KU LEUVEN



Cloud, Connectivity & Computing

What is really on the horizon?

From 23 April until 28 May 2025
KU Leuven, Ghent Campus (6 sessions)

PUC | CONTINUE

Cloud, Connectivity & Computing, what is really on the horizon?

The cloud and connectivity market is in a constant state of evolution, fueled by ongoing technological advancements. This evolution has brought forth numerous trends and buzzwords, such as 'cloud-first' and 'cloud-native' tooling, hybrid and multi-cloud strategies, 6G, Wi-Fi 7, serverless computing ...

This tech-oriented programme is designed for IT professionals seeking a scientifically based overview of state-of-the-art network and communication technologies. It is essential to differentiate between mere buzzwords from vendors and lasting technological shifts from an objective and neutral perspective.

Learning objectives:

- overview [width]: gain a comprehensive understanding of network technologies and cloud-based/driven technologies, ranging from legacy systems to modern-day implementations
- insight [depth]: acquire a deeper understanding of the complexities surrounding connectivity issues, supported by academic research
- forecast [height]: develop an outlook on technical advancements related to connectivity and cloud computing, including emerging technologies

This overview series will enable you to:

- comprehend the challenges, not only from a technical perspective but also taking into account business considerations and security and privacy issues
- situate different IT solutions within the broader landscape of network and communication technologies
- critically question current practices within your organization
- communicate effectively with potential network providers
- make more evidence-informed decisions regarding the deployment of technologies and services in practice
- implement more secure network management and architecture

Target audience

The course is aimed at a broad audience of IT (project) managers, system developers and administrators, technicians, etc., from SMEs, engineering firms, ICT consulting firms, technical services of public administrations, emergency services, etc.

In short, the series is intended for anyone who wants to gain insight into today's networks and the applications of tomorrow. However, a good knowledge of networking is highly recommended.

Programme

Session 1: Mastering the Basics of Communication Networks

23 April 2025

Experts:

- Wim Boone, expert datacenters & ICT (Ingenium)
- Vincent Naessens, professor computer sciences (KU Leuven)

Session 2: Exploring Cloud Evolutions – From Monoliths to Microservices

29 April 2025

Expert:

- Roel Van Steenberghe, founder and cloud architect (vBridge) and lecturer (Odisee)

Session 3: Unlocking the Future of Connectivity: Overlay Solutions and Beyond

7 May 2025

Expert:

- Alain Pieters, network consultant and lecturer (Odisee)

Session 4: Mobile Communication Demystified – From 2G to 5G

14 May 2025

Expert:

- Sofie Pollin, professor electrical engineering (KU Leuven)

Session 5: The Power of Wireless Technologies – Protocols, Spectrum and Applications

21 May 2025

Experts:

- Lieven De Strycker, professor electrical engineering (KU Leuven)
- Gilles Callebaut, postdoctoral researcher (KU Leuven)

Session 6: Decision-Making for Cloud Services and Datacenter Infrastructure: Build or Hire?

28 May 2025

Experts:

- Peter Witsenburg, IT & data governance manager (PSA Belgium) and founder BelgiumCloud
- Wim Boone, expert datacenters & ICT (Ingenium)

Practical

Dates and location

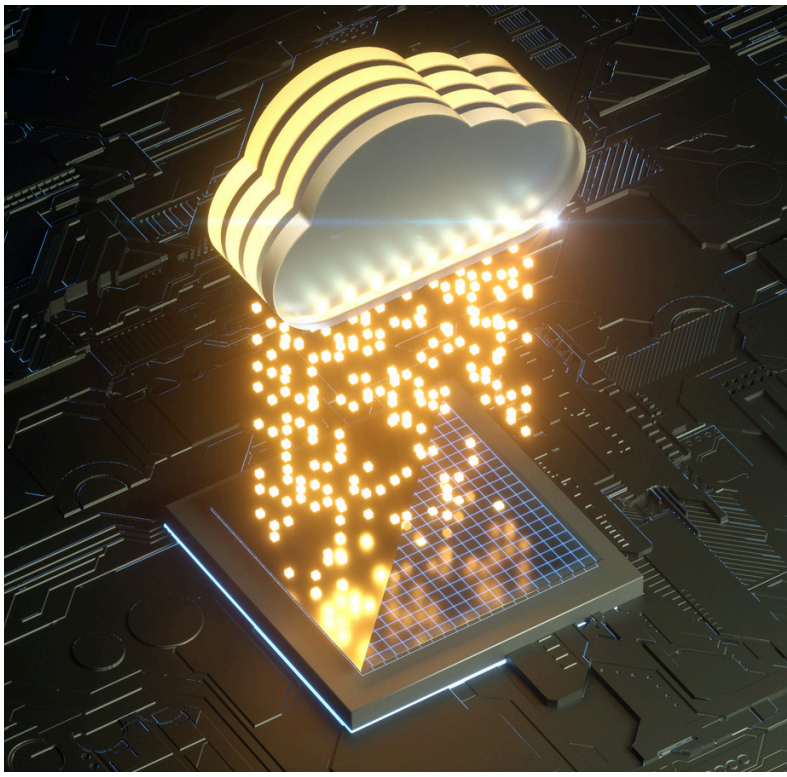
- 6 consecutive weeks from 23 April until 28 May 2025
- 23, 29 April and 7, 14, 21, 28 May 2025 (all Wednesdays, except Tuesday 29 April)
- From 14h until 17h (incl. coffee break)
  - Exception: Tuesday 29 April from 9h30 until 12h30
- KU Leuven, Ghent Campus (Gebroeders De Smetstraat 1, 9000 Ghent)
- English as course language

Registration

- Register online before 15/04/2025.
- The fee for the series is 1150 euro, for a session 260 euro.
- For the second participant of the same organisation, a discount of 20% is applied.
- Payment can either happen without invoice by transferring the amount to the account number IBAN BE31 2850 2133 2955 (PUC - KU Leuven Continue), with reference ‘400/0026/36116 + name participant(s)'.
- Or pay by invoice. After registration, you will automatically receive the invoice for your participation.







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Door mij in te schrijven, verklaar ik mij ermee akkoord dat de gegevens die ik verstrek gebruikt worden om mij te contacteren in de context van deze opleiding en voor alle nuttige opvolging ervan.