2023 Paris Conference Report

Re: Method of Everything vs. Experimenter Bias of Loophole-Free Bell Experiments

Manuel S Morales © 2023

msm@prephysics.com

Science, Math, Technology Division, Rowan College at Burlington County Adjunct Professor (retired), Mount Laurel, NJ, USA

Report:

Experimenter bias compromises the integrity of science especially when awarded as such. Therefore, in order to ensure the validity of science, transparency of new empirical discoveries is essential to the advancement of science. In keeping with practice, this report consists of email correspondence relating to activities in preparation for my invited speaker participation in the QUEST 2023 Conference on Quantum Engineered Sensing and Information Technology that was held in Paris, France, in June 2023. My presentation (abstract included) sought to address the bias of not testing for the superdeterministic loophole of John S Bell's inequality theorem by comparing Bell-Type experiments (local input \rightarrow local output) with the nonlocal no-go Tempt Destiny Experiment (nonlocal input \rightarrow local output) I conducted from 2000-2012. Note that said theorem served as the basis for the Bell-type experiments awarded the 2022 Nobel Prize in Physics.

As Bell predicted and confirmed via the Tempt Destiny Experiment, the loophole of a "super-deterministic" universe would invalidate his theorem and quantum mechanics as an assumed fundamental nonlocal theory. Thus, the witting bias (as pointed out in the emails) of not testing if the universe is or is not superdeterministic means that the integrity of science is in question since this empirical discovery *is nonlocal* and subsequently supersedes quantum mechanics but more importantly, the *methods currently used to study nature*.

Shortly after this series of correspondence was the hacking of the website that published my "Assumed Higgs Boson Discovery Proved Einstein Right" paper which revealed the omission error (experimenter bias) that the Higgs boson discovery is based on. The reader is invited to peruse this correspondence for their consideration and understanding of the issue at hand.

Table of Contents

2
3
4
5
6
7
13
18
20

Note: Responses to my emails were not edited

QUEST 2023 Speaker Invitation and Acceptance

From: "QUEST" <quest@phronesisonline.org>

Subject: RE: QUEST 2023: Paris-Request for Registration Date:

February 20, 2023 at 3:02:07 AM EST

To: "'Manuel Morales'" <admin@temptdestiny.com>

Dr. Manuel Morales

Your abstract has been selected by Chair person for invited talk. Please register for the conference from the website.

Regards Swetha Conference secretary

From: Giti Khodaparast khoda@vt.edu

Subject: Reminder QUEST2023 Registration/Hotel Arrangements

Date: February 27, 2023 at 2:52 PM

To: khodapar@vt.edu

Cc: quest conference questconference86@gmail.com, QUEST quest@phronesisonline.org, Manijeh Razeghi

razeghi@eecs.northwestern.edu

Dear Colleague,

On behalf of the conference chairs and the program committee, we thank you for accepting the invited talk at the QUEST2023 and submitting your abstract.

Please remember to register and also arrange your hotel accommodation if you plan to stay at the conference hotel.

The following link can guide you to the registration site and other information regarding the conference in Paris (June 2730, 2023). https://www.guest-conference.com/

If your plans have changed and you cannot attend the conference, please let us know as soon as possible. Thank you in advance and best regards,

Giti Khodaparast Professor Department of Physics Virginia Tech 209A, Robeson Hall, 850 West Campus Drive Blacksburg, VA, 24061

Tel:540-231-8729

Website:http://www.phys.vt.edu/~khodapar/Giti-group.htm

From: quest conference < questconference86@gmail.com>

Subject: QUEST 2023 Program Date: May 3, 2023 at 3:16:50 AM EDT To: Admin <admin@temptdestiny.com>

Cc: Manijeh Razeghi <razeghi@northwestern.edu>, "Jean Pierre Huignard (jphuignard@free.fr)" <jphuignard@free.fr>,

DEFOUR Martin <martin.defour@fr.thalesgroup.com>, meunierpaullouis@gmail.com, Dr Ferechteh Teherani <fntwin@aol.com>

Dear Prof. Manuel S Morales

QUEST 2023 will be the highlight of Quantum Science and technology as well as industrial developments thanks to your participation.

The sessions are now filled up, and we would be honored to have you as the speaker at QUEST 2023. Please find the attached Tentative Program, and the below is the conference venue:

Hôtel Mercure Paris 19 Philharmonie La Villette, 216 Av. Jean Jaurès, 75019 Paris, France

As we have received your abstract, and you accepted to pay onsite, if you require accommodation kindly reserve here: https://quest-conference.com/registration.php

Have a good day.

Warmest regards,

Prof Manijeh Razeghi, Prof Paul-louis Meunier, Dr Jean-Pierre Huignard.





Experimenter Bias of Loophole-Free Bell Experiments

Manuel S Morales © 2023

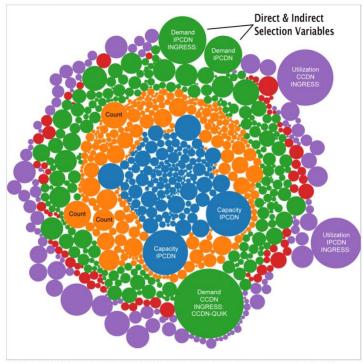
msm@prephysics.com

Science, Math, Technology Division, Rowan College at Burlington County Adjunct Professor (retired), Mount Laurel, NJ, USA

Abstract:

The 2022 Nobel Prize in Physics is for "loophole-free" Bell experiments which provide empirical evidence that contradicts local realistic theories of nature and thereby validates quantum mechanics as a fundamental theory. The simultaneous closure of the locality loophole and the detection loophole of Bell's inequality theorem in 2022 constitute Bell-type experiments as loophole-free. However. unambiguous empirical evidence obtained in a twelve-year (2000-2012) selectionbased experiment confirmed that choice. i.e., direct selection and indirect selection, are nonlocal (hidden) mechanisms of motion that can only come-to-exist not preexist or be existent. The evidence reveals that what we think of as choice is a mechanical function predetermined by nature not a freedom determined by the experimenter. The bias of experimenters not closing or wittingly ignoring the remaining "free-will" or "freedom-of-choice" loophole means that loophole-free Bell experiments are in fact not loophole-free. Furthermore, the

Key Performance Indicators Reveal Hidden Origin Variables



NOTE: Annual data generated 24/7/365 from over two dozen input sources consisting of hundreds of millions of interactions per second.

assumption of using the construct of Bell experiments (indirect selection experiments) to close the freedom-of-choice loophole would necessitate experimenters do not use the nonlocal mechanism of indirect selection (choice) to conduct their experiments. In other words, it is impossible to close a predetermined function that can only come-to-exist not preexist or exist as a "freedom" or experimenter option — a claim that can be empirically confirmed without ambiguity via the Final Selection Experiment. The bias of ignoring the two mutually exclusive and jointly exhaustive nonlocal variables of motion necessary to conduct so-called loophole-free Bell experiments inherently leads to false-positive and false-negative empirical evidence. That being said, all empirical evidence has been created by the variables of motion. This means that the raw data in empirical investigations such as CERN's LHC experiments contain the hidden codes of the fundamental variables that created their data. Knowledge of the unambiguous codes will reveal algorithms that can be applied towards the advancement of science once the experimenter bias issue has been addressed.

Biography of the presenting author

Manuel S. Morales is an independent researcher in the field of fundamental mechanics, i.e., origin physics. He has a BFA in illustration and an AS in photography. His notable career as an artist inadvertently led to conducting a twelve-year no-go experiment at TemptDestiny.com which obtained unambiguous empirical evidence of Einstein's (nonlocal) hidden variables. He has applied his findings to particle physics, theoretical physics, experimental physics, condensed matter physics, and data analysis of key performance indicators of a Fortune 50 company. In addition to published articles and lectures at physics conventions, he has also served as a referee for several physics journals.



Details of presenting author:

Name: Manuel S Morales

Affiliation: Rowan College at Burlington County

Country: USA

Other Details:

Presentation Category: Invited Speaker

Session Name: Breakthrough Scientific Results

Email: msm@prephysics.com,

Alternative email: admin@temptdestiny.com

Contact Number:

ORCID: https://orcid.org/0000-0001-9567-6617

Published Papers, Conferences: http://temptdestiny.com/science.html LinkedIn: https://www.linkedin.com/in/manuel-morales-421b882b/

Letter of Intent email to Nobel laureate Alain Aspect

From: Manuel Morales msm@prephysics.com @

Subject: Re: How Experimenter Bias Has Corrupted The Nobel Prize

Date: May 26, 2023 at 5:55 PM

To: Alain Aspect alain.aspect@universite-paris-saclay.fr, aaspect@umd.edu

Cc: Tcherniavsky Nicole nicole.tcherniavsky@institutoptique.fr, anton.zeilinger@univie.ac.at, Anton.Zeilinger@oeaw.ac.at, bobbi john@jfcbat.com, john@jfcbat.com, anders.irback@cec.lu.se, Mats.Larsson@fysik.su.se, haviland@kth.se,

john.wettlaufer@yale.edu, eva.olsson@chalmers.se, hansson@fysik.su.se, ulf.danielsson@physics.uu.se, ellen.moons@kau.se,

gunnar.ingelman@physics.uu.se

Bcc: Hooft, G. 't (Gerard) G.tHooft@uu.nl, sabine.hossenfelder@lrz.uni-muenchen.de

Dear Prof. Alain Aspect,

I look forward to meeting you at the QUEST 2023 conference in Paris, France, next month. On June 29, 2023, you and I will be presenting our experimental research in the same session (see attached schedule).

I am not sure if you are aware that the nonlocal experiment I conducted from 2000-2012 confirmed without ambiguity that there are two mutually exclusive and jointly exhaustive nonlocal hidden variables necessary to conduct all local experiments including all Bell-type experiments. In my presentation I will address experimenter bias in particular the bias of not testing if the universe is or is not super-deterministic as John Bell predicted would negate his theorem and quantum mechanics as a fundamental theory.

More importantly, I will discuss how the failure to test for "predetermined choice", i.e., direct selection and indirect selection, as Bell had defined when he first coined the "super-deterministic" phrase leads to falsepositive (inequalities?) and false-negative empirical evidence, see Tables 1-3: http://physiology.by/wpcontent/uploads/2019/01/Morales_NewsOfBiomedicalSciences-pages-6-10.pdf

Case in point, in October of 2012 I had contacted CERN and members of the Nobel Committee at the time regarding my discovery and then in February, 2013, I sent them the link to my peer-reviewed article regarding the omission error (experimenter bias) that the Higgs boson discovery is based on. https://www.fundamentaljournals.org/index.php/ijfps/article/view/114/195

As a noteworthy scientist of integrity, I invite you to refute my findings of a super-deterministic nonlocal universe via the Final Selection Experiment: American Physical Society March Meeting 2021 https://meetings.aps.org/Meeting/MAR21/Session/V33.10

Countless times over the past two decades I have been accused of "throwing out the baby with the bath water". I assure you my intention is for the advancement of science. With the inclusion of everything see - American Physical Society March Meeting 2023: https://meetings.aps.org/Meeting/MAR23/Session/CCC03.10

... I seek for the practice of science to be a complete study of nature as Albert Einstein had long sought. A topic I hope you and others wish to discuss at the meeting.

Perhaps you will find of interest that my research is being referenced for a new principle of scientific research. Please note, when I speak of the two mutually exclusive and jointly exhaustive predetermined nonlocal hidden variables of motion (direct and indirect selection) commonly misunderstood as consciousness. I am speaking of fundamental mechanics as confirmed via the Final Selection Experiment. https://www.tandfonline.com/doi/full/10.1080/19420889.2023.2203625

Meanwhile, now that you know that science as currently practiced is an incomplete study of nature, you also know we can do better than this. After all, your life may someday depend on lab reports (science) getting it right.

Regards,

Manuel Morales admin@temptdestiny.com

Retired Adjunct Professor Rowan College at Burlington County (Formally Burlington County College)

Tempt Destiny Experiment Research (http://temptdestiny.com/science.html)

Response to Letter of Intent

From: Tcherniavsky Nicole nicole.tcherniavsky@institutoptique.fr Subject: Re: How Experimenter Bias Has Corrupted The Nobel Prize

Date: May 30, 2023 at 4:08 AM

To: Manuel Morales msm@prephysics.com

TN

Dear M Morales,

Professor Aspect will not participate in QUEST 23 as I informed the organizers.

With my best regards



Nicole TCHERNIAVSKY | Assistante du Professeur Alain Aspect

Institut d'Optique Graduate School - IOGS

2, Avenue Augustin Fresnel - 91127 PALAISEAU Cedex - FRANCE

Le 26/05/2023 à 23:55. Manuel Morales a écrit :

Dear Prof. Alain Aspect,

I look forward to meeting you at the QUEST 2023 conference in Paris, France, next month. On June 29, 2023, you and I will be presenting our experimental research in the same session (see attached schedule).

I am not sure if you are aware that the nonlocal experiment I conducted from 2000-2012 confirmed without ambiguity that there are two mutually exclusive and jointly exhaustive nonlocal hidden variables necessary to conduct all local experiments including all Bell-type experiments. In my presentation I will address experimenter bias in particular the bias of not testing if the universe is or is not super-deterministic as John Bell predicted would negate his theorem and quantum mechanics as a fundamental theory.

More importantly, I will discuss how the failure to test for "predetermined choice", i.e., direct selection and indirect selection, as Bell had defined when he first coined the "super-deterministic" phrase leads to false-positive (inequalities?) and false-negative empirical evidence, see Tables 1-3: http://physiology.by/wp-content/uploads/2019/01/Morales_NewsOfBiomedicalSciences-pages-6-10.pdf

Case in point, in October of 2012 I had contacted CERN and members of the Nobel Committee at the time regarding my discovery and then in February, 2013, I sent them the link to my peer-reviewed article regarding the omission error (experimenter bias) that the Higgs boson discovery is based on. https://www.fundamentaljournals.org/index.php/ijfps/article/view/114/195

As a noteworthy scientist of integrity, I invite you to refute my findings of a super-deterministic nonlocal universe via the Final Selection Experiment: American Physical Society March Meeting 2021 - https://meetings.aps.org/Meeting/MAR21/Session/V33.10

Countless times over the past two decades I have been accused of "throwing out the baby with the bath water". I assure you my intention is for the advancement of science. With the inclusion of everything see - American Physical Society March Meeting 2023: https://meetings.aps.org/Meeting/MAR23/Session/CCC03.10

... I seek for the practice of science to be a complete study of nature as Albert Einstein had long sought. A topic I hope you and others wish to discuss at the meeting.

Perhaps you will find of interest that my research is being referenced for a new principle of scientific research. Please note, when I speak of the two mutually exclusive and jointly exhaustive predetermined nonlocal hidden variables of motion (direct and indirect selection) commonly misunderstood as consciousness, I am speaking of fundamental mechanics as confirmed via the Final Selection Experiment. —

https://www.tandfonline.com/doi/full/10.1080/19420889.2023.2203625

Meanwhile, now that you know that science as currently practiced is an incomplete study of nature, you also know we can do better than this. After all, your life may someday depend on lab reports (science) getting it right.

Regards,

Manuel Morales <u>admin@temptdestiny.com</u> Retired Adjunct Professor Rowan College at Burlington County

"It appears that a conspiracy is at play"

From: QUEST 2022 <questconference2022@gmail.com>

Sent: Wednesday, June 7, 2023 4:28 PM **To:** Manijeh Razeghi razeghi@northwestern.edu

Subject: Fwd: QUEST 2023 Nobel Laureate Attendees - It appears that a conspiracy is at play...



----- Forwarded message ------

From: Manuel Morales <admin@temptdestiny.com>

Date: Thu, Jun 7, 2023, 12:49 AM

Subject: QUEST 2023 Nobel Laureate Attendees -

To: questconference2022@gmail.com <questconference2022@gmail.com>, plmeunier@wanadoo.fr <plmeunier@wanadoo.fr>,jphuignard@free.fr <jphuignard@free.fr>, Dr. Ferechteh H. Teherani, France: <fhtwin@aol.com>

Cc: Alain Aspect <alain.aspect@universite-paris-saclay.fr>, Tcherniavsky Nicole <nicole.tcherniavsky@institutoptique.fr>, Anton Zeilinger <anton.zeilinger@univie.ac.at>, <Anton.Zeilinger@oeaw.ac.at>, <bobi_john@jfcbat.com>, <john@jfcbat.com>, <anders.irback@cec.lu.se>, <Mats.Larsson@fysik.su.se>, <haviland@kth.se>, <john.wettlaufer@yale.edu>, <eva.olsson@chalmers.se>, <hansson@fysik.su.se>, <ulf.danielsson@physics.uu.se>, <ellen.moons@kau.se>, <gunnar.ingelman@physics.uu.se>, Hooft, G. 't (Gerard) <G.tHooft@uu.nl>, <sabine.hossenfelder@Irz.uni-muenchen.de>

Dear Swetha,

It appears that a conspiracy to remove me from speaking at the QUEST 2023 event is at play.

- 1. I contacted Prof. Alain Aspect about me speaking at the same session that he and I was scheduled to participate in (see attached).
- 2. His response to me was as follows:

From: Tcherniavsky Nicole <nicole.tcherniavsky@institutoptique.fr>
Subject: Re: How Experimenter Bias Has Corrupted The Nobel Prize

Date: May 30, 2023 at 4:04:23 AM EDT **To:** Manuel Morales <msm@prephysics.com>

Dear M Morales,

Professor Aspect will not participate in QUEST 23 as I informed the organizers. With my best regards

Nicole TCHERNIAVSKY | Assistante du Professeur Alain Aspect

Institut d'Optique Graduate School - IOGS 2, Avenue Augustin Fresnel - 91127 PALAISEAU Cedex - FRANCE

- 3. Meanwhile, at the QUEST 2023 website, Prof. Alain Aspect was not removed from participating as he requested. Instead, he continues to be listed as speaking at the QUEST event despite me being informed that he was not participating.
- 4. Subsequently, on June 6, 2023, you informed me, and others have confirmed that I am not scheduled to speak at the QUEST event despite previous confirmation to the contrary.

I realize that my findings back in 2012 have negated the validity of the 2022 Nobel Prize in Physics of which Prof. Alain Aspect is one of the laureates. However, in science when a new discovery supersedes previous knowledge it is the responsibility of the practitioners of the art to either empirically refute said discovery or accept it in order to advance science. As I expressed to Prof. Aspect, the advancement of science is what I seek.

Nonetheless, with the questionable activities that have taken place, it would not be wise for me to try to participate in an event where it has become apparent that I, and said discovery, is not welcomed.

Regards,

Manuel Morales
admin@temptdestinv.com

Date: On Jun 7, 2023, at 7:53 PM, Manijeh Razeghi <razeghi@northwestern.edu> wrote:

Dear Prof Morales

Swetha is a secretary that has no scientific background and no authority for this conference.

If you were interested to participate, you had directly to contact me., or one of the Honorary CO- hairs, Prof Leo Ezaki (Nobel laurate), or Prof Von Klitzin g) Nobel Laurate).

Or great organizing committee such as Prof Paul-Louis Meunier, Dr Jean.Pierre Huignard, Dr F.H Hosseini, Dr Matin Defour, etc.. Not the secretary, who has following my instruction.

Since 2019, due to the pandemic we had to postpone QUEST till this year mid June. Unfortunately, due to the new president at Northwestern and graduation date, I had to put it end of June 27-30. That create a lot of problem for many including Co-Chair Prof Klaus Von Klitzing.

As Prof Alan Aspect could not participate in person with his approval we will demonstrate his talk for Nobel prize as well as ,after his suggestion his talk for dinner ceremony.

The same Prof Leo Ezaki that he has this year 99 years young, approved that we demonstrate some of his new video.

As you can see attach ed The session 6 will chairs by myself, Nobel Laurate prof Albert Fert, And Noble Laurate prof Gerard Mourou (the talk will be in Video then discussion).

If Prof. Alain Aspect ask me, it will be an honor to have you to speak in session 6!!

Please as a great scientist, behave accordingly and be a role model for future generation!

This meeting is coincide by 30th years anniversary of Center for Quantum Device That I created June 6 1993, at Northwestern with both prof Leo Ezaki and prof Klaus Von Klitzing!!

Best Regards

Manijeh

Manijeh Razeghi

Walter P. Murphy Professor

Director, Center for Quantum Devices

Department of Electrical Engineering and Computer Science

Northwestern University Phone: (847) 491-7251 Cook Room 4051 Fax: (847) 467-1817

2220 Campus Drive Email: <u>razeghi@eecs.northwestern.edu</u>
Evanston, IL 60208-3129 URL: <u>http://cgd.eecs.northwestern.edu</u>

From: Manuel Morales < admin@temptdestiny.com >

Sent: Thursday, June 8, 2023 3:27 PM

To: Manijeh Razeghi < razeghi@northwestern.edu>

Cc: Paul-Louis Meunier cpre>readousplmeunier@wanadoo.fr>; Jean Pierre Huignard jphuignard@free.fr>; fhtwin

<fhtwin@aol.com>; alain.aspect@universite-paris-

saclay.fr; nicole.tcherniavsky@institutoptique.fr; Anton.Zeilinger@oeaw.ac.at; bobbi_john@jfcbat.com; john@jfcbat.com; anders.irback@cec.lu.se; Mats.Larsson@fysik.su.se; haviland@kth.se; john.wettlaufer@yale.edu; eva.olsson@chalmers.se; hansson@fysik.su.se; ulf.danielsson@physics.uu.se

Subject: Re: QUEST 2023 Nobel Laureate Attendees – It appears that a conspiracy is at play...

Dear Prof. Razeghi,

Thank you for reaching out and offering some clarity to our miscommunications. Please note, in my past emails I also CC the contacts listed on your website as well.

Meanwhile, I sympathize with Alain Aspect, Anton Zeilinger, and John Clauser's bias against the notion of the experimenter not having the freedom of choose one experiment over another. I too found the theory of predetermined choice, i.e., superdeterminism, hard determinism, destiny, as an objectionable concept. However, I had an opportunity (see video: https://youtu.be/z8joZ_9DuWU) to put my bias aside and test if the universe (nature) is super-deterministic as John Bell offhandedly predicted would negate his theorem and quantum mechanics as a fundamental theory.



Many have speculated that if the universe was "super-deterministic" it would make the intellectual systematic study of nature (science) irrelevant such that falsifiability would not be possible. Another argument is the speculation that it is impossible to conduct a nonlocal experiment (nonlocal input - local output) in order to prove if quantum mechanics is a nonlocal theory. However, I did in fact conduct a falsifiable nonlocal experiment the results of which are unambiguous thus revealing that quantum mechanics is in fact a local theory and incomplete since there are two mutually exclusive and jointly exhaustive nonlocal input functions. The evidence reveals that what we think of as choice is a mechanical function predetermined by nature, not a freedom determined by the experimenter. In other words, we are objects in motion because we are objects of motion.

This claim can be validated by all human beings in real life via the Final Selection Experiment: https://youtu.be/1k03mdJOhbQ

This brings me back to the topic at hand, experimenter bias. The logic code we use to make sense of empirical evidence is as important as the methods used to obtain said evidence. As such, "how we think is how we speak". In linguistics, word order typology reveals that the human brain perceives the outside world via two mutually exclusive logic codes. One logic code is what we currently use to conduct science. The other logic code is what I used to obtain unambiguous empirical evidence. See video: https://youtu.be/8x3wMe1zZ-q

If anyone can violate the laws of nature via the Final Selection Experiment, then my research is invalid. If not, then we have much to discuss at the meeting by aligning in their proper order the nonphysical input mechanisms of motion (my field of expertise) with its physical output/effects (physics). See my first attempt at unification – http://fqxi.org/data/essay-contest-files/Morales mmorales variables.pdf

Please let me know if Prof. Aspect does not approve of me participating in the QUEST 2023 event. Time is of the essence.

Regards,

Manuel Morales admin@temptdestinv.com

From: Manijeh Razeghi razeghi@northwestern.edu

Subject: RE: QUEST 2023 Nobel Laureate Attendees - It appears that a conspiracy is at play...

Date: June 8, 2023 at 7:23 PM

To: Manuel Morales admin@temptdestiny.com

Cc: Paul-Louis Meunier plmeunier@wanadoo.fr, Jean Pierre Huignard jphuignard@free.fr, fhtwin fhtwin@aol.com, alain.aspect@universite-paris-saclay.fr, nicole.tcherniavsky@institutoptique.fr, Anton.Zeilinger@oeaw.ac.at, bobbi_john@jfcbat.com, john@jfcbat.com, anders.irback@cec.lu.se, Mats.Larsson@fysik.su.se, haviland@kth.se, john.wettlaufer@yale.edu, eva.olsson@chalmers.se, hansson@fysik.su.se, ulf.danielsson@physics.uu.se

Dear Prof Morales,

Thanks a lot for your e-mail and your interest to participate in this unique historical scientific event.

I do not need the permission of anybody to invite you and have you as an invited speaker at QUEST 2023?

It was enough to ask me directly!! You are already in the program.

This conference is multidisciplinary, it will be great if your talk can cover an overall view of whole conference, before closing ceremony.! Please let me know if you have any questions or comments?

https://www.youtube.com/watch?v=WmK7b2nlqho&t=304s

Best Regards

Manijeh

.....

Manijeh Razeghi

Walter P. Murphy Professor

Director, Center for Quantum Devices

Department of Electrical Engineering and Computer Science

Northwestern University Phone: (847) 491-7251 Cook Room 4051 Fax: (847) 467-1817

2220 Campus Drive Email: razeghi@eecs.northwestern.edu
URL: http://cgd.eecs.northwestern.edu

MR

From: Manuel Morales <admin@temptdestiny.com>

Subject: Re: QUEST 2023 arrangements **Date:** June 9, 2023 at 11:19:17 AM EDT

To: Manijeh Razeghi razeghi@northwestern.edu

Dear Prof. Razeghi,

It appears I misunderstood what you meant by stating, "Prof Alain Aspect ask me, It will be an honor to have you speak in session 6!!" - my apologies.

Thank you for confirming your interest in having me participate at QUEST 2023 and for waiving the registration fee. Please forward the revised schedule for me to know what session I will be participating in and to review the overall conference activities as requested. I look forward to meeting you at the conference.

Meanwhile, due to the past miscommunication with Swetha regarding me being removed from the schedule, I need to get a new flight at today's higher rates. Swetha also mentioned that accommodations may not be available.

I now need to review the arrangements involved. Any assistance would be greatly appreciated in this regard.

Best wishes.

Manuel Morales admin@temptdestiny.com

From: Manuel Morales <admin@temptdestiny.com>

Sent: Monday, June 12, 2023 11:00 AM

Cc: QUEST 2022 <questconference2022@gmail.com>; QUEST <quest@phronesisonline.org>; quest conference

<questconference86@gmail.com>

Subject: Fwd: QUEST 2023 arrangements

Dear Prof. Razeghi,

Please confirm the session I will be in and any additional activities you wish for me to participate in. Note, I do not have the current schedule.

I also need to lock down the airline ticket today and need to know if there are any accommodations available at the Hotel? Please advise.

Best wishes,

Regards,

Manuel Morales admin@temptdestiny.com

From: Manijeh Razeghi < razeghi@northwestern.edu>

Subject: RE: QUEST 2023 arrangements **Date:** June 12, 2023 at 12:25:52 PM EDT **To:** Manuel Morales <admin@temptdestiny.com>

Cc: QUEST 2022 <questconference2022@gmail.com>, QUEST <quest@phronesisonline.org>, quest conference <questconference86@gmail.com>, Paul-Louis Meunier <plmeunier@wanadoo.fr>, Jean Pierre Huignard <plmeunier@r.thalesgroup.com</p>

Dear Prof Morales

Please find attached the final program.

I do not need anything from you. You were interested to participate in this conference. Unfortunately there is nothing I can do. It is up to you?

Best Regards

Manijeh Razeghi





From: Manuel Morales admin@temptdestiny.com @

Subject: RE How Experimenter Bias Corrupted the Nobel Prize: QUEST 2023 Revised Schedule

Date: June 12, 2023 at 2:50 PM

To: Manijeh Razeghi razeghi@northwestern.edu, QUEST 2022 guestconference2022@gmail.com, QUEST quest @phronesisonline.org, quest conference questconference86 @gmail.com, Paul-Louis Meunier plmeunier@wanadoo.fr, Jean Pierre Huignard jphuignard@free.fr, fhtwin fhtwin@aol.com, DEFOUR Martin martin.defour@fr.thalesgroup.com Cc: Alain Aspect alain.aspect@universite-paris-saclay.fr, Tcherniavsky Nicole nicole.tcherniavsky@institutoptique.fr, Anton Zeilinger anton.zeilinger@univie.ac.at, Anton.Zeilinger@oeaw.ac.at, bobbi_john@jfcbat.com, john@jfcbat.com, anders.irback@cec.lu.se, Mats.Larsson@fysik.su.se, haviland@kth.se, john.wettlaufer@yale.edu, eva.olsson@chalmers.se, hansson@fysik.su.se, ulf.danielsson@physics.uu.se, ellen.moons@kau.se, gunnar.ingelman@physics.uu.se, Hooft, G. 't (Gerard) G.tHooft@uu.nl, sabine.hossenfelder@lrz.uni-muenchen.de

Dear Prof. Razeghi,

Thank you for forwarding the updated schedule.

I noticed the time for my presentation is now dead last instead of being in the same session with Prof. Alain Aspect as previously scheduled (see attached). How can this new time for my presentation be correct?

This change of schedule appears that perhaps Prof. Alain Aspect does not want me to be in the same session even though my research directly relates to his research. In light of all that has transpired (see below), if I am prohibited to speak in the same session as Prof. Alain Aspect as originally scheduled then there is no need for me to attend.

Regards,

Manuel Morales admin@temptdestiny.com

Retired Adjunct Professor Rowan College at Burlington County (Formally Burlington County College)

From: Manuel Morales admin@temptdestiny.com @

Subject: RE How Experimenter Bias Corrupted the Nobel Prize: QUEST 2023 Revised Schedule

Date: June 14, 2023 at 3:37 PM

To: Manijeh Razeghi razeghi@northwestern.edu, QUEST 2022 questconference2022@gmail.com, QUEST quest@phronesisonline.org, quest conference questconference86@gmail.com, Paul-Louis Meunier plmeunier@wanadoo.fr, Jean Pierre Huignard jphuignard@free.fr, fhtwin fhtwin@aol.com, DEFOUR Martin martin.defour@fr.thalesgroup.com

Cc: Alain Aspect alain.aspect@universite-paris-saclay.fr, Tcherniavsky Nicole nicole.tcherniavsky@institutoptique.fr, Anton Zeilinger anton.zeilinger@univie.ac.at, Anton.Zeilinger@oeaw.ac.at, bobbi_john@jfcbat.com, john@jfcbat.com, anders.irback@cec.lu.se, Mats.Larsson@fysik.su.se, haviland@kth.se, john.wettlaufer@yale.edu, eva.olsson@chalmers.se, hansson@fysik.su.se, ulf.danielsson@physics.uu.se, ellen.moons@kau.se, gunnar.ingelman@physics.uu.se, Hooft, G. 't (Gerard) G.tHooft@uu.nl, sabine.hossenfelder@lrz.uni-muenchen.de

Dear Prof. Razeghi,

I believe I owe you an apology and an explanation as to my reaction to having my presentation not included in session 6 as previously mentioned (see previous comment - "If Prof Alan Aspect ask me, It will be an honor to have you to speak in session 6!!"). After the previous removal of me speaking in the same session with Prof. Aspect (see attached schedule 1), I assumed you wanted me to speak in session 6 and also speak in the last session as you also mentioned - "This conference is multidisciplinary, it will be great if your talk can cover an overall view of whole conference before closing ceremony!"

After all that has taken place with me being scheduled to speak (see attached schedule 1), and then being removed from speaking (see attached schedule 2), and then not scheduled to speak in session 6 as discussed but only at the end of the conference (see attached schedule 3), I was puzzled and disappointed.

At the 2023 American Physical Society March Meeting, part one of my presentation "How to Test Superdeterminism" also dealt with experimenter bias - https://youtu.be/TyyRcv8xgb4 Note, my presentation was bumped back to being the last presentation in the last session of the last day of the conference. Due to "technical difficulties" when I was finally able to login the session was over and everyone in attendance was gone. When I saw that I was being scheduled last on the last day of the meeting but not scheduled for session 6 as discussed, it appeared déjà vu had struck once again.

As discussed, I was planning to do two sessions so that in the second session I could address questions from the first session and also suggest ideas of how we can move forward with uniting what we know (something - physics) to correspond with what we did not know (nothing - the hidden variables of motion) - how something comes from nothing. http://fqxi.org/data/essay-contest-files/Morales mmorales variables.pdf



Perhaps I could do a video presentation as Prof. Alain Aspect is doing instead? For example: https://meetings.aps.org/Meeting/MAR20/Session/U70.1 Please advise.

Meantime, I apologize for any misunderstandings and wish you much success with your event. Best wishes,

Manuel Morales admin@temptdestiny.com

Retired Adjunct Professor Rowan College at Burlington County

From: Giti Khodaparast khoda@vt.edu Subject: QUEST 2023 Program Date: June 14, 2023 at 9:31 AM

To: Manuel Morales admin@temptdestiny.com, Manijeh Razeghi razeghi@northwestern.edu

Cc: quest conference questconference86@gmail.com, Paul-Louis Meunier plmeunier@wanadoo.fr, Dr Ferechteh Teherani fhtwin@aol.com, JP jphuignard@free.fr, DEFOUR Martin martin.defour@fr.thalesgroup.com, Alain Aspect alain.aspect@universite-parissaclay.fr, Tcherniavsky Nicole nicole.tcherniavsky@institutoptique.fr, Anton Zeilinger

anton.zeilinger@univie.ac.at, Anton.Zeilinger@oeaw.ac.at, bobbi_john@jfcbat.com, john@jfcbat.com, anders.irback@cec.lu.se, Mats.Larsson@fysik.su.se, haviland@kth.se, john.wettlaufer@yale.edu, eva.olsson@chalmers.se, hansson@fysik.su.se, ulf.danielsson@physics.uu.se, ellen.moons@kau.se, gunnar.ingelman@physics.uu.se, sabine.hossenfelder@lrz.uni-muenchen.de, Gerard Renger gerardr@vt.edu

Dear Prof. Morales,

The organizing committee of QUEST2023 reviewed all submissions carefully and decided your abstract is more suitable for conferences closer to your research area.

We wish you all the best in your scientific activities,

Giti Khodaparast

NOTE: I ACCCEPTED THE QUEST 2023 INVITATION AND THEY ACCEPTED MY ABSTRACT FOR PRESENTATION (see page 2). The reader is invited to draw their own conclusions of what took place.



QUEST 2023

International Conference on Quantum Engineered Sensing and Information Technology

June 27-30, 2023 | Paris, France

	Day-1 June 27, 2023		
	Hall Name: ETOILE LOUVRE		
08:00-08:30	Onsite Registrations		
08:30-08:40	Moderator Introduction		
08:40-09:00	Opening Ceremony by Honorable Guests		
	Plenary Session		
09:00-09:20	Introduction		
09.00-09.20	Prof. P.L Meunier, Prof. J.P Huignard, Prof. M. Razeghi		
00.20 00.40	Prof. Jerzy M. Langer, Warsaw Scientific Society, Poland		
09:20-09:40	Title: European Innovation Council -A star in the making		
09:40-10:00	Dr. Bernhard Quendt, Chief Technical Officer, Thales, France		
09.40-10.00	Title: The second Quantum Revolution from an industrial Perspective		
10:00-10:30	Coffee Break@ TROCADERO		
	1981-1991 LCR Thomson CSF FRANCE		
10:30-10:40	Dr Olivier Acher , Dr DEFOUR Martin, Dr. J.P Huignard, Prof. P.L Meunier		
	1993-2023 CQD Northwestern University USA		
	Prof. Steve Silkin, Prof. Hooman Mohseni, Dr. Nguyen Binh-Minh , Prof. Pedram		
10:40-10:50	Khallili		
	2022-2023 Award Winners		
10:50-11:00	Prof. Alain Aspect, Prof. Gérard MOUROU, Prof. Nader Engheta, Prof. Dariush Afshin		
11-00-13.00	Group photo & Lunch @ PANORAMIC		
Session 1:	Session chaire: Prof. Dr. Elaesser Wolfgang, Prof Fainman Yeshaiahu		
13:30-14:00	Dr. Dominique M. Dagenais, National Science Foundation, U.S.A		
10100 11100	Title: The Quantum Leap Program at the National Science Foundation		
14:00-14:20	Prof. Helmy Amr S, Univeristy of Toronto, Canada		
11.00 11.20	Title: Semiconductor Circuits for Quantum Enhanced LIDAR Systems		
	Prof. Mehdi Alouini, Institut Foton, UNIVREN/CNRS, Rennes, France		
14:20-14:40	Title: Ultra-narrow linewidth self-adaptive photonic oscillator: From principle to product		
	Prof. Friedman Joseph, The University of Texas at Dallas, USA		
14:40-15:00	Title: Spintronic Phenomena for Reversible, Neuromorphic, and Reservoir Computing		
15:00-15:30	Coffee Break@ TROCADERO		
Session 2	Session chaire: Prof. Masud Mansuripur, Prof Fabrice DEVAUX		
	Session chaire: Prof. Masud Mansuripur, Prof Fabrice DEVAUX Dr. Andrew Thain, Space Systems, AIRBUS, Toulouse, France		
Session 2 15:30- 15:50	* /		
	Dr. Andrew Thain, Space Systems, AIRBUS, Toulouse, France		
	Dr. Andrew Thain, Space Systems, AIRBUS, Toulouse, France Title: Space based quantum communications at Airbus Dr Henri Jaffres, Université Paris-Saclay, F-91767 Palaiseau, France		
15:30- 15:50	Dr. Andrew Thain, Space Systems, AIRBUS, Toulouse, France Title: Space based quantum communications at Airbus		

16:10- 16:30	Dr. Tonouchi Masayoshi, Osaka University, Japan
	Title: Terahertz Emission Spectroscopy and Imaging of Semiconductor Heterostructures and
	Quantum Wells
16:30- 16:50	Prof. Ali Adibi, Georgia Institute of Technology, USA
	Title: Phase-change Materials for Reconfigurable Metaphotonics
16:50- 17:10	Prof. Jonas LARSON, Stockholm University, Sweden
	Title: Quantum optics in state space
17:10- 17:30	Prof. Pereira Mauro F, Khalifa University of Science and Technology, UAE
	Title: Giant Control of GHz-THz Nonlinearities in Semiconductor Superlattices
17:30- 17:50	Prof. Johannes Kunsch, Laser Components Germany GmbH, Germany
	Title: Updates on selected classic infrared components for benchmarking: PbS, PbSe, DLaTGS
	and LiTaO3 detectors
	Day-2 June 28, 2023
	Hall Name: ETOILE LOUVRE
Session 3	Session chaire: Dr. Bernanhard QUENDT, Prof Fabien Bretenaker
Session 3	Plenary Talk
	Prof. Alber Fert, Unité Mixte de Physique CNRS-Thales, Université Paris-Sud, Université Paris-
08:30-09:00	Saclay, Palaiseau, France
00.30-03.00	Title: Topological spintronics: From skyrmions to topological insulators
	Prof. Wolfgang ELAESSER, Technische Universitaet Darmstadt, Germany
09:00- 09:20	Title: Quantum Sensing with Photon Correlations of Classical Light: Ghost Imaging, Ghost
0,,,,,	Spectroscopy and Ghost Polarimetry
	Dr. Taichi OTSUJI, Tohoku University, Japan
09:20-09:40	Title: Graphene-based 2D Heterostructures for Plasmonic Terahertz Laser Transistors and
	Detectors
09:40-10:00	Prof Giti KHODAPARAST, Virginia tech, USA
07.10 10.00	Title: Optical Probe of Coherent States in Multi-Functional Materials
10:00-10:30	Coffee Break@ TROCADERO
Session 4	Session chaire: Prof Hooman MOHSENI, Prof. Helmy Amr S
	Prof AGNES MAITRE, Sorbonne Université, France
10:30-10:50	Title: Dramatic acceleration and spectral broadening of Cdse /CdS single nanocrystal emission
	under high excitation or large confinement
10:50-11:10	Prof Pedram Khalili, Northwestern University, USA
	Title: Spin-orbit torque switching of metallic antiferromagnets and ferrimagnets
11:10- 11:30	Prof. Yossi PALTIEL, The Hebrew University, Israel
	Title: Chiral molecules and the electron spin
11.20 11.50	Dr. Olivier Acher, HORIBA France SAS, Palaiseau, France Title: An in-plane position sensing technique with nm resolution based on machine vision:
11:30-11:50	application to microscopy and laboratory activities
	Prof. Igor ZUTIC, University at Buffalo, USA
11:50-12:10	Title: Proximitized Quantum Materials: From Superconducting Spintronics to Majorana States
12:10-13:10	Lunch @PANORAMIC
Session 5	Session chaire: Prof Nader ENGHETA, Dr. Jean-Pierre HUIGNARD
Dession 5	Design Chaire, 1101 Hader Entering Dr. Scall-Helle Helle Helle Helle
13:30-14:00	Prof. Eli Yablonovitch, University of California, USA
	Title: Optical Physics Does Digital Optimization—which we call Onsager Computing—for Machine Learning, Control Theory, Backpropagation, etc.
	wiachine Learning, Control Theory, Dackpropagation, etc.

14:00-14:20 Prof. Demetri PSALTIS, Ecole Polytechnique Federale de Lausanne (EPFL), Switzer Title: Programming optical learning machines Prof. Christophe MOSER, Ecole Polytechnique Federale de Lausanne (EPFL), Switzer Title: Nonlinear Processing with Only Linear Optics (nPOLO) Prof Masud Mansuripur, The University of Arizona, USA	
Title: Nonlinear Processing with Only Linear Optics (nPOLO)	
Title: Nonlinear Processing with Only Linear Optics (nPOLO)	
	erland
Prof Masud Mansurinur The University of Arizona USA	
14.40 15.00 1101 Wasaa Wansaripar, The Oniversity of Anizona, OSA	
14:40-15:00 Title: Fundamental properties of beam-splitters in classical and quantum optics	
15:00-15:30 Coffee Break@ TRO	OCADERO
Session 6 Session chaire: Prof Selim Shahriar , Dr. Martin DEFOUR	
15:30-15:50 Prof. Frederic Grillot, Institut Polytechnique de Paris, France	
Title: Secured free-space optics with mid-infrared quantum cascade lasers	
Prof. Yong Hang ZHANG, Arizona State University, USA	
15;50-16.10 Title: InAs/InAsSb type-II superlattice: Its material properties and applications in II	R lasers
and photodetectors	
16;10-16.30 Dr. Thierry DEBUISSCHER, Thales Research & Technology, France	
Title: Quantum sensing with ensembles of NV centers in diamond	
Prof. Amaud LANDRAGIN, Sorbonne Université, France	
16.30-16.50 Title: Quantum sensors with atomic interferometry	
Dr. Marina YAKOVLEVA, Université Paris-Saclay, France	
16.50-17;10 Title: Perfect coupling conditions for MIM antenna in zero magnetic field regions	
Day-3 June 29, 2023	
Hall Name: ETOILE LOUVRE	
Session 7 Session chaire: Prof Christos FLYTZANIS, Prof Jerzy M. LANGER	
Plenary Talk	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Pr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupét France Title: Quantum Optics in a Metastable Helium Vapor	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA	
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments	lec, CNRS,
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Pr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments Coffee Break@ TRO	lec, CNRS,
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Coffee Break@ TRO Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON	lec, CNRS,
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA	lec, CNRS,
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Coffee Break@ TRO Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON	OCADERO
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA	OCADERO
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA Title: Overview of SLS-Based Instrument Development at NASA/Goddard Space Fli Prof. Selim SHAHRIAR, Northwestern University, USA	OCADERO ght Center
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA Title: Overview of SLS-Based Instrument Development at NASA/Goddard Space Fli Prof. Selim SHAHRIAR, Northwestern University, USA	OCADERO ght Center
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA Title: Overview of SLS-Based Instrument Development at NASA/Goddard Space Flight Center, USA Title: Advanced Quantum Sensors: Superluminal Lasers, Subluminal Lasers and Sch Cat Atomic Interferometers Dr. Maxime OLIVA Atos Quantum Lab Atos Les Claves-Sous-Bois Yvelines France	OCADERO ght Center nroedinger
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments Coffee Break@ TRO Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA Title: Overview of SLS-Based Instrument Development at NASA/Goddard Space Fli Prof. Selim SHAHRIAR, Northwestern University, USA Title: Advanced Quantum Sensors: Superluminal Lasers, Subluminal Lasers and Sch Cat Atomic Interferometers	OCADERO ght Center proedinger
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level Dr. Fabien BRETENAKER, Université Paris-Saclay, ENS Paris-Saclay, CentraleSupél France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA Title: Overview of SLS-Based Instrument Development at NASA/Goddard Space Fli Prof. Selim SHAHRIAR, Northwestern University, USA Title: Advanced Quantum Sensors: Superluminal Lasers, Subluminal Lasers and Schattanic Interferometers Dr. Maxime OLIVA, Atos Quantum Lab, Atos, Les Clayes-Sous-Bois, Yvelines, France Dr. Maxime OLIVA, Atos Quantum Lab, Atos, Les Clayes-Sous-Bois, Yvelines, France	OCADERO ght Center proedinger
Plenary Talk Prof. Alain ASPECT, Institut d'Optique Graduate School / Université Paris-Saclay École Polytechnique / Institut Polytechnique de Paris, France Title: Single Photons, Entangled Photons: From Quantum Foundations to Quantum Technologies Prof. Fabrice DEVAUX, Université Bourgogne Franche-Comté15b, France Title: Two-photon holography and interference in twin images at the quantum level France Title: Quantum Optics in a Metastable Helium Vapor Prof. Manuel S. MORALES, Rowan College at Burlington County, USA Title: Experimenter Bias of Loophole-Free Bell Experiments 10:00-10:30 Session 8 Session chaire: Prof Frederic GRILLOT, Prof Lars SAMUELSON Dr. Murzy JHABVALA, NASA Goddard Space Flight Center, USA Title: Overview of SLS-Based Instrument Development at NASA/Goddard Space Flight Center, USA Title: Advanced Quantum Sensors: Superluminal Lasers, Subluminal Lasers and Schale Cat Atomic Interferometers Dr. Maxime OLIVA, Atos Quantum Lab, Atos, Les Clayes-Sous-Bois, Yvelines, France Title: Towards Fermionic Systems Simulations on Quantum Computers with Myqlin	ght Center proedinger n-Fermion

11.70.10.10	Dr. Matthieu Dupont -Nivet, Thales Resaerch and Technology, France
11:50-12:10	Title: Inertial Navigation with cold atom on chip
12:10-13:10	Lunch @PANORAMIC
Session 9	Session chaire: Dr. Ito HIROSHI, Prof Eli Yablonovitch
13:30-14:00	Prof. Nader Engheta, University of Pennsylvania, USA
	Title: Structuring Light with Metastructures
14:00-14:20	Dr. Yannick de WILDE, ESPCI Paris, PSL University, CNRS, Institut Langevin, France
	Title: Probing the infrared thermal radiation of patch antennas
14.20 14.40	Dr. Nils C. Gerhardt, Ruhr-University Bochum, Germany
14:20- 14:40	Title: Spin-Lasers: With Ultrafast Polarization Modulation to the Next Generation of Optical Communication Systems
	Dr. John PRINEAS, University of Iowa, USA
14:40-15:00	Title: Purcell Effect Versus Auger Scattering in Resonant Mid-Infrared W-Superlattice LEDs
15:00-15:30	Coffee Break@ TROCADERO
Session 10	Session chaire: Dr. Maxime OLIVA, Dr. Yannick de WILDE
	Dr. Joseph Tischler, University of Oklahoma, USA
15:30-15:50	Title: Hyperbolic Phonon Polaritons as a Route for Nanophotonic Devices
	Prof. Jeong Woo HAN, Universität Duisburg-Essen, Germany
15:50-16:10	Title: Nonlinear THz absorption in graphene plasmons
	Dr. Mi ZETIAN, University of Michigan, USA
16:10-16:30	Title: Ferroelectric nitride semiconductors: Epitaxy, quantum engineering, and emerging
	applications
16:30-16:50	Prof. Amanti Maria Ines, Université Paris Diderot, France
10.00 10.00	Title: Generation and manipulation of frequency states of light with AlGaAs quantum sources
16:50-17:10	Prof. Hooman Mohseni, Northwestern University, USA
	Title: Energy-Efficient Integrated Nano-Phototransistors
17:10-17:30	Dr. Yoshie OTAKE, RIKEN Center for Advanced Photonics, Japan
	Title: RIKEN Accelerator-driven compact neutron sources, RANS, and their applications Dr Samuelson Lars, Lund University, Sweden
17:30-17:50	Title: Realization of InGaN nanoLEDs delivering blue, green and red light
	Title. Realization of moan nanoleds derivering blue, green and red light
	Day-4 June 30, 2023
	Hall Name: ETOILE LOUVRE
Session 11	Session chaire:Prof Paul-Louis MEUNIER, Dr. Ferechteh HOSSEINI- TEHERANI
	Prof. Gérard MOUROU, École polytechnique Palaiseau, France
08:30-09:00	
	Title: Searching for Extreme Light
00 00 00 20	Dr. Afshin DARYOUSH, Drexel University, Philadelphia, USA
09:00-09:20	Title: Ultra-Broadband Compact Frequency Synthesizers Using Self-Forced Multi-Mode Multi-
	Quantum Semiconductor Lasers
09:20-09:40	Dr. Philippe LALANNE, CNRS-IOGS-Univ Bordeaux, Bordeaux, France
	Title: Interaction of light with non-Hermitian plasmonic nanoresonators: The mode volume
09:40-10:00	Prof. Leo GIUSEPPE, Université de Paris - CNRS, Paris, France
	Title: Second harmonic generation with wavefront control on dielectric metasurfaces
10:00-10:30	Coffee Break@ TROCADERO

Session 12:	Session chaire: Dr. Afshin DARYOUSH, Prof Drouhin Henri-Jean
10:30-10:50	
	Dr. Yeshaiahu (shaya) Fainman, University of California San Diego, USA
	Title: Nanoscale Light Emitters and their Dinamics
10.50.11.10	Dr. NGUYEN Binh-Minh, HRL Laboratories, LLC, USA
10:50-11:10	Title: Antimonide-based Narrow Bandgap Semiconductors for Infrared Technology and
	Quantum Information Science Dr. Jean-Francois GUILLEMOLES, CNRS-Ecole Polytechnique/IPParis-ENSCP/PSL-IPVF/SAS
11 10 11 20	18 boulevard Thomas Gobert, France
11:10-11:30	Title: Photovoltaic Conversion by Reciprocity
	Dr. Ito HIROSHI, The University of Tokyo, Japan
11:30-11:50	, , , , , ,
	Title: Low-Noise Terahertz-Wave Detector: Fermi-Level Managed Barrier Diode
11:50-12:10	Prof. Vijaysekhar Jayaraman, Praevium Research, Inc., USA
	Title: Detectors and Emitters for Mid-Wave Infrared Optical Communications
12:10-13:10	Lunch @PANORAMIC
Session 13:	Session chaire: Prof Pedram KHALLILI, Dr. Binh-Minh NGUYEN
	Prof. Christos Flytzanis, Ecole Normale Supérieure, France
13:30-14:00	
15.50 11.00	Title: Fashioning and Pumping up the Sound. Photodriven Coherent THz Acoustic Phonon
	Amplification and Quantum Cascade Saser Operation in Semiconductor Superlattices
	Dr. Luc DAME, Laboratoire Atmosphères, Milieux, Observations Spatiales (LATMOS),
14:00-14:10	IPSL/CNRS & University Paris-Saclay, France
	Title: New Disruptive Solar-blind UVC Sensors for New Space Applications
14 10 14 20	Dr. Linda J. OLAFSEN, Baylor University, USA
14:10-14:20	Title: Quasi-Fermi Level Pinning and Optical Pumping Analysis toward Reduction of Droop in Interband Cascade Lasers
14:20-14:30	Dr. Sebastien BIDAULT, Institut Langevin, ESPCI Paris, Université PSL, CNRS, Paris, France Title: Purcell Effect in Plasmonic and Dielectric Resonators
14 20 14 40	Dr. Mikhail NESTOKLON, Ioffe Institute, Russia
14:30-14:40	Title: Exciton Fine Structure in Lead Chalcogenide Quantum Dots: Interplay between Valley Mixing and Exchange Interaction
	Dr. Paola di PIETRO, Elettra-Sincrotrone Trieste S. C. p. A., Italy
14:40-14:50	Title: Nonlinear ultrafast studies on Dirac materials at TeraFERMI beamline
14:50-15:00	Dr. David HEYDARI, Stanford University, USA
	Title: Electric-field induced nonlinear optics in CMOS silicon nanophotonic waveguides
15:00-15:10	Dr. Paolo ROCCHI, IBM and LUISS University, Italy
	Title: An Engineering Theory of Sensing
15:10-15:20	Prof. Remi LEANDRE, Université de Bourgogne-Franche-Comté, France
13.10-13.20	Title: Toward a Wong-Zakai approximation for big order generators
15:20 15:20	Dr. Bertels KOEN, University of Ghent and QBee.eu, Belgium
15:20-15:30	Title: Quantum Computing Logic – an example for Quantum Genomics

Poster session Chairs; Prof Giti Khodaparast ,Prof Linda J. Olafsen		
QUEST P-01	Dr. Szymon Tofil, Kielce University of Technology, Poland	
	Different Effects of Laser Removal of Coatings with Different Lasers Devices	
OTTECT D 03	Dr. Kurp Piotr, Kielce University of Technology, Poland	
QUEST P-02	Mechanically Assisted Laser Forming of New Kind Helical Metal Expansion Joints	
QUEST P-03	Dr. Leonard CARDINALE, University of Oxford, Oxford, UK	
	Nuclear Spin Control in GaAs Quantum Dots via Nuclear Quadrupole Resonance	
15.30-17.00 Conference Closing Ceremony and Group photo Coffee Break@ TROCADERO		

Notification of IJFPS website being hacked.

From: Manuel Morales admin@temptdestiny.com

Subject: Re: International Journal of Fundamental Physical Sciences - Website Down!

Date: June 20, 2023 at 4:13 PM

To: Fundamental Journals ijfps@fundamentaljournals.org



On Jun 20, 2023, at 1:24 PM, Manuel Morales <admin@temptdestiny.com> wrote:

Dear Ko. Nakajima,

I noticed your web site is now back online! Good to see.

Best wishes,

Manuel Morales admin@temptdestiny.com

Retired Adjunct Professor Rowan College at Burlington County (Formally Burlington County College)

On Jun 17, 2023, at 11:36 AM, Fundamental Journals <i jfps@fundamentaljournals.org> wrote:

Dear Manuel,

Thank you for your kind email and your emotional support. We are really trying to work on the site 24 hours to solve this problem as soon as possible.

Certainly we will solve it soon but we have no idea now.

The aim of our team is to bring all papers as it was with the same links. Thank you again for your patience

Ko. Nakajima (中島) Managing Editor.

Editorial Office (Japan office) Fundamental Journals ijfps@fundamentaljournals.org https://www.fundamentaljournals.org/

_

On Sat, Jun 17, 2023 at 9:55 PM Manuel Morales admin@temptdestiny.com> wrote:

Dear Ko. Nakajima,

Thank you for getting back to me. I am sorry to hear that your web site was hacked. Please let me know when it is back online. I hope you will keep the same URL of my paper since it is reference at numerous websites including:

https://ui.adsabs.harvard.edu/abs/2012IJFPS...2...44M/abstract

Best wishes,

Manuel Morales admin@temptdestiny.com

Retired Adjunct Professor Rowan College at Burlington County (Formally Burlington County College) On Jun 14, 2023, at 9:36 PM, Fundamental Journals <ijfps@fundamentaljournals.org> wrote:

Dear Manuel Morales,

Unfortunately, despite the existence of security networks by OJS and our team, the journal has been attacked by some attackers and they have even asked for a large amount of money in the form of bitcoins, but our team is trying to solve this problem.

The journal website will surely be up and running again soon after this problem is fixed. Thank you for your patience.

Ko. Nakajima (中島) Managing Editor, Editorial Office (Japan office) Fundamental Journals ijfps@fundamentaljournals.org https://www.fundamentaljournals.org/

On Wed, Jun 14, 2023 at 10:38 PM Manuel Morales admin@temptdestiny.com> wrote:

Dear Bijan,

Are you aware that as of yesterday your website is down? - International Journal of Fundamental Physical Sciences (IJFPS)

Regards,

Manuel Morales

 $E = G^{\wedge_2}$

http://TemptDestiny.com admin@temptdestiny.com

Response to Nobel laureate Anton Zeilinger

On Jun 18, 2023, at 8:14 AM, Anton Zeilinger <anton.zeilinger@univie.ac.at> wrote:

Please cancel my name from your mailing list

Thanks you so much

From: Manuel Morales admin@temptdestiny.com Subject: Re: Response to Nobel laureate Anton Zeilinger

Date: June 21, 2023 at 10:32 AM



Dear Prof. Anton Zeilinger,

The reason I have included you in my emails regarding my previously scheduled participation in the QUEST 2023 event was that your research along with your 2022 Noble Prize colleagues Prof. Alain Aspect and Prof. John F. Clauser had been invalidated by my initial discovery (https://www.gsjournal.net/Science-Journals/Research%20Papers-Unification%20Theories/Download/3571) of the nonlocal hidden variables of motion aka the variables of a super-deterministic universe that you and your colleagues wittingly chose to ignore. For example your public comments at the APS March 2023 Meeting (timeline 1:38:22): https://www.youtube.com/watch?v=LOHeoW9GIVQ

... or Prof. Alain Aspect's bias regarding superdeterminism via "the so-called freedom of choice loophole": https://link.springer.com/content/pdf/10.1140/epjd/s10053-022-00557-6 ... or expressed as "the free-will loophole": https://physics.aps.org/articles/v8/123

A super-deterministic universe predetermined that the beam-splitter used in the Bell-type experiments will produce the effects obtained. By applying a mathematical interpretation, Bell's theorem or CHSH theorem, to empirical results does not change the predetermined mechanics of how the evidence was caused. Case in point, If you and your colleagues chose to remove the indirect selection potential, i.e., beam splitters – the act of motion (photon beam) paired with more-than-one potential (beam splitters), from your experiments you would not get the predetermined results that you obtained with the inclusion of the beam-splitters. In other words, the experimenter's choice regarding all local investigations is predetermined by nature, not determined by the experimenter.

This and other topics I would have presented for discussion at the QUEST 2023 meeting if the shenanigans that took place that prevented me from participating in the same session as Prof. Aspect did not occur. After what has taken place with the publisher of my "Assume Higgs Boson Discovery Proved Einstein Right" paper, it will be interesting to see how long it will take for the General Science Journal website to also be hacked now that I pointed this out.

Nonetheless, the fact that you and your colleagues and the entire human race cannot refute, although falsifiable via the Final Selection Experiment, the predetermined laws of nature speak volumes of its validity. Unfortunately, this also means that the empirical discovery of the nonlocal hidden variables of motion that was applied, published, and subsequently ignored (not a practice of science) by the Nobel Committee at that time and since then, 2012 marks the beginning of when science stopped being a verifiable study of nature.

As Albert Einstein had predicted nearly a hundred years ago, quantum mechanics is indeed an incomplete theory.

Regards,

Manuel Morales admin@temptdestiny.com

Retired Adjunct Professor Rowan College at Burlington County (Formally Burlington County College)