

Quantum Delta NL: Building the Netherlands Quantum Ecosystem

Jesse Robbers

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Biography

Jesse Robbers is Co-Founder & Executive Board Member of Quantum Delta NL (QDNL). Quantum Delta NL is the national Quantum Initiative of the Netherlands, who has the goal to accelerate Quantum Technology developments in NL, build the Dutch Quantum ecosystem, coordinate on strategic level, on national and international level. Jesse Robbers is as Director responsible for “Industry & Digital Infrastructure” and coordinating the National & International Quantum (Internet) Network developments. National representative in EuroQCI Board, member of the Research and Innovation advisory Group (RIAG) of EuroHPC and advisor in different European Quantum Network initiatives, like the Quantum Internet Alliance (QIA), the Belgium Quantum Network initiative and many others. Jesse is also affiliated with TNO. He was Co-Founder of the Dutch GAIA-X Hub, CCO at the “Amsterdam Internet Exchange (AMS-IX)” and “Technical Director Benelux” at “Ericsson Broadcast and Media Services” (now REDBee Media). He fulfilled various leadership roles at the Dutch telecom operator KPN. He has held several non-executive board positions in organisations who stimulate new international and joint industry developments, like “Digital Infrastructure Nederland (DINL)”, the “Dutch Media Hub (DMH)” and the “National Agenda Quantum Technology (NAQT)”.

Abstract

Quantum Delta NL is a dynamic and innovative quantum technology ecosystem located in the Netherlands that strives to create significant societal impact through technological advancements. We connect people in the quantum field and beyond, providing opportunities to learn,

collaborate, and achieve more together.

Our ecosystem is built around three catalyst programs - quantum computing and simulation, national quantum network, and quantum sensing applications - and tied together with four action lines - research and innovation, quantum ecosystem, human capital, and societal impact.

Although the Netherlands is a small country, it possesses significant expertise and advanced facilities in the realm of quantum technology. The nation's distinct knowledge and innovation landscape is primarily supported by five specialized - yet interconnected - innovation hubs: QDNL Delft, QDNL Amsterdam, QDNL Leiden, QDNL Eindhoven, and QDNL Twente.