

SATELLITE QUANTUM COMMUNICATION VIA THE ALPHASAT LASER

Sep 20, 2020



[Fast data transfer - Laser communication for Europe's space data highway](#)

Fast data transfer - Laser communication for Europe's space data highway von DLR vor 11 Monaten 4 Minuten, 7 Sekunden 3.765 Aufrufe The European Data Relay , Satellite , System (EDRS) is the first commercial application of optical , satellite communications , in space.

[Quantum Communication: China sets new distance record for quantum entanglement - TomoNews](#)

Quantum Communication: China sets new distance record for quantum entanglement - TomoNews von TomoNews US vor 3 Jahren 7 Minuten, 12 Sekunden 39.788 Aufrufe BEIJING — China is leading the pack in terms of , quantum , space experiments after the country announced that setting a new ...

[Entanglement-based secure quantum cryptography over 1,120 kilometres](#)

Entanglement-based secure quantum cryptography over 1,120 kilometres von SciNews vor 3 Monaten 1 Minute, 48 Sekunden 4.205 Aufrufe Using , the "Micius" , satellite , , researchers achieved , entanglement , -based , quantum , key distribution (QKD) between two ground ...

[Towards Global Quantum Communications using Satellites](#)

Towards Global Quantum Communications using Satellites von International Space University vor 6 Jahren gestreamt 1 Stunde, 10 Minuten 871 Aufrufe Speaker: Dr Thomas Jennewein, University of Waterloo Moderator: Geoff Steeves, University of Victoria , Quantum , information, and ...

[Quantum Communication satellite Micius sends entangled photons to stations 1200 km apart - TomoNews](#)

Quantum Communication satellite Micius sends entangled photons to stations 1200 km apart - TomoNews von TomoNews Sci \u0026 Tech vor 3 Jahren 6 Minuten, 56 Sekunden 7.096 Aufrufe BEIJING — China is leading the pack in terms of , quantum , space experiments after the country announced that setting a new ...

[World's First Demonstration of Space Quantum Communication Using a Microsatellite](#)

World's First Demonstration of Space Quantum Communication Using a Microsatellite von Quantum ICT Laboratory, NICT JAPAN vor 3 Jahren 1 Minute, 6 Sekunden 1.151 Aufrufe A big step toward building a truly-secure global , communication , network - National Institute of Information and , Communications , ...

[Chinese Scientists Make Breakthrough in Quantum Entanglement](#)

Chinese Scientists Make Breakthrough in Quantum Entanglement von CCTV Video News Agency vor 2 Monaten 1 Minute, 28 Sekunden 1.073 Aufrufe A team of Chinese scientists have made a breakthrough in , quantum entanglement , and realized the generation of high-fidelity ...

[Quantum cryptography. animated](#)

Quantum cryptography, animated von Centre for Quantum Technologies vor 3 Jahren 1 Minute, 58 Sekunden 39.706 Aufrufe This animation , by , the Centre for , Quantum , Technologies at the National University of Singapore illustrates the process of , quantum , ...

[Why Can't You Use Quantum Mechanics To Communicate Faster Than Light?](#)

Why Can't You Use Quantum Mechanics To Communicate Faster Than Light? von Looking Glass Universe vor 3 Jahren 6 Minuten, 3 Sekunden 69.892 Aufrufe The EPR paradox, that we met in a previous video, tells us 2 entangled particles can effect each other no matter how far away they ...

[China launches world's first quantum satellite](#)

China launches world's first quantum satellite von News Direct vor 4 Jahren 51 Sekunden 9.770 Aufrufe RESTRICTIONS: NONE For story suggestions please contact tips@nextanimation.com.tw China this week launched the world's ...

[Quantum Entanglement for Communication -- Gregoire Ribordy](#)

Quantum Entanglement for Communication -- Gregoire Ribordy von Institute for Quantum Computing vor 9 Jahren 1 Minute, 26 Sekunden 6.361 Aufrufe During an interview at the Institute for , Quantum , Computing, Gregoire Ribordy (CEO of id Quantique) discusses the future of ...

[QUESS - world's first quantum communication satellite launched](#)

QUESS - world's first quantum communication satellite launched von SciNews vor 4 Jahren 1 Minute, 6 Sekunden 5.744 Aufrufe QUESS (Quantum Experiments at Space Scale), world's first , quantum communication satellite , (nicknamed Micius after a fifth ...

[The Quantum Communications Infrastructure \(QCI\)](#)

The Quantum Communications Infrastructure (QCI) von Quantum Flagship vor 1 Jahr 3 Minuten, 2 Sekunden 1.883 Aufrufe In the next decade, the EU plans to develop and deploy a secure pan-European , Quantum Communication , Infrastructure (QCI), ...

[China Launches First Quantum Communication Satellite](#)

China Launches First Quantum Communication Satellite von Wall Street Journal vor 4 Jahren 38 Sekunden 1.936 Aufrufe China has launched what it says is the world's first , quantum satellite , from the Gobi desert early Tuesday. If successful, the ...

[How will quantum communication change life?](#)

How will quantum communication change life? von CGTN vor 4 Jahren 1 Minute, 48 Sekunden 18.532 Aufrufe The imminent launch of the world's first , quantum communication satellite , marks a breakthrough in China's development of ...

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