



**New technology,
new opportunities**

SILVIJA SERES
2021

HOW TO DEVELOP EDUCATION?

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We are currently preparing students for jobs that don't yet exist, using technologies that haven't been invented, in order to solve problems we don't even know are problems yet.

Richard Riley

WHAT IS THE NEXT NORMAL?



Remote working and home offices, social cottages and educational travel. Digital courses, flipped classroom and lifelong development. Where do we start? What have we lost?

Silvija Seres

THE FUTURE OF WORK?

Studies:

- Oxford
- WEF
- OECD

**DON'T COMPETE WITH THE MACHINES.
JUST FOCUS ON BEING MORE HUMAN.**

Silvija Seres

THE FUTURE OF HUMANS?



Be more human.
Not perfect, just human.
It's more than enough.

Silvija Seres



AN EXAMPLE OF BLIND NIGHT SKIING

WHAT CAN THE FULLY CAPABLE LEARN FROM THE REST?

- COMPENASTION TECHNIQUES
- REPLACEMENT TALENTS
- COURAGE AND WILL

WHO CONTROLS THE FUTURE?



The future belongs to those
who ~~can hear it coming.~~

build it

WE LIVE IN A VUCA WORLD.

Volatile

Uncertain

Complex

Ambiguous

World's Largest Companies by Market Cap

Accurate as of July 29, 2016 (10:50am ET)

Apple	\$567.75 billion
Alphabet	\$546.49 billion
Microsoft	\$445.14 billion
Amazon	\$366.95 billion
Facebook	\$364.26 billion





Slate

Source: Google Finance

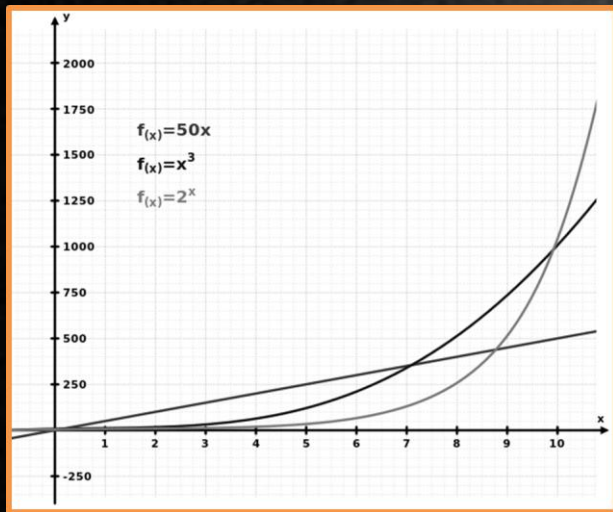
UNDERSTAND THE FORCES OF CHANGE.

Navigating the next industrial revolution



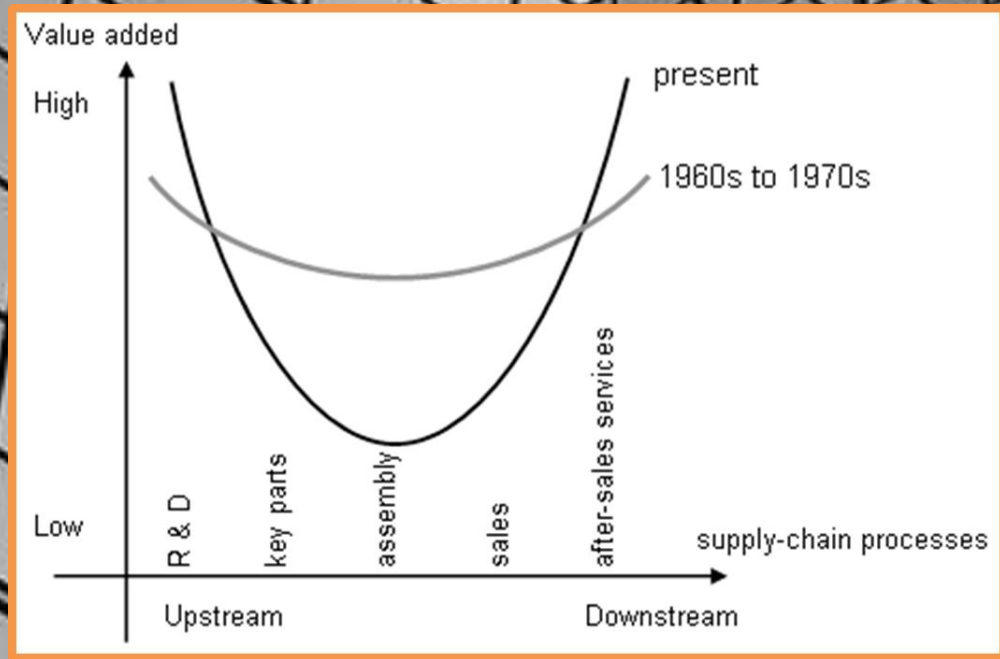
Revolution	Year	Information	
	1	1784	Steam, water, mechanical production equipment
	2	1870	Division of labour, electricity, mass production
	3	1969	Electronics, IT, automated production
	4	?	Cyber-physical systems

EXPONENTIAL GROWTH.





POLARISING POWERS.



COMBINATORIAL TECHNOLOGIES.

12 Gutenberg moments at once.

AI, big data

Robotics, automation

Biotech, bioinformatics

Energy, smart cities

3D printing, nanotech

Networks, sensors

Digital medicine

Fintech, regtech, edtech

VR and AR

Genetics

Transport and drones

Blockchain

A black and white photograph of three buckets. The bucket in the foreground is tipped over, showing its interior. The bucket in the background contains a small plant with white flowers and a rolling pin. The bucket on the right is upright and contains a strainer. The text '3 strategic buckets:' is overlaid on the left side of the image, followed by a list of three items: 'efficiency', 'new services', and 'social transformation'.

3 strategic buckets:

efficiency

new services

social transformation

NEW EFFICIENCIES.

Digitalisation changes education. Some opportunities:

- multi-channel, multi-format content
- compensating technology
- personalised paths and new methodology
- cross-functional and virtual collaboration

NEW TOOLS.

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Strong isn't about having a million strengths. It is about facing and growing from your weaknesses.

New student efficiencies:

- easier access to content
- better communication tools
- speech assisted learning
- compensation tools

A person wearing a VR headset is shown in a dark, misty forest. The person is holding the VR device with both hands, and their face is partially obscured by the headset. The background consists of bare trees and a cloudy sky, creating a somber and immersive atmosphere.

NEW CHANNELS AND SERVICES.

Examples of VR:
Vaccination
Ice bath
Google tilt brush

Tell me and I forget,
teach me and I may remember,
immerse me and I learn.

NEW METHODS.

- New pedagogical tactics:
- AI personalized teaching
 - flipped classroom
 - peer teaching
 - lifelong learning

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The purpose of education is to replace an empty mind with an open one.

Malcolm Forbes

What should we learn?

A black and white photograph of a craftsman in a workshop. The craftsman, wearing a cap and an apron, is focused on working with a piece of metal. The workshop is cluttered with various tools and materials, and a large window in the background allows natural light to illuminate the scene. The overall atmosphere is one of traditional craftsmanship and manual labor.

Technical vs instrumental skills:
both needed, the first is basic, the other is essential.



THE POWER OF DIVERSITY

- INNOVATION
- TALENTS
- DIRECTION

A grayscale background image of a person wearing a VR headset, looking forward. The person's face is partially visible, and the headset covers their eyes. The background is slightly blurred, showing what appears to be an outdoor setting with some structures.

NEW OPPORTUNITIES

HOW TO COMBINE TECHNOLOGY WITH HUMAN STRENGTHS

- EDUCATION
- MENTORS
- VISIBILITY
- PROJECTS AND PROBLEMS

IF NOT ME; WHO?
IF NOT NOW, WHEN?



Get going.
Hold out.

Care.
Dare.
Deliver.

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