

# Semiconductors: the driving force behind the Artificial Intelligence Evolution

## Fuelling the AI Revolution with Gaming



A. B. Lowndes  
AL DevRel | EMEA  
NVIDIA, Reading, United Kingdom



### Abstract

Artificial Intelligence is impacting all areas of society, from healthcare and transportation to smart cities and energy. AI won't be an industry, it will be part of every industry. NVIDIA invests both in internal research and platform development to enable its diverse customer base, across gaming, VR, AR, AI, robotics, graphics, rendering, visualisation, HPC, healthcare & more.

Alison's talk will introduce the hardware and software platform at the heart of this Intelligent Industrial Revolution: NVIDIA GPU Computing. She'll provide insights into how academia, enterprise and startups are applying AI, as well as offer a glimpse into state-of-the-art research from world-wide labs & internally at NVIDIA, demoing, for example, the combination of robotics with VR and AI in an end-to-end simulator to train intelligent machines.

Beginners might like to try our free online 40-minute class using GPU's in the cloud:  
[www.nvidia.com/dli](http://www.nvidia.com/dli)

### Biography

Artificial Intelligence DevRel | EMEA

After spending her first year with NVIDIA as a Deep Learning Solutions Architect, Alison is now responsible for NVIDIA's Artificial Intelligence Developer Relations in the EMEA region. She is a mature graduate in Artificial Intelligence combining technical and theoretical computer science with a physics background & over 20 years of experience in international project management, entrepreneurial activities and the internet. She consults on a wide range of AI applications, including planetary defence with NASA, ESA & the SETI Institute and continues to manage the community of AI & Machine Learning researchers around the world, remaining knowledgeable in state of the art across all areas of research. She also travels, advises on & teaches NVIDIA's GPU Computing platform, around the globe.

Twitter: @AlisonBLowndes.

## Artificial Intelligence - The next big growth driver for the semiconductor industry



T. Schadt  
Principal  
PwC Strategy&, Munich, Germany



### Abstract

In its bi-annual Global Semiconductor Report, PwC analyzes market development, key drivers and growth opportunities for the global semiconductor market. The presentation will provide insights into the next edition of the report series with a spotlight on Artificial Intelligence (AI) and the digitization of semiconductor companies. We will elaborate on AI as the next big growth driver in the semiconductor market: What are new "AI-driven" top target markets and applications? How will the AI ecosystem evolve and what is the role of semiconductor companies? Will AI democratize the innovation in the industry creating a new uprise of semiconductor startups? What is driving value most in the digitization of semiconductor companies? What are resulting potential opportunities and risks for European semiconductor companies?

### Biography

Tanjeff Schadt has 8 years of experience in management functions in the industry (R&D project and product portfolio manager) and 6 years of experience in strategy consulting. He specializes in go-to-market strategy as well as innovation and R&D excellence. He is an integral part of PwC's semicon practice and was especially running various projects for semiconductor companies on innovation and operational topics in Europe and Asia. Tanjeff Schadt holds a Master of Business Administration (MBA) at FOM Hochschule für Oekonomie & Management Munich and Pfeiffer University of Charlotte (NC), USA. Previously, he graduated from the University of Applied Sciences Darmstadt with a diploma in optical technologies and digital image processing (Dipl.-Ing.).