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Cornell
SC Johnson College of Business

Artificial Intelligence and Machine Learning in the Financial Industry

Thursday 2 May, 2019

Convene at 237 Park, 237 Park Avenue, New York, New York

The advent of digital technologies such as automation and computerised systems has changed our environment substantially by providing enormous amounts of data. Artificial intelligence (AI) and machine learning (ML) provide us with the capabilities of making the most of this new digital era. Apart from the public perception of science fiction-like applications of AI/ML such as robots, there are numerous practical applications with the aim of reducing costs, increasing benefits, optimising resources and improving the accuracy of decisions. These aims can be achieved in a wide range of business functions across the financial industry, resulting in increased productivity and a far more personalised offering to customers.

There are, however, many practical and ethical considerations that need to be taken into account before implementing AI/ML within an organisation. Do you have enough data, and is it the right kind of data? Are there legal or regulatory restrictions concerning the data? Can you trust (and explain) the results derived from AI/ML applications? What is the impact on individual roles within an organisation, and employment levels generally?

This one day conference aims to explore these and other considerations. The SWIFT Institute, in partnership with the SC Johnson College of Business, Cornell University, will define what AI/ML are, and what they are not. We will look at how AI/ML are being used today across the financial industry as well as other industries that we can learn from. And we will explore the opportunities for further implementation of AI/ML, as the financial industry continues to innovate and evolve.

- Introduction to AI – Dispel Myths / Set Expectations
- Business Applications & Opportunities
- Limitations in Deploying Artificial Intelligence
- Ethical & People Considerations

Taking place on Thursday 2nd May 2019 at Convene at 237 Park in New York City, this conference is free to attend, and aimed at financial industry practitioners involved in AI/ML as well as those looking to improve the performance and productivity of their department or organisation. You will hear from experts in academia and from technology organisations as well as from those within the financial industry itself.

All delegates must be registered to attend, which you can do via the following link:

- [REGISTER HERE](#)



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08:30 - 09:00	Registration and Welcome Coffee
09:00 - 09:20	<p>Welcome / Opening Remarks</p> <p><u>Speakers</u></p> <ul style="list-style-type: none"> ○ Yawar Shah – Advisory Council, SWIFT Institute and Chairman, SWIFT Board ○ Soumitra Dutta - Professor of Operations, Technology and Information Management, Cornell SC Johnson College of Business
09:20 - 09:45	<p>Opening Key Note – Putting AI at the Center of Digital Transformation</p> <ul style="list-style-type: none"> ○ Kartik Hosanagar – John C. Hower Professor of Technology and Digital Business, the Wharton School, University of Pennsylvania
09:45 – 10:45	<p>Panel 1 – Introduction to AI / ML – Dispel Myths and Set Expectations</p> <p><u>Moderator</u> – Soumitra Dutta - Professor of Operations, Technology and Information Management, Cornell SC Johnson College of Business</p> <p><u>Panellists</u></p> <ul style="list-style-type: none"> ○ Kartik Hosanagar – John C. Hower Professor of Technology and Digital Business, the Wharton School, University of Pennsylvania ○ TBC ○ TBC ○ TBC
10:45 – 11:15	Coffee Break
11:15 – 11:30	<p>Topic 2 – Business Applications & Opportunities</p> <ul style="list-style-type: none"> ○ <i>Claudia Perlich</i> – Senior Data Scientist, Two Sigma
11:30 – 12:30	<p>Panel 2 - Business Applications & Opportunities</p> <p><u>Moderator</u> – Bruce Weber – Dean and Professor of Business Administration, Lerner College of Business and Economics, University of Delaware</p> <p><u>Panellists</u></p> <ul style="list-style-type: none"> ○ Claudia Perlich – Senior Data Scientist, Two Sigma ○ Nasir Uddin - Head of Data Science / Engineering (DSE) & Artificial Intelligence Research Lab for the Enterprise (AIRLE), Quantitative Risk Management (QRM), DTCC ○ Paige Dickie – Vector Institute for AI (Toronto)
12:30 - 13:30	Lunch
13:30 – 13:45	<p>Topic 3 - Limitations in Deploying Artificial Intelligence</p> <ul style="list-style-type: none"> ○ TBC



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13:45 – 14:45	<p>Panel 3 - Limitations in Deploying Artificial Intelligence</p> <p><u>Moderator</u> – TBC</p> <p><u>Panellists</u></p> <ul style="list-style-type: none"> ○ TBC ○ TBC ○ TBC
14:45 – 15:15	Coffee Break
15:15 – 15:30	<p>Topic 4 - Ethical & People Considerations</p> <ul style="list-style-type: none"> ○ TBC
15:30 – 16:30	<p>Panel 4 - Ethical & People Considerations</p> <p><u>Moderator</u> – Katherine Gorman – Senior Producer, Collective Next</p> <p><u>Panellists</u></p> <ul style="list-style-type: none"> ○ TBC ○ Alex John London – Clara L. West Professor of Ethics and Philosophy Director, Center for Ethics and Policy, Director, Ethics History and Public Policy Program, Carnegie Mellon University ○ TBC ○ TBC
16:30 – 17:00	<p>Closing Key Note – Looking to the Future</p> <ul style="list-style-type: none"> ○ Vasant Dhar –Professor, Stern School of Business and NYU Center for Data Science
17:00 – 17:05	<p>Thanks and Close</p> <p><u>Speaker</u></p> <ul style="list-style-type: none"> ○ Peter Ware, Director, SWIFT Institute
17:05 – 18:00	Cocktails