

FRONTIERS OF STRATEGY & INNOVATION



WORLD FORUM
DISRUPT

In Partnership with
Crazy Might Work

TAKEAWAY SUMMARIES

A compendium of insights from
World Forum Disrupt online from
Sydney Australia 2021.

AGENDA (CLICK TO NAVIGATE)

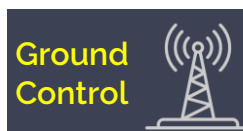
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YOUR HOSTS



Paul Hawkins
Chief Combobulator
Crazy Might Work



Melanie Farmer
Concierge of Co-Creation
Crazy Might Work



FRONTIERS OF STRATEGY & INNOVATION



Boundaries are being stretched in many sectors and the way we respond strategically requires us to think big, collaboratively and with increasing diversity. Where is the acceleration occurring and what are the new frontiers?

Australia's moonshot could be to become the healthiest nation in the world. We are an outdoors country. We have depth in medical and health. Building on these strengths, we could lead the way.

David Thodey
Chair, CSIRO

SPEAKERS



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Chair
CSIRO



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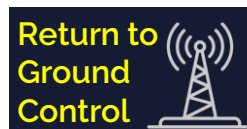
TOP TAKE AWAYS

Technology is going apace. The sectors experiencing the most radical change are **health, space** (climate, agriculture, water, mining), **food** and **clean energy**.

Valuing social responsibility and inclusion is not just the right thing to do, it also makes economic sense.

Our current pandemic is not unprecedented, but the development of a vaccine in under 12 months is. In a time when most of the scientists and innovators that have ever lived are alive, the frontiers are breakthrough thinking and collaboration.

We have crossed many frontiers; exploration across and under the oceans and out into space. The next frontier is the human mind, which we are just beginning to understand.



FRONTIERS OF SPACE



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Space has passed a tipping point where governments are no longer the main players in space and most space activity is now commercial. With the likes of SpaceX, Virgin Galactic and Blue Origin launching satellites and space tourism businesses, the cosmos seems fair game. Where are the commercial opportunities?

“ We have identified 319 skills that are required in space. We are going to need every skill in this sector from graphic designers to artists to data scientists. Follow your passion and trust it will have a place in space. ”

Frontiers of Space Panel World Forum Disrupt 2021

PANEL



Professor Steven Freeland
UN Space Governance Advisor
Bond University



Lynn McDonald
Space Lead for Australia
Microsoft Azure



Dr Joshua Chou
Senior Lecturer Biomedical
Engineering
University of Technology
Sydney



Dr Sarah Cannard
Deputy Industry Director
SmartSat CRC

TOP TAKE AWAYS

Legally, we are still yet to agree and determine where Earth ends, and space begins.

From scientists to artists, we need everyone in the space industry.

A throw-away comment by Stephen Hawking led Josh to the discovery that microgravity has a debilitating effect on certain cancers, with fascinating implications for potential therapies.

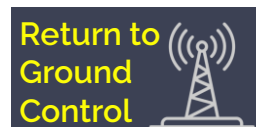
Some countries know more about Australian agriculture than we do! We need to invest in our local sovereignty in space.

If you have a problem, chances are space can help solve it - from crops to banking.

Space is already critical infrastructure, without which our banks, sewers and transport would fail. We need to educate ourselves and our next generations in space literacy.

We are developing capabilities like 'ground-station-as-a-service' which will allow you to easily command and control satellites and connect through Azure.

The extremes of space push our medical knowledge and offer direct Earthbound applications.



FRONTIERS OF LAW



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Law is one of the sectors that has been quite resistant to disruption, but change is accelerating and Australian firm Gilbert + Tobin are at the forefront of this change; even commercialising new legal technologies into the US. Where are the opportunities?

Australian firms are holding their own and pushing boundaries because we have an incredibly competitive landscape here.

Caryn Sandler
Partner and
Chief Knowledge and Innovation Officer
Gilbert + Tobin

SPEAKER



Caryn Sandler
Partner and
Chief Knowledge and Innovation Officer
Gilbert + Tobin

TOP TAKE AWAYS

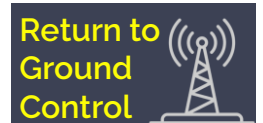
There is a significant increase in new legal entrants who are providers of legal automation, artificial intelligence, machine learning and natural language processing.

The search to solve problems in new ways has led to higher investment in innovation skills across the board.

There are increasing numbers of non-lawyers in law firms.

We are building 'T-shaped' lawyers who have legal knowledge as their trunk and branches that spread from design thinking to data visualisation.

Strategic trends include creative partnerships, flexible lawyering and self-help LegalTech solutions, that centralise risk and compliance in low-cost hubs.



FRONTIERS IN ENTERTAINMENT AND MEDIA



Entertainment and media have experienced significant disruption, innovation and growth in recent years. With this extraordinary growth set to continue, where are the opportunities?

Gaming may become something bigger in the context of the entertainment space as we move to story living in our own metaverse.

Chris Bennett
Chief Technology Officer
Dolby Laboratories Inc.

SPEAKER



Chris Bennett
Chief Technology Officer
Dolby Laboratories Inc.

TOP TAKE AWAYS

Virtual reality live events that take place on gaming platforms are attracting significant numbers. For example, the Travis Scott concert inside Fortnite which had 27 million *unique* visitors over 5 shows.

Ask the 12-year-olds of today if you want insights into what the consumers of tomorrow will want.

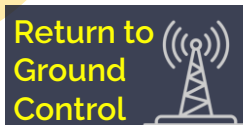
Video streaming passed the 1.6 billion subscribers milestone in 2020.

Dolby's High Dynamic Range (HDR) video is now the Hollywood standard, and it captures the full range of what the human eye can see.

Mobile games (worth \$85 bn) have eclipsed PC's (\$40 bn) and console gaming (\$33 bn)

Disney+ achieved 1 million subscribers within 10 months.

Virtual production stages like LED walls are transforming film studio stagecraft and immersive 'story living' is coming for consumers.



FRONTIERS OF ENGINEERING & SUSTAINABILITY



Sustainability affects us all. What is the changing role of engineers in designing a more sustainable and innovative future?

“ We need to invest in thinking infrastructure to deliver the future of a low carbon economy. We can’t innovate with tools alone. We need to offer engagement and inspiration. ”

Louise Adams
Chief Operating Officer
Aurecon

SPEAKER



Louise Adams
Chief Operating Officer
Aurecon

TOP TAKE AWAYS

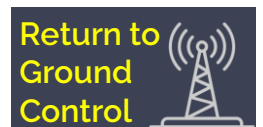
Remote, solar powered water treatment can transform the health and quality of life for remote communities. Applications in these settings may then have use in disaster settings as well.

We need engineers to dream and imagine a better future...focusing on purpose and vision, not just...the moment, or...financial metrics.

Human activity is changing our planet. In 2020, human-made materials weighed more than all life on Earth combined. The sheer amount of waste we dump has created 400 dead zones in our oceans

The square kilometre array will help us learn more about space in a decade than in the entire history of astronomy to date. Resulting engineering challenges include processing 5 X the global internet traffic of 2015.

We will be looking so deep into space that we will literally be looking back in time.



CONTACT

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Return to
Ground
Control 