

# BUILD YOUR OWN NEURAL NETWORK

FOR MPS, PEERS & STAFF

**28 FEBRUARY 2018  
10:30 - 11:30AM**

**ROOM C,  
1 PARLIAMENT STREET**

RSVP now to secure your spot. Email:  
appg@biginnovationcentre.com or call  
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JOIN APPG AI CHAIRS **STEPHEN METCALFE** AND **LORD CLEMENT-JONES** FOR  
AN INTERACTIVE, ONE-HOUR WORKSHOP

**ENGAGE DIRECTLY** WITH ARTIFICIAL INTELLIGENCE (AI)

**GET UP TO SPEED ON RECENT ADVANCES** IN AI AND UK POSITIONING

**RECEIVE TANGIBLE OUTPUT** TO USE IN MP CONSTITUENCIES AND COMMUNITIES

**Workshop led by**

**NVIDIA**

**With use cases from**

**UCL Hospital Neurology Department,**

**FiveAI (Autonomous Vehicles)**

**Milton Keynes City Council**

**STUART WILSON, AI & SUPERCOMPUTING DIRECTOR, NVIDIA**

"Artificial Intelligence has risen from science fiction to reality in just six years by taking the Artificial Neural Network - an algorithm considered a plaything for decades - and subjecting it to massive amounts of data & computing power and letting the software write itself! The underlying capability to automatically learn from the data it is subjected to has allowed neural networks to out-perform humans at a wide variety of tasks, and that list of competences is only growing in number.

We believe that this technology genuinely represents a new Industrial Revolution. It is of national importance that policy makers understand the core components, capabilities and limitations surrounding the modern AI boom. "

# WHAT TO EXPECT?

- **Introduction (10 min)** - NVIDIA will kick off introducing the topic and explaining the purpose of the workshop.
- **Neural Network Lab (30 min)** - Dynamic and interactive tutorial in which participants will go through the steps of building a neural network.
- **Use Case 1 (5 min)** - UCL Hospital Neurology Department will highlight advancements in healthcare in the UK.
- **Use Case 2 (5 min)** - FiveAI will highlight advancements in autonomous vehicles in the UK.
- **Use Case 3 (5 min)** - Milton Keynes City Council will highlight advancements in the public sector in the UK.
- **Key Takeaways (5 min)** - Concluding remarks and recommendations for using the output.

## WHAT IS THE AIM?

MPs and Peers will build their own neural networks and leave the briefing workshop with a better understanding on **what modern AI can do and what it can't do**.

Most importantly, each MP or Peer will be encouraged to take this knowledge to his/her constituency and to introduce the term 'Artificial Intelligence' to his/her local communities.

We hope MPs and Peers will depart with a better understanding of AI and share the information with their communities, encouraging their constituencies to engage with the topic. The presenters will focus on the importance of bringing the society up to date on the topic and will also provide recommendations on the messaging and framing of the discussion.

## WHO ARE THE KEY PRESENTERS?

**NVIDIA:** Well-known in the industry for its pioneering work in neural networking, will be the key presenter of the workshop.

**UCL Hospital Neurology Department:** A representative from the Healthcare sector, providing a use case of AI.

**FiveAI:** A representative from the Autonomous Vehicles sector, providing a use case of AI.

**Milton Keynes City Council:** A representative from the Public sector, providing a use case of AI. Teaching assistants from University computing groups will also be available to walk the floor and guide participants.

**RSVP NOW TO SECURE YOUR PLACE**

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