



# SpinDataCom

## ANNUAL CONSORTIUM MEETING

29 – 30 June 2026

Hosted by the University of Rijeka, Croatia

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European  
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THALES



Vertically Integrated Systems

TU/e EINDHOVEN  
UNIVERSITY OF  
TECHNOLOGY

RUHR  
UNIVERSITÄT  
BOCHUM RUB





8h45: meeting at the Faculty of Physics, room O-029



9h00 – 9h30

Vitaly Shchukin: Multi-aperture VCSELs: high-speed multimode and single mode optical fiber links, beam steered wireless and sensing.  
*Vertically Integrated (VI) Systems GmbH, Germany*



9h30 – 10h00

Bojan Resan: 10s GHz repetition rate lasers for 26 Tbit optical communication systems.  
*University of Applied Sciences and Arts Northwestern Switzerland*



10h00 – 10h30

Ayana Ayyappan: Ultrafast optical communication: A glimpse into spin lasers.  
*Faculty of Computer Science, Electrical Engineering and Mathematics, University of Paderborn, Germany*

10h30 – 10h45: Coffee break



10h45 – 11h15

Mario Stipčević: Quantum communication: from laboratory to deployment.  
*Ruđer Bošković Institute, Zagreb, Croatia*



11h15 – 11h45

Thomas Molier: All-Optical Magnetization Switching as an Enabling Technology for Next-Generation Devices.  
*Department of Applied Physics, Eindhoven University of Technology, Netherlands*



11h45 – 12h15

Yuan Lu: Voltage-Driven Fluorine Motion for Novel Organic Spintronic Memristor.  
*Institut Jean Lamour, Université de Lorraine, CNRS, France*