teachers and equip them for the future</td>
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<td>- Highlighting the need for collaboration between tech developers, educators and businesses alike</td>
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1.55 **Session break**

2.00 **Addressing the digital divide – initiatives for inclusive technology adoption**
- The impact of the digital divide on the modern pedagogy
- Overcoming access issues and ensuring an even playing field
- Developing digital initiatives that are relevant and engaging for all involved

*Jay Allnut, CEO, Teach First NZ:Ako Mātātupu*

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<th>Assessing the impact of COLs (Communities of Learning) for digital enhancement</th>
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<td>- An insight into how COLs are helping New Zealand educators with digital technology</td>
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<td>- Strengthening collaboration and gaining maximum mutual benefits for all schools involved</td>
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<td>- Looking into how the model may evolve in the future</td>
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*David White, Principal, Marshall Laing Primary School*

2.30 **End of breakout sessions**

2.35 **Closing Panel Discussion: Empowering youth to design their own learning pathways through technology**
- Examining the options of having agency over your own learning
- Highlighting the importance of engaging with your community to create digital learning opportunities
- Ways to collaborate and help problem solve the business problems of tomorrow

*Mahsa Mohaghegh, IB Director/Founder, SheSharp, and Lecturer, School of Engineering, Computer & Mathematical Sciences, Auckland University of Technology*

*Edwina Mistry, Founder/Director, CreateOps, and Executive Director of TechWomen, NZTech*

3.15 **Closing remarks from Chair and end of Summit**

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**SEPARATELY BOOKABLE WORKSHOP**

**Thursday 5 July 2018 9.00am - 4.30pm**

**A Guide to 21st Century Learning**

We are currently exiting the age of personal computer and entering a new mobile reality. Emerging technologies now provide us with the tools to dramatically transform our learning environments, and for the first time in history, learners now have the technical ability to learn anywhere, anytime, and with anyone. Yet, transitioning away from our industrial model of education will not be easy, and leaves us with many questions.

This workshop will outline our new technological reality, feature examples of how social media and mobile devices can transform learning environments and guide participants in examining the potentials and pitfalls of 21st century learning.

- What does it mean to be literate?
- What is the role of digital fluency in teaching and learning?
- How can social networks be used to support student learning and teacher professional development?

**ALEC COUROS**

Professor of Educational Technology and Media
Faculty of Education, **University of Regina, Canada**
This is a must-attend summit for anyone involved in the transformational technological change sweeping the education sector in New Zealand at the moment.

Come along and learn about how technology is facilitating learning, redesigning pedagogy, and enhancing education and workplace development in the digital age.

Join us at this unique summit which brings together educators, principals, CEOs, policy makers and tech leaders to explore the impact of technology across pedagogy, digital technology learning, digital resources and edtech for export.

WHY YOU SHOULD ATTEND:

- Hear the latest on policy and regulation affecting the New Zealand education sector
- Learn best practice pedagogy for new digital initiatives
- Hear case studies and connect with NZ’s thriving Edtech entrepreneurs and community
- Network and connect with teachers, principals, educators, policy makers, publishers and tech leaders who are taking Kiwi education to the next level.

Alec Couros is a professor of educational technology and media at the Faculty of Education, University of Regina, in Saskatchewan, Canada.

An award-winning educator, Alec helps his undergraduate and graduate students take up the incredible affordances of our connected world through the integration of educational technology in teaching and learning. Alec is also a well-recognized scholar and researcher who has given hundreds of keynotes and workshops around the globe on diverse topics such as connected/networked learning, digital citizenship, social media in education, and critical media literacy, providing educators, students, and parents with the knowledge necessary to take advantage of and thrive in our new digital reality. Finally, Alec is a passionate advocate of openness in education and demonstrates this commitment through his open access publications, considerable digital presence and contributions, and highly successful MOOCs and open boundary courses.

In a time where the pace of change in our society is unprecedented, Education plays an even more significant role in the future of New Zealand.

Technology, used well has the potential to unlock value and realise meaningful and impactful educational outcomes, not just through the traditional Education phases such as K12 and Tertiary, but paired with continuous education over the span of our entire lives. During this period of change we must also ensuring that equity remains at the forefront.

EdTechNZ is proud to be collaborating with our partners to create this significant event that seeks to bring together leading educators, the tech leaders industry and the government to share best practice and to collaborate for a better future.

Alec Couros
University of Regina
Canada

SHANE KERR
Co-Chair
Ed Tech NZ

INTERNATIONAL KEYNOTE

CHAIR
SPONSORSHIP AND EXHIBITION OPPORTUNITIES

The Education and Technology Summit is a partnership event between EdTechNZ and Conferenz built with the collaboration and support of the Ministry of Education, Education New Zealand and NZTech. The Summit’s goal is to bring together the best practice in pedagogy with experts in technology, with an aim to stimulate new ideas and experience sharing to help support the evolution of education in New Zealand.

Align your company as a leading provider of services and solutions to the education technology sector. With the leading gathering of decision-makers and thought-leaders attending the Summit, ensure your company and its’ services are visible and supportive. Some high level limited partnership options exist with some limited exhibition space.

for a prospectus, contact: sponsorship@conferenz.co.nz or (09) 912 3616 or nick.elias@nztech.org.nz or 021 447 755

REGISTRATION OPTIONS

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WHAT HAPPENS IF I HAVE TO CANCEL?
YOU HAVE SEVERAL OPTIONS:
• Send a substitute delegate in your place
• Confirm your cancellation in writing (letter or email) at least ten working days prior to the event and receive a refund less a $300+GST service charge per registrant. Regrettably, no refunds can be made for cancellations received after this date.

GST No. 66-938-654

WOULD YOU LIKE TO BRING YOUR TEAM?
Competitive group booking options available.
Contact the team on 09 912 3616 for more information.

EXHIBITORS

EDUTECHLEADERS.CO.NZ

SUPPORTING ORGANISATION

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