ELF19 Venue: The Sargood Centre, 40 Logan Park Dr, North Dunedin*
*The Sargood Centre is at the end of Logan Park Drive, off Union St East, nr the Anzac Ave corner.

Day 1—Digital Divides & Dividends

8.15am **Registrationand networking**

8.50am **Mihi whakatau**, followed by refreshments

9.20am **Keynote**

Integrating Learning and Work in the Digital Age
-Challenges, benefits, an app and an appropriate qualification mechanism
The future of fast evolving vocational education and training will be one in which those who commence their learning at work can capture that learning in an effective way which allows for developmental learning and for credit towards qualifications.

Phil Ker
Chief Executive,
Otago Polytechnic

10.00am **Digital Divides**

Equitable Digital Access for Students
-How ConnectED has come to life and the impact of this for the community

Irihāpeti Mahuika
– Kaihautū Whakaako
Director of Learning,
Haeata Community Campus

10.30am **Networking Break**

11.00am **Digital Dividends**

DISRUPT-ED – A journey of embracing the future focus!
-The transformative journey from a traditional learning context to a future focused educational model.

Nicola Ngarewa
Principal,
Spotswood College

11.45am **Open Forum**

12.30pm **Networking Lunch Break**

1.30pm *Te Kura's transformative shift to online provision*
– The use of digital technology to enhance learning in terms of access, engagement and learner agency
Te Kura's award-winning online learning environment "My Te Kura" provides engaging, accessible personalised learning opportunities. We have adapted the international Big Picture learning approach to each learner's context. Our students engage in real life learning opportunities, with their passions and interests at the centre, and their whānau and community connected to their learning. Learners develop relevant skills and knowledge with learning that extends well beyond the traditional concept of the classroom.

Mike Hollings
Chief Executive,
Te Aho o Te Kura Pounamu (Te Kura)

Principal Sponsor

OTAGO POLYTECHNIC
Te Kura Matatini ki Otago

Sponsor

Te Kura
TE AHO O TE KURA POUNAMU
THE CORRESPONDENCE SCHOOL

Supporters

DUNEDIN

MINISTRY OF EDUCATION
TE TĀHUHU O TE MĀTAURANGA
AOTEAROA NEW ZEALAND

Day 1 Programme Continued ...

2.20pm **Presentations/ Demonstrations**

Virtual Reality Learning Tools in Prison
-Co-designing, developing and evaluating virtual reality learning tools with the aim of significantly improving engagement, completion and achievement rates for learners in prison literacy and numeracy programmes.

Cheryl Adams
CEO,
Animation Research

Jimmy McLauchlan
Business Development,
Methodist Mission Southern

3.15pm **Networking Break**

3.45pm *Humanising Technology via the world's first Digital Brain™*
—Soul Machines' breakthroughs in Experiential Learning add Human intelligence to AI, taking interactions beyond algorithms and enabling digital beings to accumulate experiences, learn, and respond emotionally.

Jessica Tulp
Business Associate,
Soul Machines

4.20pm **Open Forum**
Natural Intelligence > Artificial Intelligence

"The greatest challenge for AI is not the slow progress in top-down intelligence but the lack of attention to teaming intelligence that would allow the pairing of humans remarkable predictive powers with AI's superior bottom up analysis of data." Alonso Vera, NASA

Genuine AI breakthroughs are being made with assemblages of artificial neurons designed to model the primate brain and resemble the neural activity of intelligence but the human brain is still impossible to match. The age of AI helps us better understand the power of the Spine-Top Computer and the importance of human development, especially in the first 1,000 days. To get the most effective learning and doing from the dynamic interplay between NI and AI we need to understand the radical differences between even the crudest human mind and the most sophisticated computer programme.

5.00pm **Networking Drinks and Nibbles**

DIGITAL DIVIDES, DIVIDENDS & DANGERS

Programme

EDUCATION LEADERS FORUM 19

17 & 18 July | **Dunedin**

ELF19 Venue: The Sargood Centre, 40 Logan Park Dr, North Dunedin*
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Day 2—Digital Dividends & Dangers

8.30am   **Coffee and networking**

9.00am   *Education and Open Source IT Innovation*
-Opportunities for Generation Z and Lessons for Educators
Revealing insights into the fast changing world of work and lessons for educators in avoiding digital lock-in to proprietary platforms and ensuring delivery flexibility.

Paul Stevens
GM, The Open Knowledge Group, Catalyst IT

9.45am   *Dunedin: Digital Investments and Digital Dividends*
-Education-business links and evolving plans for a Centre of Digital Excellence.
Plans are advancing for a new Centre of Digital Excellence (CODE) in Dunedin which will build on the city's digital strengths, particularly in game and app development and associated sectors, including education and training.

Fraser Liggett
Economic Development Programme Manager, Enterprise Dunedin, DCC

10.30am **Networking Break**

11.00am **Digital Dangers**
Addressing Dangers of Screen Overuse
-Without conscious steps to be in control of one's use of screens, the journey to screen-dependence follows.
Extensive screen time can lead to behavioural problems, anxiety and depression*.*

Dr Mary Redmayne
Independent Researcher, Victoria and Monash University

11.30am *Online Safety and Wellbeing*
-Balancing the role of the learning community in managing online incidents, and actively developing what's needed for students at the crossroads of online safety, citizenship and wellbeing.

Anjie Webster
Education Advisor, Netsafe

12.00 Noon   *Handling Fake News and Flaky Views* Part 1
– Educating users to tackle online prejudice and handle information critically
The Christchurch shooting tragedy underlines the role of education in tackling prejudice and hate in social media and other online contexts by demonstrating the links between hateful comments and action. Social media platforms bring huge benefits such as a more open and inclusive society and opportunities for collective action. But they also diffuse responsibility for the public good and remove filters.

Educating young people to stay safe and not do harm is important, but just as important is educating them about how to participate and share constructively online, listen across differences, think critically and access credible sources of information.

Donald Matheson
Head of Media and Communication, University of Canterbury

Day 2 Programme Continued

12.30pm   **Networking Lunch Break**

1.30pm   *The New Digital Technologies Curriculum Content*
                -An ABC of computational thinking and digital technologies

The New Digital Technologies Curriculum Content sounds like it would be mainly about devices, but in fact it is more about people; devices aren't an end in themselves, but a means for helping people to achieve their goals. In addition, teachers might be concerned that the technology is too fast-changing to keep up with, and uses jargon that may become outdated quickly. This talk will look at the connection between the digital devices and people, including some key ideas and terminology foundational to digital systems, and reflections on helping teachers get up to speed with the curriculum. This will include exploring the lasting ideas that underpin the curriculum, illustrating them with examples from the Computer Science Unplugged approach.

Prof Tim Bell
Department of Computer Science & Software Engineering University of Canterbury

2.00pm–   **Concurrent Workshops**
3.45pm   An opportunity for a deeper exploration of some key issues, strategies and solutions relating to ELF19

Workshop 1 *Anticipating and Responding to Online Issues and Incidents: What's Needed*
This interactive workshop will look at:
-Effective online incident response.
-Proactive strategies for building a safer online environment.
-Resources to look at schools' context, what is in place and working, and help identify what's needed next.
-Examples of initiatives happening in schools.
-Research findings from Netsafe's Research team and abroad.

While recent events have shown us the worst of the Internet, we have also seen evidence of the immense opportunities to draw people together and harness humanity's strength and togetherness.

Anjie Webster
Education Advisor, Netsafe

Pauline Spence
Education Advisor, Netsafe

Workshop 2 *EduBits – a new way for learners to show what they know*
Otago Polytechnic, one of New Zealand's leading tertiary education institutes, is proud to be the driving force behind EduBits, our micro-credentialing service. In this session learn how EduBits can be used to partner educational delivery beyond the classroom, making learning accessible and visible to industry and learners.

Andy Kilsby
Director Employability, Otago Polytechnic

3.45pm   **Forum Concludes**