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NATIONAL SECURITY AGENCY  
CENTRAL SECURITY SERVICE  
FORT GEORGE G. MEADE, MARYLAND 20755-6000

FOIA Case: 100485A  
25 April 2017

JOHN GREENEWALD  
[REDACTED]

Dear Mr. Greenewald:

This responds to your Freedom of Information Act (FOIA) request of 28 December 2016 for a copy of the Intellipedia category page for "QUANTUM." As stated in our previous letter, dated 30 December 2016, your request was assigned Case Number 100485. A copy of your request is enclosed. For purposes of this request and based on the information you provided in your letter, you are considered an "all other" requester. As such, you are allowed 2 hours of search and the duplication of 100 pages at no cost. There are no assessable fees for this request. Your request has been processed under the FOIA.

For your information, NSA provides a service of common concern for the Intelligence Community (IC) by serving as the executive agent for Intelink. As such, NSA provides technical services that enable users to access and share information with peers and stakeholders across the IC and DoD. Intellipedia pages are living documents that may be originated by any user organization, and any user organization may contribute to or edit pages after their origination. Intellipedia pages should not be considered the final, coordinated position of the IC on any particular subject. The views and opinions of authors do not necessarily state or reflect those of the U.S. Government.

We conducted a search of all three levels of Intellipedia for the requested topic, and located one document that is responsive to your request. This document is enclosed. Certain information, however, has been deleted from the enclosure.

This Agency is authorized by statute to protect certain information concerning its activities (in this case, internal URLs) as well as the names of its employees. Such information is exempt from disclosure pursuant to the third exemption of the FOIA, which provides for the withholding of information specifically protected from disclosure by statute. The specific statute applicable in this case is Section 6, Public Law 86-36 (50 U.S. Code 3605). We have determined that such information exists in this record, and we have excised it accordingly.

In addition, personal information regarding individuals has been deleted from the enclosures in accordance with 5 U.S.C. 552 (b)(6). This exemption protects from disclosure information that would constitute a clearly unwarranted invasion of personal privacy. In balancing the public interest for the information you request against the privacy interests involved, we have determined that the privacy interests sufficiently satisfy the requirements for the application of the (b)(6) exemption.

Since these deletions may be construed as a partial denial of your request, you are hereby advised of this Agency's appeal procedures. You may appeal this decision. If you decide to appeal, you should do so in the manner outlined below.

- The appeal must be in writing and addressed to:

NSA/CSS FOIA/PA Appeal Authority (P132),  
National Security Agency  
9800 Savage Road STE 6932  
Fort George G. Meade, MD 20755-6932

- It must be postmarked no later than 90 calendar days of the date of this letter.
- Please include the case number provided above.
- Please describe with sufficient detail why you believe the denial of requested information was unwarranted.
- NSA will endeavor to respond within 20 working days of receiving your appeal, absent any unusual circumstances.
- Appeals received after 90 days will not be addressed.

You may also contact our FOIA Public Liaison at [foialo@nsa.gov](mailto:foialo@nsa.gov) for any further assistance and to discuss any aspect of your request. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows:

Office of Government Information Services  
National Archives and Records Administration  
8601 Adelphi Rd- OGIS  
College Park, MD 20740  
[ogis@nara.gov](mailto:ogis@nara.gov)  
(877) 684-6448  
(202) 741-5770  
Fax (202) 741-5769

Sincerely,

  
*for*

JOHN R. CHAPMAN  
Chief, FOIA/PA Office  
NSA Initial Denial Authority

Encls:  
a/s

[REDACTED]

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**From:** donotreply@nsa.gov  
**Sent:** Wednesday, December 28, 2016 2:24 PM  
**To:** donotreply@nsa.gov  
**Subject:** FOIA Request (Web form submission)

Title: Mr.

Full Name: John Greenewald

email: john@greenewald.com

Postal Address: [REDACTED]

Postal City: [REDACTED]

Postal State-prov: [REDACTED]

Zip Code: [REDACTED]

Country: United States of America

Home Phone: [REDACTED]

Records Requested: To whom it may concern,

This is a non-commercial request made under the provisions of the Freedom of Information Act 5 U.S.C. S 552. My FOIA requester status as a "representative of the news media" however due to your agency's denial of this status, I hereby submit this request as an "All other" requester.

I prefer electronic delivery of the requested material either via email to john@greenewald.com, FAX 1-818-659-7688 or via CD-ROM or DVD via postal mail. Please contact me should this FOIA request should incur a charge.

I respectfully request a copy of the Intellipedia category page for the following category:

QUANTUM

Thank you so much for your time, and I am very much looking forward to your response.

Sincerely,

John Greenewald, Jr.  
[REDACTED]  
[REDACTED]

YOU CAN FAX RESPONSES AND DOCUMENTS TO: 1-818-659-7688

## (U) Category: Quantum

~~CONFIDENTIAL~~

From Intellipedia

You have new messages (last change).

(U) A category to collect pages on

- (U) quantum information systems such as mathematical models,
- (U) quantum cryptography and keys,
- (U) quantum computation,
- (U) quantum effects and sensing such as quantum teleportation and quantum imaging, and
- (U) quantum materials which rely on quantum mechanical effects to produce their function.

### Subcategories

This category has only the following subcategory.

#### Q

- [×] Quantum field theory (0 Categories 0 Pages 0 Files)

### Pages in category "Quantum"

The following 40 pages are in this category, out of 40 total.

#### 1

- 14th All-China Quantum Optics Conference

#### A

#### P

- Photonic Quantum Computation

#### Q

#### Q cont.

- Quantum Key
- Quantum Mechanics
- Quantum Memory

- Antimatter
- Atomic Spin

## B

- Bose-Einstein Condensate

## C

- Cavity Assisted Interaction
- Cavity Quantum Electrodynamics
- Chang-Pu Sun
- Chinese Quantum Technology Advancements

## D

- Danish National Research Foundation Center for Quantum Optics

## G

- Grover's Algorithm

## I

- Ion-trap

## J

- JASON Study Report Quantum Computing
- JASON Study Report Requirements for Quantum Computing

## L

- QISNA Leader Boards
- Quantum algorithms
- Quantum Coherence
- Quantum Computing: STEP Report
- Quantum Decoherence
- Quantum Entanglement
- Quantum Error Correction
- Quantum gates
- Quantum Imaging
- Quantum Information
- Quantum Information Science & Technology
- Quantum Information Science Net Assessment
- Quantum Information Science Panel

- Quantum Neural Networks
- Quantum noise
- Quantum optics
- Quantum physics
- Quantum teleportation
- Qubit

## S

- Shor's Algorithm
- Squeezed States

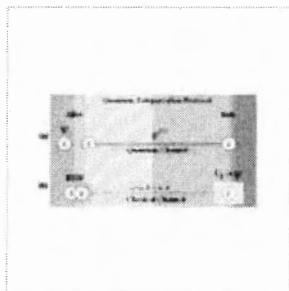
## Z

- Z Song

- Lessons Learned - Research and Development

## Media in category "Quantum"

This category contains only the following file.



Quantum Teleportatio...  
12,247 bytes

Retrieved from [redacted]  
Category: Physics

(b) (3) - P.L. 86-36

~~CONFIDENTIAL~~

- This page has been accessed 1,324 times.

■ 2 [redacted]

watching users

- This page was last modified 11:27, 21 July 2011 by [redacted]

Most recent editors: [redacted]

(b) (6)

c2linipdweb5j

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Evidence of unauthorized use collected during monitoring may be used for administrative, criminal, or other adverse actions.

This page contains dynamic content -- Highest Possible Classification is ~~TOP SECRET//HCS P//SI C//TK//NOFORN//ORCON~~