Presentation

Education:

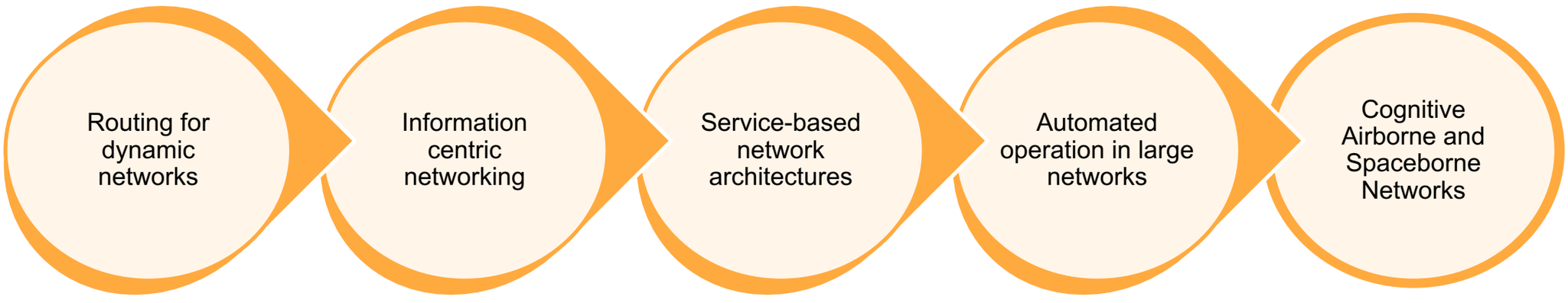
- 2004 - Ph.D. (summa cum laude) in Informatics Engineering from the **University of Coimbra**, Portugal.

Visiting Positions:

- 2013.08 - **University of California at Los Angeles** (Los Angeles, USA).
- 2000 – 2003 - **Columbia University** (New York, USA) – PhD work.

Work Experience:

- Since 2022 - Associated Research at TUM.
- Since 2019 – Expert in Network Architectures and Protocols at Airbus Central Research & Technology.
- 2010 – 2019 – Associated Professor at University Lusofona, Lisbon.
  - Co-founder and director of COPELABS Research Center, Lisbon.
- 2007 – 2010 – Group coordinator at INESCTEC research center, Porto.
- 2003 – 2007 – Senior Researcher at NTT Docomo, Munich, Germany.



My Current Interests

Questions

➢What will be the best approach to integrate Non-Terrestrial and Terrestrial Networks?
Is integration with cellular networks the best/only strategy?

➢How can a network support data transfer based on different addressing schemes?
Host IDs, Data IDs, Geographic IDs?

➢What kind of routing approach will be suitable for time-varying networks?
Topological oriented or topological agnostic?

➢How can a aerospace network support deterministic services such as Extended Reality?

➢How can a aerospace network support edge computing?

➢How to reach a good level of network simplification and automation?