TECHNOLOGY TRANSFER PRESENTS

BARRY DEVLIN

How Artificial Intelligence and IoT will transform Decision Making

NOVEMBER 22, 2017

RESIDENZA DI RIPETTA - VIA DI RIPETTA, 231
ROME (ITALY)

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ABOUT THIS SEMINAR

With the enormous growth of Big Data, especially from Internet of Things (IoT) devices, now is the time to start planning for and building skills and infrastructure in Artificial Intelligence (AI) and IoT to take advantage of new technologies in support of Decision Making in your business.

Artificial Intelligence has had a long and chequered history. Multiple periods of over-optimism have been followed by "AI Winters" since the 1950s. AI has come of age and is being embedded in mainstream technology from cars to call centres, and smartphones to IT systems, enabled in large part by IoT. The Internet of Things is driving exponential growth in data describing the physical world. This massive deluge of data supports AI and suggests that this "AI Summer" is not going to fade.

Under a range of names - deep learning, autonomous vehicles, cognitive computing, robotics, algorithms and more - AI and IoT together offer both the threat and the promise of revolutionising all aspects of IT, business and, indeed, society. What do you need to know about them? How should you prepare for and react to their growing importance in your business and IT environments, especially in their likely transformation of Decision Making support?

In this seminar, Dr. Barry Devlin lays the foundation to enable you to take advantage of AI and IoT data, building upon familiar computing paradigms such as programming, operational systems, databases, analytics and Business Intelligence. Exploring the relationship between Big Data and many types of deep learning, we position traditional and emerging BI tools and techniques in the practical application of AI in the business world. Extrapolating from the rapid growth of AI and IoT in the consumer world, we see where and how it will drive business and likely impact IT. Based on new models of Decision Making at the organisational and personal levels, we examine where to apply augmentation and automation in the roll-out of AI. Finally, we address the ethical and economic implications of widespread adoption of Artificial Intelligence and the Internet of Things.

WHAT YOU WILL LEARN

- What is AI? A brief history and explanation of its evolution key concepts and terminology
- Understanding the IoT and its importance to AI as the new driver of business value
- A comprehensive architecture and framework spanning from traditional BI to AI and beyond
- Approaches to applying AI to decision making - augmentation vs. automation
- Implications of AI and IoT for the IT department
- New technology solutions needed to build out business applications of AI and IoT
- Evolving from today's BI to future AI- & IoT-based solutions
- Ethical and economic considerations for your business and beyond

WHO SHOULD ATTEND

- Enterprise, systems, solutions and data Architects in Data Warehouse, BI and Big Data
- Systems, strategy and Business Intelligence Managers
- Data Warehouse and systems Designers and Developers
- Tech-savvy business Analysts

Outline

1. Why AI and IoT and why now?

- A history of Artificial Intelligence and its evolving meanings
- The Internet of Things - past, present and future
- AI and IoT - a marriage made in the Cloud

2. The business of Decision Making, unlocked

- How decisions are made - as individuals and as organisations
- Models for Decision Making from the human timeframe to machine speeds
- Business use cases of evolving modes of Decision Making

3. Artificial Intelligence and the Internet of Things understanding the nuances

- A primer in AI terminology and techniques
- Machine learning, cognitive computing and leading-edge techniques
- Artificial Intelligence applied - a review of use cases
- Comparing IoT to "traditional" Big Data and machine data
- The role of IoT data in training and using AI
- Technologies and techniques to consider

4. Cognitive Decision Making - diving deeper

- The evolving role of algorithms in Decision Making
- The key to cognitive Decision Making information structure/context vs. problem complexity
- Automation vs. augmentation of Decision Making
- Positioning human Decision Makers
- Defining the future of Decision Making

5. The ethics and economics of algorithmic Decision Making

- Ethical considerations for business, IT and solution Developers
- Ethics in a societal context
- Economic impacts of the rise of AI and cognitive Decision Making
- A call to action

Speaker

Barry Devlin is He is among the foremost authorities on Business insight and one of the founders of Data Warehousing, having published the first architectural paper on the topic in 1988. With over 30 years of IT experience, including 20 years with IBM as a Distinguished Engineer, he is a widely respected analyst, consultant, lecturer and author of the seminal book, **Data Warehouse - from Architecture to Implementation** and numerous White Papers. His 2013 book, **Business unintelligence - Insight and Innovation beyond Analytics and Big Data** is published by Technics Publications and available in both hardcopy and e-book formats. As founder and principal of 9sight Consulting, Mr. Devlin provides strategic consulting and thought-leadership to buyers and vendors of BI solutions. He is currently developing new architectural models for fully consistent Business support - rom informational to operational and collaborative work. Based in Cape Town, South Africa, Barry's knowledge and expertise are in demand both locally and internationally.

INFORMATION

PARTICIPATION FEE

€ 700

The fee includes all seminar documentation, luncheon and coffee breaks.

VENUE

Residenza di Ripetta
Via di Ripetta, 231
Rome (Italy)

SEMINAR TIMETABLE

9.30 am - 1.00 pm
2.00 pm - 5.00 pm

HOW TO REGISTER

You must send the registration form with the receipt of the payment to:
TECHNOLOGY TRANSFER S.r.l.
Piazza Cavour, 3 - 00193 Rome (Italy)
Fax +39-06-6871102

within
November 7, 2017

PAYMENT

Wire transfer to:
Technology Transfer S.r.l.
Banca: Cariparma
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GENERAL CONDITIONS

DISCOUNT

The participants who will register 30 days before the seminar are entitled to a 5% discount.

If a company registers 5 participants to the same seminar, it will pay only for 4.

Those who benefit of this discount are not entitled to other discounts for the same seminar.

CANCELLATION POLICY

A full refund is given for any cancellation received more than 15 days before the seminar starts. Cancellations less than 15 days prior the event are liable for 50% of the fee. Cancellations less than one week prior to the event date will be liable for the full fee.

CANCELLATION LIABILITY

In the case of cancellation of an event for any reason, Technology Transfer's liability is limited to the return of the registration fee only.

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Registration fee:
€ 700

If registered participants are unable to attend, or in case of cancellation of the seminar, the general conditions mentioned before are applicable.

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