FUTURE TECHNOLOGY

MEDICAL Intelligence

TELEMEDICINE & TELEHEALTH

Telemedicine allows health care professionals to evaluate, diagnose and treat patients at a distance using telecommunications technology. The approach has been through a striking evolution in the last decade and it is becoming an increasingly important part of the American healthcare infrastructure.

Telemedicine Benefits

Using telemedicine as an alternative to in-person visits has a host of benefits for patients and providers alike.
Patients enjoy:

- **Less time away from work**
- **No travel expenses or time**
- **Less interference with child or elder care responsibilities**
- **Privacy**
- **No exposure to other potentially contagious patients**

Providers enjoy:

- **Increased revenue**
- **Improved office efficiency**
- **An answer to the competitive threat of retail health clinics and on-line only providers**
- **Better patient follow through and improved health outcomes**
- **Fewer missed appointments and cancellations**
- **Private payer reimbursement**

MIXED REALITY : VR + AR + MR

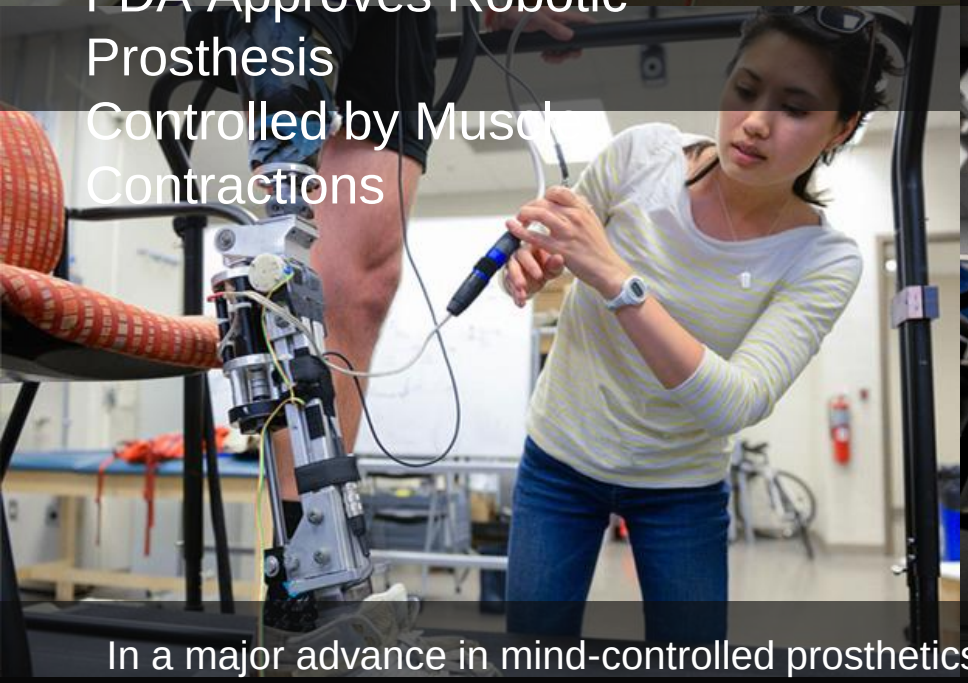
Virtual reality (VR), augmented reality (AR) and mixed reality (MR) are emerging technologies utilizing a variety of digital (artificial) immersion and overlays on the real world that users can interact with.

การผ่าตัดในพื้นที่
ห่างไกล
โดยแพทย์
ผู้เชี่ยวชาญผ่าน
ระบบเครือข่าย 5G

5G SUGERY
ROBOT
การผ่าตัดทางไกล

Ref: https://www.vox.com/2014/5/11/11626740/fda-approves-robotic-prosthesis-controlled-by-muscle-contractions

FDA Approves Robotic Prosthesis Controlled by Muscle Contractions



In a major advance in mind-controlled prosthetics for amputees, University of Michigan researchers have tapped faint, latent signals from arm nerves and amplified them to enable real-time, intuitive, finger-level control of a robotic hand.

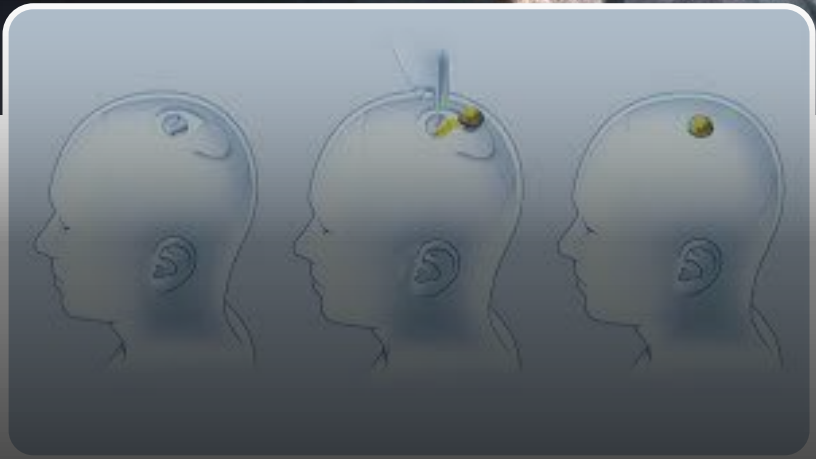
ORGANIC 3D PRINTER

FUTURE TREATMENT

Elon Musk demonstrated his startup Neuralink's technology to build a digital link between brains and computers.

Neuralink communicates with brain cells with 1,024 thin electrodes that penetrate the outer layer of the brain. Then there's a Bluetooth link to an outside computing device, though the company is looking at other radio technology it can use to dramatically increase the number of data links.

NEURALINK



HighFlowV2 Model II
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สถาบันเทคโนโลยี
พระจอมเกล้า
เจ้าคุณทหารลาดกระบัง

KMITLGO
TOUCH
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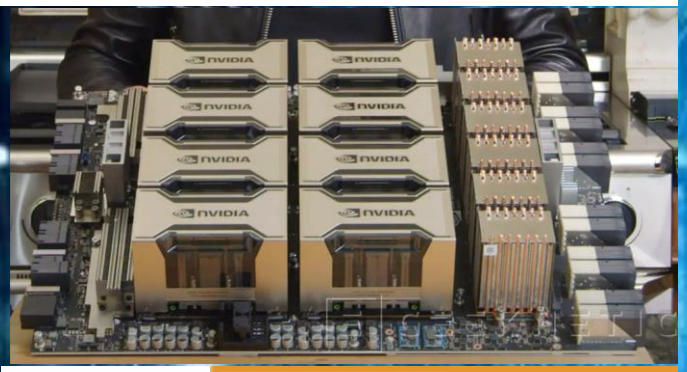
MIT

CMKL UNIVERSITY



MHESI
Ministry of Higher Education, Science, Research and Innovation

UWU

30 PETAFLOPS SPEED

APEX|CMKL AI Infrastructure

- AI Infrastructure
- World's Most Advanced AI Systems
- Spec: 30 petaflops/3 PB Storage
- AI Platform by CMKL
- Shared resources for Universities in Thailand
- Funded by Ministry of Higher Education, Science, Research and Innovation

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BANGK
KMIT
OK
I

“สถาบันปั้นโปรแกรมเมอร์”

ไม่มีครู ไม่มีค่าเทอม แต่สอบเข้ายาก

โรงพยาบาลพระจอมเกล้าเจ้าคุณทหาร

โรงพยาบาลเพื่อมุ่งสร้างสรรค์นวัตกรรมทางการแพทย์ และพึ่งพาตนเองสำหรับคนไทยทุก