

AI/物聯網/智慧電網 簡介

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2023/3/8

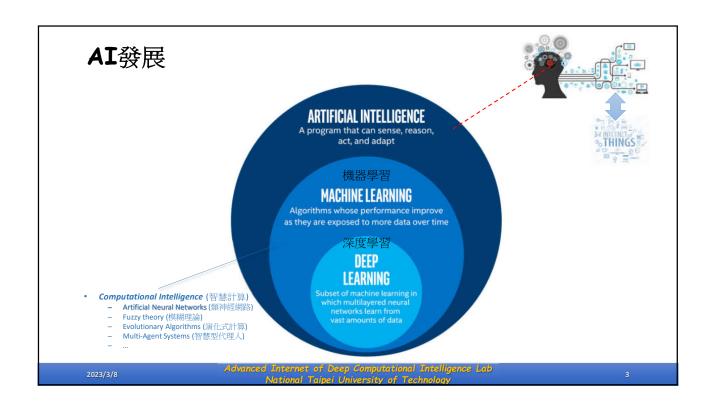
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課程說明

- 教學大綱與進度
 - https://aps.ntut.edu.tw/course/tw/ShowSyllabus.jsp?snum=314337&code=12275

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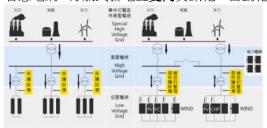


Smart Grid發展

• 傳統電網--集中式發電且單向電力潮流



• 智慧電網--分散式發電且雙向資訊化、自動化及智慧化

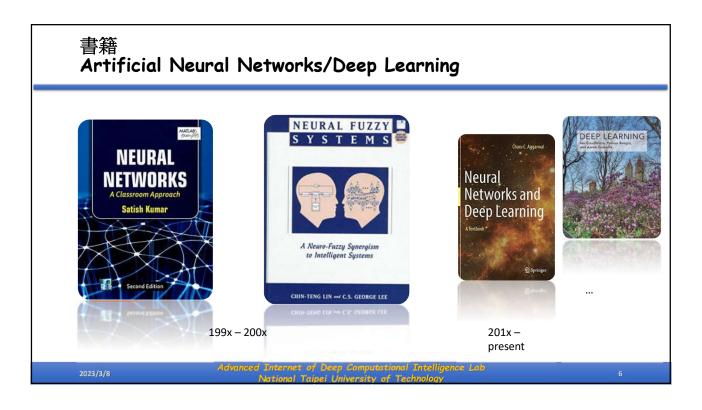


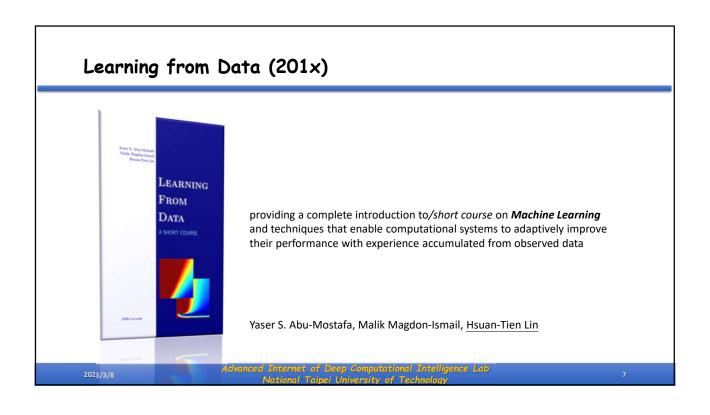
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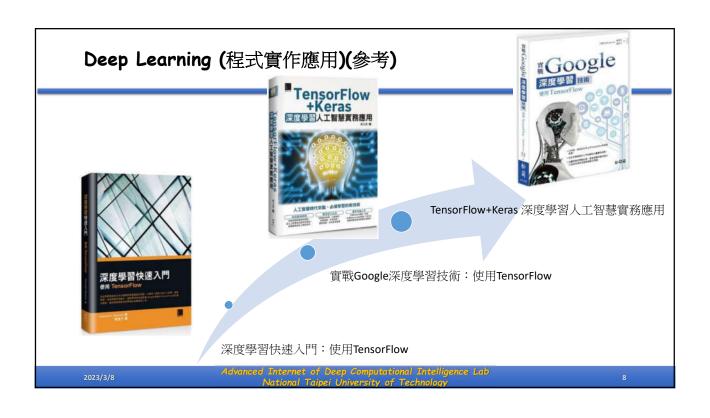
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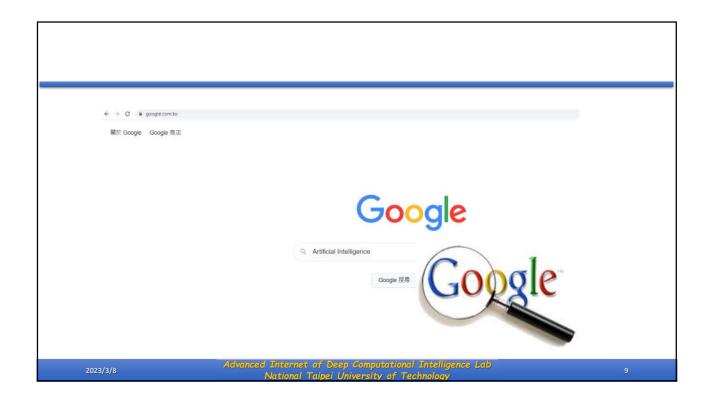
以智慧家庭為例

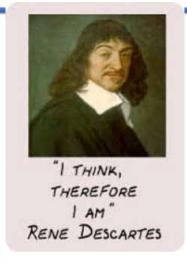
「智慧電鉄
「智慧電鉄
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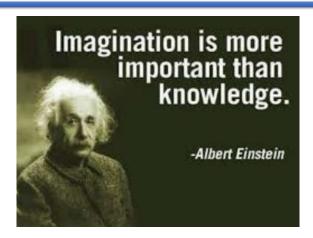




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10



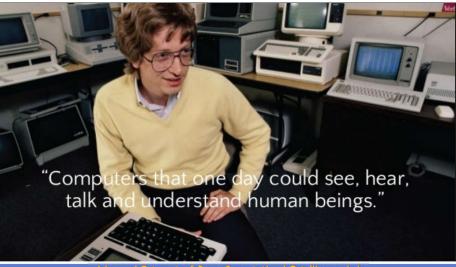
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	核心人才平均薪資職稱	平均年薪(台幣)
Deep Learning 頂尖AI工程師		300 萬
	資料科學家	122 萬
	演算法工程師	88 萬
	機器人工程師	83 萬
	數據分析師	75 萬
	機器視覺工程師	73 萬
SMALL D	_{ATA} 數據工程師	70 萬
Machine Le	arning	



AI--Bill Gates, 1991



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14

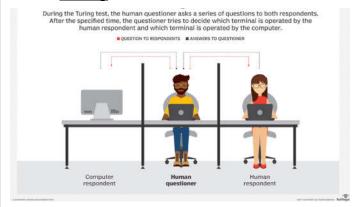


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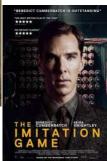
"Turing test"

 a test of a machine's ability to exhibit intelligent behavior that is equivalent to, or indistinguishable from, that of a human -- by <u>Alan</u> <u>Turing</u> in 1950





計算機之父-艾倫圖靈



電影《模仿遊戲》 在二戰中幫助盟軍破譯納粹德國 軍事密碼的真實故事

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"AI"

•於1980年,由約翰瑟爾(John Searle)提出

Weak AI



machines can demonstrate intelligence, but do not necessarily have a mind, mental states, or consciousness

Strong AI



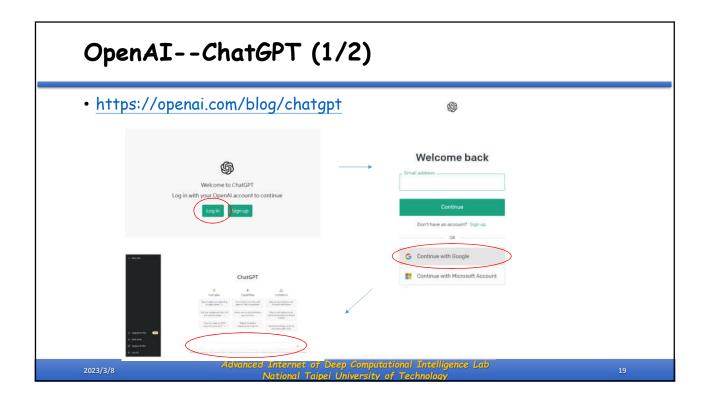
intelligent machines that intelligence matches or exceeds **human** intelligence

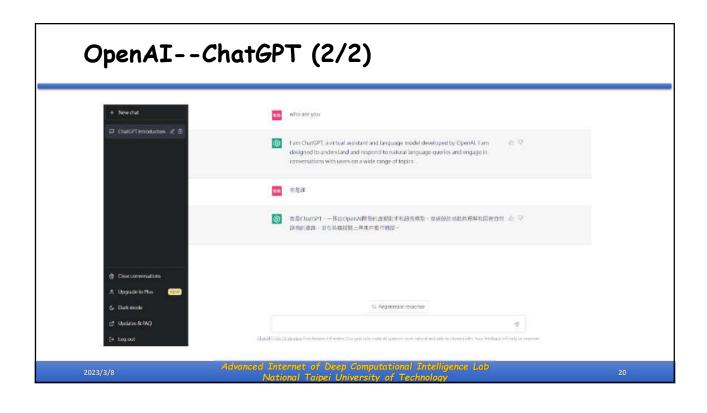
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17

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Boston Dynamics (Spot)

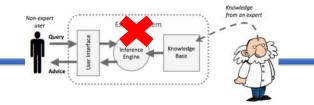
- https://www.youtube.com/watch?v=M8YjvHYbZ9w
- https://tw.news.yahoo.com/%E6%B3%A2%E5%A3%AB%E9%A0%93%E5%8B%9 5%E5%8A%9B%E5%85%AC%E9%96%8B-spot-%E5%95%86%E7%94%A8%E7%B4%B0%E7%AF%80-%E6%A9%9F%E5%99%A8%E4%BA%BA%E6%99%82%E4%BB%A3%E8%A6%81 %E4%BE%86%E4%BA%86-071624886.html

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- https://www.youtube.com/watch?v=uU2xGjHS7LM
 - 機器人進化 施崇堂大解密!**AI只是工具,首重數據創新!**





• An example...



AI技術發展趨勢

• Chinese room argument -- 由約翰·希爾勒提出的一個思想實驗,藉以反駁強人工智慧的觀點

擁抱weak AI



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2

• The End

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