



TRACTICA SEMINAR

Artificial Intelligence: Key Industry Applications and Hardware Trends

Businesses worldwide are clearly recognizing the value associated with incorporating artificial intelligence (AI) into their business processes. The number of proof-of-concept and pilot programs continues to grow, and larger scale commercial deployments are being publicized by organizations around the globe. Indeed, much of the success of AI is due to the fact that most tasks currently delegated to AI technology are data-driven and therefore easily measured or benchmarked. When AI technology is deployed, even during a small pilot program, the benefits can quickly be demonstrated and proven by looking at the performance data. Yet, even as AI begins to transform business processes across a number of key industries, it is also forcing executives to consider new technology architectures and hardware configurations to support these expanded capabilities.

This Tractica seminar will examine six key industries that are at the forefront of AI adoption: telecommunications, automotive, healthcare, advertising and media, consumer, and retail. The seminar will provide an in-depth analysis of the AI use cases being implemented within these industry sectors, along with real-world case study examples from around the world and the key industry players who are deploying them. In addition, the seminar will provide an up-to-the-minute view of the impact AI implementations will have on technology architectures across compute, networking, and storage. It will also feature a spotlight view of key emerging trends in enterprise high performance computing (HPC), quantum computing, and AI in a variety of edge devices. The seminar will utilize the latest research and market sizing, segmentation, and forecasts from Tractica's ongoing market analysis in the rapidly evolving AI sector.

SEMINAR AGENDA

1. Introduction to Tractica and Research Methodology

2. Artificial Intelligence Key Industry Applications

Clint Wheelock, Managing Director

Large-scale AI deployments began with consumer internet companies and the technology has now become a key pillar of how those companies operate, allowing them to roll out hyper-personalized services by following an "AI first" strategy. The rest of the market is still catching up on adopting AI and is diligently assessing its value, including the breadth and depth of use cases, the technology choices, and the implementation strategies for AI. Several of the industry verticals at the forefront of AI pilot projects and deployments include telecommunications, automotive, healthcare, advertising and media, and retail, and Tractica's analysis indicates that these industries represent a substantial share of the total long-term market potential for AI. This seminar session will examine use cases, case study examples, and key industry participants for each of these key industry sectors in turn.

- Overall Market Drivers and Challenges
- AI Business Models
- Telecommunications
 - Use Cases
 - Case Study Examples
 - Key Industry Participants
- Automotive
 - Use Cases
 - Case Study Examples
 - Key Industry Participants

- Healthcare
 - Use Cases
 - Case Study Examples
 - Key Industry Participants
- Advertising and Media
 - Use Cases
 - Case Study Examples
 - Key Industry Participants
- Consumer
 - Use Cases
 - Case Study Examples
 - Key Industry Participants
- Retail
 - Use Cases
 - Case Study Examples
 - Key Industry Participants

3. Artificial Intelligence Key Hardware Trends

Aditya Kaul, Research Director

The race for making perfect hardware to accelerate AI applications is heating up and many companies are jumping in with their products and services. Of the three key parts of hardware infrastructure – compute, storage, and networking – compute has made significant progress in the last couple of years. The other two areas, storage and networking, are somewhat slower to develop and have yet to see major innovations pertaining to AI applications, however a number of key industry participants are developing product plans that should change this situation in the next few years. In addition, AI is having a significant impact on the design of high-performance computing (HPC) systems for enterprise applications, future quantum computing systems, and a wide variety of edge devices including mobile devices, smart speakers, head-mounted displays, automobiles, PCs, and tablets, to name just a few.

- Technology Roadmap
- Technology Architectures
- Compute / Chipsets
 - Technology Trends
 - Market Forecasts
- Networking
 - Technology Trends
 - Market Forecasts
- Storage
 - Technology Trends
 - Market Forecasts
- High Performance Computing
 - Technology Trends
 - Market Forecasts
- Quantum Computing
 - Technology Trends
 - Market Forecasts
- AI in Edge Devices
 - Technology Trends
 - Market Forecasts

4. Conclusions and Future Outlook



5. Questions and Answers

SEMINAR SPEAKERS

CLINT WHELOCK, MANAGING DIRECTOR



Clint Wheelock is the founder and managing director of Tractica. He leads all research operations at the firm, including management of its analyst team as well as client interactions and consulting engagements. His personal research focuses on artificial intelligence and user interface technologies.

Wheelock has an extensive background in market intelligence focused on emerging technologies. Most recently, he was founder and president of Pike Research, a leading market intelligence firm focused on the global clean technology industry, which was acquired by Navigant Consulting, after which Wheelock led the rebranded Navigant Research business as its managing director. In this role, he managed all aspects of company operations, including research, sales, marketing, finance, and operations. Prior to forming Pike Research, Wheelock was chief research officer at ABI Research, vice president at the NPD Group, and research director at In-Stat. Previous positions also include senior product management and strategic marketing roles at Qwest Communications and Verizon Communications, as well as prior experience in management consulting and private investment banking. Wheelock holds an MBA from the University of Dallas and a BA from Washington & Lee University.

ADITYA KAUL, RESEARCH DIRECTOR



Aditya Kaul is a research director at Tractica, with a focus on wearables, robotics, artificial intelligence, and blockchain. Kaul has more than 12 years of experience in technology market research and consulting. He is based in London.

Prior to Tractica, Kaul was a practice director at ABI Research, where he led the firm's Mobile Networks research group. He has also been an independent consultant, providing industry participants with strategic business and technology consulting in the areas of Internet of Things, smart cities, and wearable computing. He was previously a senior analyst at Pioneer Consulting, where he established a new wireless research and consulting practice. In addition, Kaul was team leader at Evalueserve, heading a team of analysts conducting business research in the areas of telecommunications and IT. He has also held internships at Qualcomm and Siemens. Kaul has been a prolific speaker, moderator, and panelist at industry conferences and events, and has appeared frequently in the media including The Wall Street Journal, The Financial Times, Forbes, CNBC, The Motley Fool, VentureBeat, Unstrung, ZDNet, Wireless Week, EE Times, and CommsDesign, among others.

Kaul holds two master's degrees in engineering, from Colorado State University and Pennsylvania State University, as well as a bachelor's degree in electrical engineering from National Institute of Technology, Surat in India.

データリソース主催

人工知能：主要用途とハードウェア動向

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参加申込書

日 時	2018年10月15日(月) 13時15分～17時 (13時受付開始)
開催会場	ラーニングスクエア新橋 4AB JR 新橋駅烏森口からより徒歩2分、ほか (詳細 PDF)
参加費	無料 (事前登録制・先着順)
主 催	株式会社データリソース

* 開催内容は一部変更になる場合がございます。予めご了承下さい。

株式会社データリソース FAX : 03-3582-2861

貴社名 _____

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お名前 _____ 部署名・役職名 _____

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電話 _____ FAX _____

ご質問などございましたら、お書き添えください。

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