

# Forum on Parents and Schooling

Thursday, 31 August 2017  
Ballroom 3, Level 3  
Orchard Hotel Singapore

PANEL IV  
The Future Education Landscape

PRESENTATION BY  
**Dr Lim Lai Cheng**  
Executive Director  
SMU Academy

CIPD, 2016

MEGATREND ▼

# DIGITAL TECHNOLOGY IS DISRUPTING THE STATUS QUO IN EVERY INDUSTRY

- Up to 47% of jobs (15 mil) could be automated within 20 years
- Intelligent machines will outnumber humans by 2030
- Top 10 in demand jobs in 2010 did not exist in 2004
- 65% of school children today will end up doing jobs not yet invented



# THE 5 JOBS THAT ROBOTS WILL TAKE FIRST

Digital Age, 27 Feb 2017

- Middle Management
- Sales People
- Journalists, Report Writers, Announcers
- Accountants & Book-keepers
- Doctors



Shelley Palmer, Top 10 LinkedIn Voices

## JOB LOSSES

PROBABILITY  
THAT  
TECHNOLOGY  
WILL LEAD TO JOB  
LOSSES WITHIN  
THE NEXT 2  
DECADES

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The Economist, 2013

Job	Probability
Telemarketers	0.99
Accountants & Auditors	0.94
Retail Salespersons	0.92
Real estate sales agents	0.86
Word processors and typists	0.81
Commercial pilots	0.55
Economists	0.43
Health technologists	0.40
Chemical engineers	0.02
Clergy	0.008
Dentists	0.004
Recreational therapists	0.003

The Straits Times, 16 Feb 2016

WARNING! ▼

**NO JOB SAFE  
FROM  
ROBOTS,  
SCIENTISTS AT  
AAAS WARN**

**Drivers, caddies, sex workers** - scientists warn that no job category will be safe from takeover by robots as rapid developments in artificial intelligence (AI) threaten a new era of mass unemployment.



## UNCOLLEGE



HACK YOUR  
EDUCATION

**Anti-college  
activism:  
The growing  
movement  
against the  
four-year  
degree**



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Dale Stephens, Founder

# FUTURE OF CREDENTIALS

MICRO-  
CREDENTIALING  
DIGITAL  
BADGING &  
NANODEGREES





# FUTURE OF TALENT SEARCH

ONLINE  
CHALLENGE-  
BASED SKILLS  
TESTING &  
COMPETITONS  
FOR UNBIASED  
RECRUITMENT



# FUTURE OF TALENT MATCH

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# FUTURE OF TALENT MATCH

## USING ARTIFICIAL INTELLIGENCE & BIG DATA FOR JOB MATCHING

Entry Level			Professional Level		
Top	Company	Jobs	Top	Company	Jobs
1	CJH Inspire Advisory Group...	20	1	DBS Bank Limited	17
2	United Overseas Bank Limited (UOB)	19	2	OCBC Bank (Singapore)	16
3	DBS Bank Limited	9	3	United Overseas Bank Limited (UOB)	15
4	OCBC Bank (Singapore)	7	4	NTUC Income Insurance Co-operative Ltd	5
5	NTUC Income Insurance Co-operative Ltd	5	5	Maybank	5
6	AXA Insurance Singapore	5	6	Financial Alliance Pte Ltd (TSL Group)	5
7	Forte Partners	4	7	Sumitomo Mitsui Banking Corporation	5
8	SJ GROUP	4	8	AXA Insurance Singapore	3
9	Prudential	3	9	KGI Fraser Securities Pte. Ltd	3
10	FORT FINANCIAL GROUP PTE LTD	3	10	RHB Bank Singapore	3
Middle Management Level			Senior Management Level		
Top	Company	Jobs	Top	Company	Jobs
1	United Overseas Bank Limited (UOB)	95	1	Citibank N.A.	74
2	DBS Bank Limited	23	2	DBS Bank Limited	47
3	Citibank N.A.	21	3	United Overseas Bank Limited (UOB)	40
4	OCBC Bank (Singapore)	13	4	HSBC Limited	2
5	CIMB Bank Berhad	9	5	MCK GROUP PTE LTD	1
6	Maybank	7	6	CIMB Bank Berhad	1
7	AXA Insurance Singapore	6	7	Citco Fund Services (Singapore) Pte Ltd.	1
8	The Bank Of Tokyo-Mitsubishi UFJ, Ltd	6	8	Maybank	1
9	Phillip Securities Pte Ltd	5	9	Heng Lee Seng LLP	1
10	NTUC Income Insurance Co-operative Ltd	4	10	Phillip Securities Pte Ltd	1

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