

# S3: Future Trends in Artificial Intelligence & Data



## An Introspective Review: Adaptive Artificial Intelligence

Monday 2<sup>nd</sup> & Tuesday 3<sup>rd</sup>, October 2017 - Winnipeg, Canada

**DIGITALIZATION:**  
INTELLIGENT PATHWAYS

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## Introduction

- What is Intelligence?
- Where do we gain Intelligence?
- Learned Behavior
- Adaptive Behavior
- How this applies to Artificial Intelligence?  
What is Adaptive AI?
- Why do we care?



## Fact or Fiction

### Mark Zuckerberg thinks AI will start outperforming humans in the next decade

Computer systems that can see, hear, and understand language better than their creators

by Ben Popper | Apr 28, 2016, 12:51pm EDT

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### Russia's Putin: Artificial intelligence leader will rule world

Published September 21, 2017 | Technology | FOXBusiness



Elon Musk is wrong.  
The AI singularity won't kill us all

### Elon Musk dismisses Mark Zuckerberg's understanding of AI threat as 'limited'

Someone get Bezos on the line, there's tech billionaire beef on Twitter

by James Vincent | @jvincent | Jul 25, 2017, 8:02am EDT

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### Google's AI head says super-intelligent AI scare stories are stupid

'I'm definitely not worried about the AI apocalypse,' says Google's John Giannandrea

by James Vincent | @jvincent | Sep 20, 2017, 4:34am EDT

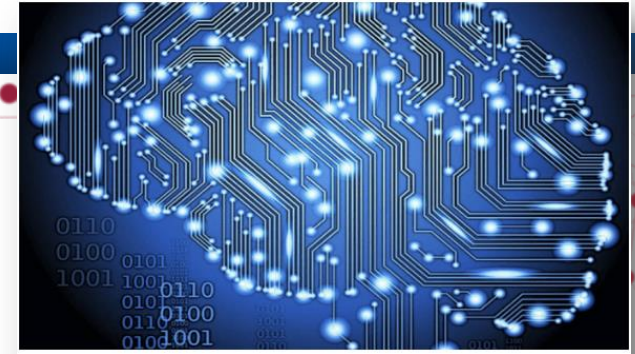
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### To control AI, we need to understand more about humans



- Expedient acceleration of Processing Power
- Apples New A11 neural network processor
- Event Correlation
- Adaptive Learning
- Applied Problem Solving
- Natural Language Processing - Chatbots



Microchip that can beat the Human brain power

### How Natural Language Processing is Helping to Revitalize Physician Documentation

Technologies like NLP have emerged as a means to aid in reducing the clinical documentation burden that is currently plaguing MDs



- Use Cases and Applications
  - Machine Learning - Virus Outbreaks
- Adaptive Learning to fuel innovation
  - Biometrics – Facial Recognition
  - Records Adjudication
  - Target Commerce

