



# Introduction of Cloud Computing

This course focuses basic concepts of Cloud Computing. You will learn about the definition, origin, characteristics and deployment models of Cloud Computing. Cloud trends and technical features will also be introduced.

**Objectives:** to Understand what is cloud computing and its advantages. Understand IaaS, PaaS and SaaS. Know fields related to cloud computing. Know technical features of cloud computing.

## OUTLINE

- A brief introduction to Cloud Computing
- Cloud Computing Is Already Here
- Cloud Computing Definition
- Origin and Development of Cloud Computing
- Cloud Computing Models
- Cloud Computing Trends
  1. Fields Related to Cloud Computing
  2. Cloud Computing Technologies
- Technical Features of Cloud
  1. Technical Features of Cloud



# Everyone Knows IoT

This course introduces IoT overview, NB-IoT and IOT gateway. Can help learner have a deeper understanding about IOT.

**Objectives:** To understand the development and evolution of IOT. Understand the concept and feature of NB-IOT. Understand the solution of IOT gateway.

## OUTLINE

- 1. Understanding General Information about IoT
  - 1.1.1 IoT Origin and Concepts
  - 1.1.2 IoT Development History
  - 1.1.3 IoT Hierarchical Architecture and Applications
  - 1.2 Stable and Reliable Wired Communication
    - 1.2.1 Traditional Wired Communication
    - 1.2.2 Outstanding M-BUS and PLC
  - 1.3 Diversified Wireless Communications Technologies
    - 1.3.1 Cellular Mobile Telecommunications
    - 1.3.2 Short-Range Wireless Communications
  - 1.4 Everything-connected LPWA
    - 1.4.1 LPWA Communications Technologies: SigFox and LoRa
    - 1.4.2 LPWA Communication Technology: NB-IoT
- 2. Narrowband Wireless Network, Massive IoT Connections
  - 1. What is NB-IoT
    - 2.1.1 NB-IoT Protocol Evolution
    - 2.1.2 NB-IoT Network Architecture
  - 2.2 Key Technologies in NB-IoT
    - 2.2.1 Basic NB-IoT Principles
    - 2.2.2 Key NB-IoT Technology
  - Quiz
- 3. IoT Gateway, Converged Backhaul
  - 1. Secure and Reliable Industrial IoT Gateway
    - 3.1.1 Industrial IoT Gateway
    - 3.1.2 Key Technologies of Industrial IoT Gateways
  - 3.2 Effective IoT Solution
    - 3.2.1 Huawei Power IoT Solution
    - 3.2.2 Huawei Illumination IoT Solution
  - 3.3 Smart and Interconnected Home IoT Gateway
    - 3.3.1 Smart Home Network
    - 3.3.2 Introduction to Home IoT Gateway
  - Quiz

# Introduction of HMS Core

This course helps The Future quickly understand the overview of HMS Core, why HMS, what is HMS Core, how HMS Core supports business of development, growth and monetization.

**Objectives:** To understand the basic knowledge of HMS Core. Understand 24 kits capability and how to support business of development, growth, monetization. We are building a Win-Win Ecosystem.

## OUTLINE

### 1. Why HMS?

#### 1.1 Huawei P40 global launch event HMS introduction

### 2. What is HMS Core

#### 2.1 HMS Core overview

#### 2.2 What is HMS Core

### 3. How HMS Core supports business

#### 3.1 Development

- Account Kit
- Location Kit
- Map Kit
- Site Kit
- Game Service
- Drive Kit
- ML Kit
- WisePlay DRM
- Safety Detect

- Scan Kit
  - Health Kit
  - Nearby Service
  - Awareness Kit
  - Panorama Kit
  - FIDO
  - Identity Kit
  - Quick App
- #### 3.2 Growth
- Push Kit
  - Analytics Kit
  - Dynamic Tag Manager
- #### 3.3 Monetization
- Ads Kit
  - In-App Purchases
  - Wallet Kit



# Overview of AI

## The Fundamental Part: Overview of AI

The objective of this course is to get the detailed understanding of the past, present, and the future of artificial intelligence(AI).

## Advanced Part: Fundamentals of ML and DL

The objective of this course is to provide the foundations of machine learning(ML) and its subset.

### OUTLINE

#### Fundamental Part: Overview of AI

1. The Past of AI
2. What is AI
3. AI Industry and Society
4. Trend of AI and Origin of EI

#### Advanced Part: Fundamentals of ML and DL

1. AI Framework
2. Machine Learning
3. Deep Learning
4. Application



Course lecturer: Zhu Yuan (Zoey)

University of Sydney (Australia), Data Science Master



# CYBER SECURITY

**Mika Lauhde**

Vice-President, Cyber Security & Privacy, Global Public Affairs and Communication, Huawei

**Objectives: to familiarize with Cyber security, why it has become important globally and how Huawei is addressing the Cyber security ecosystem**

## OUTLINE

Welcoming and introduction of the speaker

Short introduction to cybersecurity and privacy history

Short introduction to cybersecurity and privacy technologies

Why cybersecurity and privacy are important

- For governments

- For citizens

Why Huawei is putting great weight for cybersecurity and privacy

How Huawei is contributing for global cybersecurity and privacy work and ecosystem

How Huawei is creating trustworthy telecommunication equipment's

- Steps creating telecom equipment's

- Other future technologies like AI, Quantum computing, BlockChain,..

Why Cybersecurity and Privacy is not always easy for private companies

Huawei's future vision with cybersecurity and privacy

Short recap

## BIO

Mika is in charge of leading public relations team to understand and provide insight for governments Cyber security and Privacy policy, public opinions, technologies and trends. He has an extensive experience with cyber security related topics and governmental institutions both in Europe and USA from over +15 years.

He is a:

- \*Member of ENISA (European Network and Information Security Agency) Permanent Stakeholder Group

- \*Europol Cyber security and privacy advisor

- \*Senior Fellow, Maastricht University, Centre of Data protection and Cyber Security



# DIGITAL ECONOMY

**Andrew Williamson**

Vice-President and Economic Adviser of the Government Affairs team, Huawei

**Objectives: to understand the evolving role of ICT in the economy: investigation of the productivity puzzle, the power of ideas and employment impacts of automation.**

## OUTLINE

It feels like we live in a highly technological age. But why then has productivity growth been so low in the 2010s? What type of R&D actually has the most economic impact? And will the robots really take all our jobs? These issues are discussed in depth by Huawei's Economic Adviser, based on in-depth research commissioned from the London School of Economics and Political Science.

## BIO

Andrew is a key adviser on global macroeconomic, political and industry trends. His research also involves the contribution ICT makes to economic growth and society.

Before joining Huawei, Andrew was Chief Economist of the Global Data, Insights and Analytics team at Dun & Bradstreet and Global Leader of the Country Risk department. His team of economists and analysts provided their clients with timely advice and research on operational risks internationally, with a special focus on the risks faced by companies' individual supply chains. Andrew spent a few years furthering his interest in the theories of environmental economics, policy drafting and environmental impact assessment by undertaking a MSc in Environmental Policy and Regulation at the London School of Economics. He worked subsequently at the Grantham Research Institute on Climate Change and the Environment, specialising in research on the opportunities and risks posed by climate change on the financial sector. Previous to this Andrew held a number of roles over many years at the Economist Intelligence Unit, including Global Director of Economic Research and Deputy Director of Country Forecasting. He began his career in the British Diplomatic Service.



# DIGITAL TRANSFORMATION

**Edwin Diender**

Chief Digital Transformation Officer and Vice President Government & Public Sector, Huawei

**Objectives: to provide some background and insights into Huawei's vision and views on digital transformation and intelligent cities, and the opportunity for digital transformation by industry. And help position the digital platform.**

## OUTLINE

The universal framework for smart city construction stretches far. It holds a tremendous amount of pieces – it links and connects many cubes, creating a network of connected cubes, of connected cities. The Rubik's cube can help understand and position each of the building blocks in smart city construction.

Intelligent Connectivity and digital transformation provides new growth opportunities, especially for non-digital native industries. This presentation gives the key drivers behind that growth opportunity and shows examples of industries where that already takes place.

## BIO

Edwin helps customers and partners with business growth, innovation and their digital journey, focusing on Smart City/Safe City Economics, eGovernment and Government Cloud, Big Data Analytics and Digital Transformation for Smart Cities, leveraging the Universal Framework for Smart City Construction.

He joined Huawei at the end of 2011 to help establish the Industry Solution Sales practice for the WEU region. He became spokesperson to global analyst organizations and international media in 2013. He is a coach and mentor to new recruits and employees and a part-time lecturer in Huawei University. Mr. Diender is a contact to non-profit boards, standardization bodies and advisory councils (eg. UN-Habitat, ABAC and WEF).



# STRATEGIC LEADERSHIP

**David Anthony**

ICT Business Leadership Development Senior Consultant, Huawei Global Training Center

**Objectives: to establish awareness and understanding of Strategy, Strategic thinking, Strategic Intent as applied to Strategic leadership required of leaders in today's Fast Changing Environment**

## OUTLINE

*Overview-Strategic Leadership –In a Fast Changing Environment*

### **Module 1-Introduction -Strategic Leadership in Fast Changing Environment**

Activity 1 【Introduction video】 -**Change**-(4 min.) at end of video discuss impact of current events-(COVID-19) to current digital transformation strategies.

Activity 2 【summary video】 -**Road to Digital Transformation**-(2 min.) Close out Part 1

Activity 3-At end of Part 1-discuss if Strategic intent is demonstrated by posing 3 questions and answering them. *(Can be used as a check list to evaluate other enterprises)*

### **Module 2-5 Key elements of the Strategic Management Process**

Activity 1 Huawei Practices-Case Sharing- DSTE

Activity 2 Summary-Reflection: Questions Posed and Answered by facilitator

## BIO

- 25+ years of Professional Services Consulting and Project Management experience in Business Process & IT including-
- 15 years with IBM's **Strategy & Transformation** practice and PwC M&A practice
- 8+ years with Huawei in **ICT Strategy & Transformation**



# CULTURAL AWARENESS

**Peter Hijgenaar**  
WEU L&D Leader, Huawei

**Objectives:** Cultural sensitivity and how this is managed on a personal and team level has a large impact on the business results of a team. Culturally diverse teams will outperform uniform teams when cultural adaptation and integration are done well. In this context the purpose of this seminar is to understand and overcome the cultural inhibitors by creating awareness and discussing intercultural skills.

## OUTLINE

A 60 minutes interactive session, in which cultural awareness will be created by using practical examples and guidelines.

## BIO

- Part of the Local Employee Development Team
- Design and Delivery of Key WEU Learning initiatives for Graduates, New Employees, Managers and Leaders at Huawei
- Experienced in Management Consultancy, Training and Coaching
- Formerly at IBM and Agfa



# PERSONAL EFFECTIVENESS

**Peter Hijgenaar**  
WEU L&D Leader, Huawei

**Objectives:** The concept of Personal Effectiveness will enable professionals to identify with universal principles and values that are at the heart of their professional performance. The key to dealing with the constant changing environment and challenges that arise on a day to day basis, is the recognition of a principles centered core - that does not change. It will provide professionals a strong foundation for their personal and professional development.

## OUTLINE

A 60 minutes interactive session, in which the universal principles will be disclosed and discussed.

## BIO

- Part of the Local Employee Development Team
- Design and Delivery of Key WEU Learning initiatives for Graduates, New Employees, Managers and Leaders at Huawei
- Experienced in Management Consultancy, Training and Coaching
- Formerly at IBM and Agfa