

Arthur I. Miller

Posts with Category: Past lectures,. Printed on April 2, 2021

LunchBreak: AI & Creativity with Arthur I Miller

20 October 2020

Categories: Past lectures

LunchBreak is a series of live, online interviews with artists, scientists, and creative technologists. Join us virtually on Zoom over your lunch break to hear from cross-disciplinary professionals all over the world.

October 22, 2020

6:00 -7:00 pm BST

Online Event by SciArt Initiative

[More info](#)

The World of AI-Powered Creativity

11 March 2020

Categories: Past lectures

The coronavirus strikes again. Very sadly – though not surprisingly – the Edinburgh Science Festival is no more. But you can still hear my thoughts on the great question of the day: ***Can computers be really creative?***



Elements of #EdSciFest – The World of AI-Powered Creativity

<https://youtube.com/watch?v=vlQa0-Pmbe8>



<https://www.sciencefestival.co.uk/event-details/the-world-of-ai-powered-creativity>

The Artist in the Machine: The World of AI-Powered Creativity

9 March 2020

Categories: Past lectures

April 4, 2020 at 2:00 pm

Lecture at Oxford Literary Festival

Oxford Martin Hall: Seminar Room,
Oxford University

[More info](#)

The World of AI-Powered Creativity

25 February 2020

Categories: Past lectures

March 10, 2020

7:30 pm – 9:30 pm

Conway Hall

25 Red Lion Square

Holburn

London

Today's computers are composing music that sounds "more Bach than Bach," turning photographs into paintings in the style of Van Gogh's *Starry Night*, and even writing screenplays. But are computers truly creative—or are they merely tools to be used by musicians, artists, and writers?

[More info](#)

The Artist in the Machine

25 November 2019

Categories: Past lectures

November 27, 2019 at 19.30-20.00

The lecture will be repeated at 20.30–21.00.

Science Museum – Basement Studio

South Kensington

London SW7 2DD

[ScienceMuseum.org.uk](https://www.sciencemuseum.org.uk)

Join Arthur Miller as he explores the amazing new world of creative AI. With autonomous machines making everything from art and literature to music, could this change the way we think about art and creativity?

A book signing will take place in the Basement Studio at 20.00 and 21.00.

The Artist in the Machine: The World of AI-Powered Creativity

19 November 2019

Categories: Past lectures

December 5, 2019 at 7:00 pm

ZKM – Center for Art and Media Karlsruhe
Lecture Hall

ZKM.de

Today machines have already shown glimpses of creativity in art, literature and music. As AI develops, completely new forms of the arts, currently unimaginable, are bound to emerge. Arthur Miller is curator, professor and author, in his work he explores this beautiful new world.

Will computers be creators like us and even go beyond us? Will we have to rethink concepts like “art” and “creativity” and, if so, how?

Please note: The lecture will be held in English.

Arthur I. Miller in Conversation with Mauro Martino

11 October 2019

Categories: Past lectures

November 5, 2019

6.00 – 7.00 pm

MIT Press Bookstore

301 Massachusetts Avenue

Cambridge MA 02139

[Tickets available](#)

Discussing Miller's latest book *The Artist in the Machine: The World of AI-Powered Creativity* at the MIT Press Bookstore.

Mauro Martino, PhD, is a scientist and artist who focuses on information technology related to exploration, dissemination and sharing of knowledge. He uses artificial intelligence to explore and enhance understanding of the world, transforming any type of information, whether it is visual, acoustic, or semantic, into interactive tools that are beautiful and simple to use. He is the founder and director of the Visual AI Lab at IBM Research.

Author Arthur I. Miller: “The Artist in the Machine”

11 October 2019

Categories: Past lectures

October 30, 2019

7.00 – 8.30 pm

Community Room – First Floor

65 Witherspoon Street

Princeton

NJ 08542

PrincetonLibrary.org

The Emeritus Professor of History and Philosophy of Science at University College London discusses his book, which examines questions of creativity in the age of machines. Now that computers can compose music like Bach or turn photographs into paintings in these style of Van Gogh, Miller reviews the creative process and interviews people on the cutting edge of artificial intelligence to discuss whether computers are already as creative as humans and if one day they will surpass us.

The Artist in the Machine: The World of AI-Powered Creativity

10 October 2019

Categories: Past lectures

October 22, 2019

12.30

Room 222

Whitehead Hall

Brooklyn College

NY

Arthur I Miller, an authority on creativity takes us on a tour of the extraordinary world of machine creativity, introducing us to AI-powered computers that are creating art, literature and music that may well surpass the creations of humans. But, Miller writes, in order to be truly creative, machines will need to step into the world. He probes the nature of consciousness and speaks to researchers trying to develop emotions and consciousness in computers. Miller argues that computers can already be as creative as humans, and someday will surpass us. But this is not a dystopian account; Miller celebrates the creative possibilities of artificial intelligence in art, music, and literature.

[Further details in PDF format](#)

Download

The Artist in the Machine: The World of AI-Powered Creativity

10 October 2019

Categories: Past lectures

October 28, 2019

4.30 pm

Room NAC 6/316 of the Rifkind Center

North Academic Center

CCNY

[Further details in PDF format](#)

Download

The Artist in the Machine: The World of AI-Powered Creativity

24 August 2019

Categories: Past lectures

September 30, 2019

7.00pm – 8.30pm

The Royal Institution,
21 Albemarle St,
Mayfair,
London W1S 4BS

[More info](#)

Today's computers are composing music that sounds "more Bach than Bach," turning photographs into paintings in the style of Van Gogh's *Starry Night*, and even writing screenplays. But are computers truly creative—or are they merely tools to be used by musicians, artists, and writers? Join **Arthur I Miller** who takes us on a tour of creativity in the age of machines and how they may one day surpass us.

Copies of Arthur's book, *The Artist in the Machine: The World of AI-Powered Creativity*, will be available for purchase and signing after the talk.

The Artist in the Machine: The World of AI-Powered Creativity

19 August 2019

Categories: Past lectures

October 8, 2019

7:45pm – 8:45pm

Cheltenham Literary Festival

The Inkpot,

Montpellier Gardens,

Cheltenham GL50 1UW

[Click here for tickets](#)

Today's computers are composing music that sounds more Bach than Bach, turning photographs into paintings in the style of Van Gogh's *Starry Night* and even writing screenplays. But are computers truly creative, or are they merely tools to be used by musicians, painters and writers to improve their art? **Arthur I. Miller** and **Murray Shanahan** take us on a tour of creativity and ask what it means to have original thought and consciousness in the age of machines. Chaired by **Julia Wheeler**.

The Artist in the Machine: The World of AI-Powered Creativity

12 August 2019

Categories: Past lectures

September 19, 2019

16.30 – 18.30

500/1-001 – Main Auditorium

CERN, Geneva

[More info](#)

Today machines have already shown glimpses of creativity in art, literature and music. As AI develops, completely new forms of the arts, currently unimaginable, are bound to emerge. I will explore this brave new world, probing questions like, Will computers be creators like us and even go beyond us? Will we have to rethink concepts like “art” and “creativity” and, if so, how? I will discuss all this and much, much more.

[Read more here](#)

The Artist in the Machine: The World of AI-Powered Creativity

29 July 2019

Categories: Past lectures

October 15, 2019

18.00 – 22.30

Real Time Club,

Liberal Club,

1 Whitehall Pl,

Westminster,

London SW1A 2HE

Today's machines have already shown glimpses of creativity in art, literature and music.

As AI develops, completely new forms of the arts – currently unimaginable – are bound to emerge; in our season of exploring AI and its uses, creativity and ethics our speaker – Prof Arthur I Miller – will explore this brave new world, probing questions such as: 'Can and will computers be creators like us and even go beyond us? Will we have to rethink concepts like 'art' and 'creativity' and, if so, how?' Prof Miller will discuss and debate all this and much, much more!

The narrative of *The Artist in the Machine: The World of AI-Powered Creativity* spins off the hundred-odd interviews which Prof Miller carried-out with scientists on the cutting-edge of AI-created art, literature and music.

This book brings together and extends his work of over three decades on creativity in humans and creativity in machines; it is a tour of creativity in the age of machines.

Moreover, it is not a dystopian account – rather it celebrates the creative possibilities of AI in the arts.

Everyone attending this event will receive a signed first edition of Arthur's *The Artist in the Machine: The World of AI-Powered Creativity* courtesy of the real Time Club.

AI as Artist and Musician

29 May 2018

Categories: Past lectures

22nd June 2018

7:00 pm

Private Lecture at Gluon Foundation

Slachthuisstraat 4-6, 1000

Brussels, Belgium

AI – Creator of New Art & Music

4 April 2018

Categories: Past lectures

27th April 2018

3:15 – 4:00 pm

FMX 2018: Creating Worlds

Raum Reutlingen

Stuttgart, Germany

For details see: <https://fmx.de/program2018/schedule?day=4>

AI – Creator of Exciting New Forms of Art and Music

7 February 2018

Categories: Past lectures

7th March, 2018

6:45 – 8:30 pm

Somerset House Studios

G16

New Wing

London

For details see: <https://www.somersethouse.org.uk/whats-on/jennifer-walshe-sound-salon-arthur-i-miller>

Panelist at The Future of Light Art

19 January 2018

Categories: Past lectures

8th – 9th February 2018

The Centre for Art and Media (ZKM)

Karlsruhe

Germany

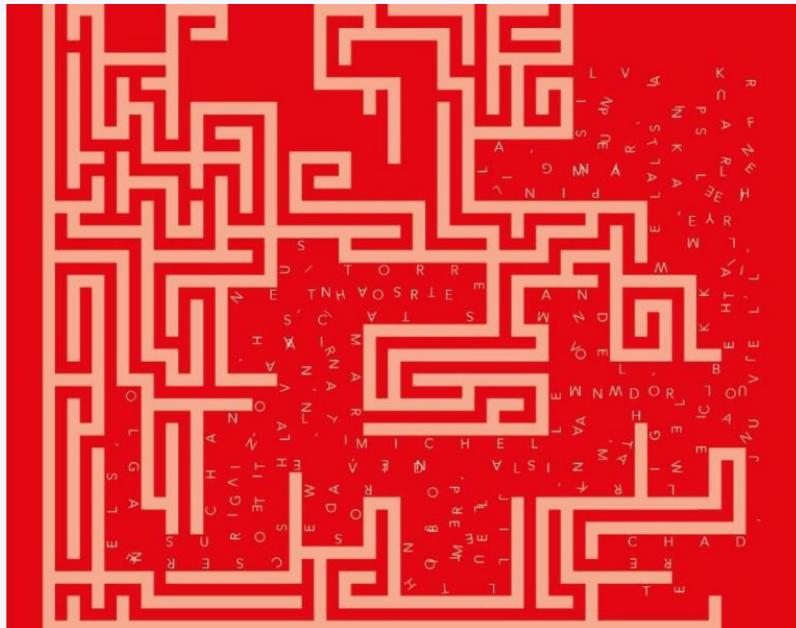
For details of the panel I am moderating with Professor Peter Weibel, 9th February see:

<http://zkm.de/en/event/2018/02/the-future-of-light-art>

Cryptic 2017: Art and Science

21 November 2017

Categories: Past lectures



Private view: 24 November, 6pm – 9pm

Open to the public: 25 – 26 November, 11am – 7pm & 27 November, 11am – 6pm

Discussion about creativity, intuition and process in art, science and technology: 26 November, 2pm

The Crypt Gallery, Euston Rd, London NW1 2BA (entrance via Duke's Road)

Cryptic: Art and Science returns for its second year, curated by Neus Torres Tamarit and hosted by the evocative Crypt Gallery on Euston Road. Building on the success of the inaugural exhibition in 2016, Cryptic features an international selection of nineteen artists, including postgraduate students and alumni from Central Saint Martins, Slade, Westminster University and Middlesex University.

Cryptic examines the relationship between art, science and technology, and features artworks that use technology and science variously as medium or message. Explore digital and kinetic interactive artworks, virtual reality, and mixed media installations, all set in the idiosyncratic spaces of the Crypt Gallery.

The rich and diverse subject matters include representations of time, mutation mutated into abstracted expression, exploration of form and material, genetics and evolution, synthesis of

emotions into sculptural and crystalline forms, the multiverse, religion through the olfactory sense, technology, control and new materialities, social media, climate change, and plastic waste.

Cryptic takes place from Friday 24th to Monday 27th of November with the Private View on Friday, 24th November from 6 to 9pm. A discussion around the subjects of creativity, intuition and process in art and science, organised by Ben Murray and CLOT Magazine, will take place on Sunday 26th November at 2pm. The discussion panel is conducted by Ben Murray with guests Adam Peacock, **Professor Arthur I Miller**, Dr Max Reuter, Natsai Audrey Chieza.

[Cryptic 2017](#)

The Colliding Worlds of Art, Science and Technology

5 June 2017

Categories: Past lectures

Art and Science, a SRUK initiative

17th June, 2017

Instituto Español Vicente Cañada Blanch

317-318 Portobello Rd

London W10 5SZ

For details see: <https://artandscience2017.com/programme/>

The Technology vs. Human Revolution

31 May 2017

Categories: Past lectures

13th – 16th July, 2017

Latitude Festival 2017

Henham Park

Southwold, Suffolk

For details see: <http://www.latitudefestival.com/line-up/artist/technology-vs-human-revolution>

SalonNorth: AI

31 May 2017

Categories: Past lectures

22nd June, 2017

7:30 pm

Berwins Salon North

The Crown Hotel

Harrogate

For details see: <http://harrogateinternationalfestivals.com/hif/salonnorth-ai/>

Aesthetics, Data and Machine Creativity

6 March 2017

Categories: Past lectures

Forms of Knowledge: Calculations and Creativity

18th April 2017

7:00 – 8:00 pm

The Hospital Club

24 Endell Street

London WC2H 9HQ

For details see: <http://www.thehospitalclub.com/events/view/18-04-17-forms-of-knowledge-calculations-and-creativity/public/preview>

Colliding Worlds

4 March 2017

Categories: Past lectures

7th – 9th July, 2017

Bluedot – a festival of science, arts and music

Jodrell Bank Observatory

Cheshire, UK

Dates and times of my two events to be announced

<http://www.discoverthebluedot.com/profile/colliding-worlds-with-arthur-miller>

AI: Now and in the Future

12 January 2017

Categories: Past lectures

'Transmission'

2nd February, 2017

7:30 – 10:00 pm

Doors open at 7:00 pm

Tickets: £15.00

The Hospital Club

24, Endell Street

London WC2H 9HQ

For details see: <http://www.salon-london.com/content/Events/Event/event-XCIV-99>

Creativity in a World of Machines

17 December 2016

Categories: Past lectures

7th – 9th July, 2017

Bluedot – a festival of science, arts and music

Jodrell Bank Observatory

Cheshire, UK

Dates and times of my two events to be announced

<http://www.discoverthebluedot.com/profile/creativity-in-a-world-of-machines-with-arthur-miller>

Art, Music, AI, the Avant-Garde and Creativity – Now

17 December 2016

Categories: Past lectures

30th June, 2017

Bradford Literary Festival

Bradford

For details see: <https://www.bradfordlitfest.co.uk/event/colliding-worlds-art-meets-science/>

Panelist at the JRC SciArt Summer School

16 July 2016

Categories: Past lectures

29th August – 2nd September, 2016

Ispra, Italy

Download details in PDF format: [SciArt Brochure](#)

AI (Artificial Intelligence) and Creativity in Art and Music

24 June 2016

Categories: Past lectures

7th December, 2016

4:00 – 5:30 pm

S-3.20 Strand Building

Strand Campus

King's College London

For details see: <http://www.kcl.ac.uk/artshums/depts/cmci/eventrecords/2016/AI-and-Creativity-in-Art-and-Music.aspx>

Art, Science, Technology and Creativity – Now

24 June 2016

Categories: Past lectures

31st October – 2nd November, 2016

Aha! festival

Chalmers Institute of Technology

Gothenburg

Sweden

Art, Science, Technology and Creativity – Now

Lecture 1:00-2:00 pm and I'll be on the panels, "Kickoff," 9:00-9:30 am, and "Curiosity: (How ideas come into being)," 9:30-11:00 am, also on 31st October.

For details see: <http://www.ahafestival.se/>

Artificial Intelligence: Brave New World

24 June 2016

Categories: Past lectures

16th July, 2016

5:00 – 6:00 pm

Latitude Festival

Wellcome Trust Hub

Further details: latitudefestival.com

Keynote Address at 3rd ISAT Conference

14 April 2016

Categories: Past lectures

14th – 17th November, 2016

National Cheng Kung University

Taiwan

For details see: <http://arthist.net/archive/12996>

For the complete schedule of lectures see: [Conference schedule](#)

The Times Debate: Origins of Genius

14 April 2016

Categories: Past lectures

7th June, 2016

4:30 pm

Cheltenham Science Festival

The Crucible

For details see: <http://www.cheltenhamfestivals.com/science/whats-on/grid>

Colliding Worlds

14 April 2016

Categories: Past lectures

Tags: Colliding Worlds

8th June, 2016

2:30 pm

Cheltenham Science Festival

Helix Theatre

For details see: <http://www.cheltenhamfestivals.com/science/whats-on/grid>

CogNovo workshop, The Neural Basis for Creativity

22 March 2016

Categories: Past lectures

Einstein and Picasso: On the cutting-edge of creativity

27th April, 2016

CogNovo workshop, The Neural Basis for Creativity

25-29 April, Plymouth, UK

For details see: <http://cognovo.eu/events/brain-basis-cognitive-innovation.php>

Archetypes, Myths and Stories – Creating Modern Science: Wolfgang Pauli and Carl Jung

11 January 2016

Categories: Past lectures

CogNovo Workshop 8

Scientific Mythologies

Curated by [Jane Grant](#), [John Matthias](#) and [Mike Phillips](#)

Art and Sound / i-DAT Research Clusters, School of Art and Media
Plymouth University, UK

25-29 January 2016

For details see: <http://cognovo.eu/events/scientific-mythologies.php>

Keynote address at The Fourth International Conference on “Transdisciplinary Imaging at the Intersections between Art, Science and Culture”

27 November 2015

Categories: Past lectures

Art, Science, Technology and the Scientific Image

1st July, 2016

Plymouth University,
UK

For details see: <http://transimage.i-dat.org>

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

5 November 2015

Categories: Past lectures

Tags: Colliding Worlds

18th November 2015

7:00pm

Bath Royal Literary & Scientific Institution

16-18 Queen Square

Bath BA1 2HN

For further details see:



Speaker: Prof Arthur I. Miller - University College London

Wednesday 18 November 2015 - 7:00pm
Bath Royal Literary & Scientific Institution
16 - 18 Queen Square, Bath, BA1 2HN

Non-members welcome - Admission Free - Coffee from 6:30pm

There is a quiet revolution going on in the world of art, a new avant-garde pushing the boundaries farther than ever before. These are artists who work together with scientists to make extraordinary creations that may well change the world as we know it. A growing number of artists have gone even further, becoming artist/scientist/technologist rolled into one. The works of these groups are shown in specialised galleries and in scientific establishments such as CERN, as well as playing a role in shaping public spaces.



The talk will discuss this brave new world and the changes in academia needed to keep up with it.

Professor Miller is professor emeritus of history and philosophy of science at University College London.

In 2013 he was a juror for the Prix Ars Electronica for Hybrid Art.

Einstein & Picasso: The Art of Science and the Science of Art

5 November 2015

Categories: Past lectures

10th May, 2016

3:00 pm

University of Florence, Department of Physics and Astronomy

Details to follow

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

5 November 2015

Categories: Past lectures

Tags: Colliding Worlds

23rd February, 2016

8:00 pm

Highgate Literary & Scientific Institution

11 South Grove

Highgate

London N6 6BS

Tel: 020 8340 3343

Further details: www.hlsi.net

Colliding Worlds lecture at the exhibit: Eureka!

1 October 2015

Categories: Past lectures

Tags: Colliding Worlds

29th October, 2015

The Art Pavilion

Mile End Park

Clinton Road

London E3 4QY

Further details: OsmosisMachine.co.uk

Can Computers Be Creative?

29 September 2015

Categories: Past lectures

26th October 2015

6:00 pm to 10:00 pm

Real Time Club

National Liberal Club

1 Whitehall Place

SW1A 2HE London

Tickets can be purchased via:

EventBrite.co.uk

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

22 September 2015

Categories: Past lectures

Tags: Colliding Worlds

3rd November, 2015

7:30 pm

UGent

Rommelaere Instituut

Jozef Kluyskensstraat, 29

Gent

Further details: www.postmortem.ugent.be

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

13 July 2015

Categories: Past lectures

Tags: Colliding Worlds

30th October, 2015

5:00 pm

St Cross College

University of Oxford

St Giles

Oxford OX1 3LZ

Further details: www.stx.ox.ac.uk

In conversation with Marius Kwint

16 June 2015

Categories: Past lectures

Latitude Festival

18th July, 2015

2:30 pm (approximately)

Henham Park

Southwold

Suffolk

In conversation with Marius Kwint: What is creativity? What are its conditions and its hallmarks? Can computers be creative? Are artists and scientists creative in similar ways or different? Can we understand the mind of an Einstein, a Bach, a Picasso?

Further details: LatitudeFestival.com

Panelist for “Synaesthesia, Performance, Immersive Atmospheres”

19 May 2015

Categories: Past lectures

26 May, 2015

4:00-6:00 pm

Artaud Performance Centre

School of Arts

Brunel University

Kingston Lane

Uxbridge

UB8 3PH

Middlesex

A conversation between Noam Sagiv, Sérgio Basbaum, Oded Ben-Tal, Diana Salazar, Maria Salgado, Gordana Novakovic, and Arthur I. Miller, moderated by Johannes Birringer, focusing on new interdisciplinary research linking psychology, sci-art, architecture & the performing arts

[Download details in PDF format](#)

Colliding Worlds lecture at the Physics Communicators Group Summer Meeting 2015

19 May 2015

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Tuesday 23rd June 2015

1:00 pm

Franklin Theatre,
Institute of Physics,
76 Portland Place,
London W1B 1NT

For details see: [Physics Communicators Group](#)

Colliding Worlds lecture at Black² Symposium

3 March 2015

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

6th May, 2015

2:30 – 6:00 pm

KNAW

Trippenhuis, Kloveniersburgwal 29

1011 JV

Amsterdam

The Netherlands

Read more: [Black²: Malevich and ArtScience](#)

Colliding Worlds lecture at Athens Science Festival

17 February 2015

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

18 March 2015

Read more: Athens-Science-festival.gr

Art, Science and the Creative Imagination

23 January 2015

Categories: Past lectures

2nd February, 2015

At the symposium: **Lines of Thought**

Trippenhuis Building Kloveniersburgwal 29

1011 JV Amsterdam

For details see: <http://www.knaw.nl/shared/resources/actueel/bestanden/lines-of-thought>

How the Avant-Garde of the Early 20th Century Affects National Security in the 21st

1 December 2014

Categories: Past lectures

27-28th March, 2015

To be presented at: **The Space-Time of War and Diplomacy**

Centre for International Security Studies

The University of Sydney

NSW 2006 Australia

For details see: QSymposium.net

Colliding Worlds lecture and conversation with computer artist/scientist William Latham

1 December 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds – where contemporary art meets technology

Contemporary Art – meet Science and Technology. Professor Arthur I Miller of UCL will be at Shoreditch House to explore exactly how cutting-edge science is redefining contemporary art, the subject of his latest book 'Colliding Worlds'. Science, engineering, computers, and algorithms are inspiring artists today, just as nature, hate, love and death used to inspire them. Arthur will explain the new and exciting era of digital contemporary art as artists strive to depict the wonders of our age of information – take a look at huge data sets worked aesthetically, sculpting with sound, folding together concepts of art with physics, using living matter to manipulate inert materials into new and beautiful forms, and artists who are striving to investigate what changes chip implants, gene transplants, and 3D printed organs make to our idea of what it is to be human. Understand the future of art with Professor Miller.

Following his presentation Arthur will be in conversation with the pioneering computer artist Professor William Latham of Goldsmiths College, an artist/scientist/technologist.

10th February, 2015

7:00pm

If you would like to attend please send your name to me (a.miller@ucl.ac.uk) and I'll have it placed on the guest list.

Shoreditch House
Ebor St
London E1 6AW

Creativity in Art, Creativity in Science – Identical

1 December 2014

Categories: Past lectures

15th January, 2015

To be presented at: **Future Forum**

Kings College School Wimbledon

Southside, Wimbledon Common

London SW19 4TT

Colliding Worlds lecture at De Montfort University

3 November 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

April 2015

De Montfort University

The Gateway

Leicester LE1 9BH

Colliding Worlds lecture by Arthur I. Miller at Pratt Institute

29 October 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

November 6th, 2014

5:30 pm

Alumni Reading room (3rd floor)

Library

200 Willoughby Ave

Pratt Institute

Brooklyn, NY, 11205

Campus Map (building 2): <https://www.pratt.edu/the-institute/visit-pratt/maps-and-directions/campus-map/>

Colliding Worlds lecture by Arthur I. Miller at the University of Pennsylvania

19 October 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

November 7, 2014

4:00 pm

University of Pennsylvania

Fisher Bennett Hall (corner of 34th and Walnut)

Room 401

Philadelphia, PA

Colliding Worlds lecture by Arthur I. Miller at the School of Visual Arts, New York

15 October 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Wednesday November 12th, 7:00-9:00 pm?

School of Visual Arts

209 East 23 Street (between 2nd and 3rd Aves)

3rd-floor amphitheater

New York, New York 10010

Colliding Worlds lecture by Arthur I. Miller at Stony Brook University

22 September 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Wednesday 5th November, 2014

5:30 pm

Stony Brook University

Simons Center for Geometry and Physics

Room 103

Stony Brook, NY 11790

Colliding Worlds lecture by Arthur I. Miller at *Today's Art Summit – Bright Collisions*

3 September 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Wednesday, 24th September?, 2014

10:00 am

Keynote Lecture at *Today's Art Summit – Bright Collisions*

Zuiderstrandtheater

The Hague, Netherlands

Colliding Worlds lecture by Arthur I. Miller at CERN bookstore, Geneva

29 August 2014

Categories: Past lectures

Tags: Colliding Worlds

How I came to write about the exciting world where art meets science.

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

21st October, 2014

2:30 pm

CERN

Building 52

1st Floor

Colliding Worlds lecture by Arthur I. Miller at University of Portsmouth

29 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Wednesday 8th October, 2014

6:30 pm

University of Portsmouth

Eldon Building

Winston Churchill Avenue

Portsmouth PO1 2DJ

In our large screening room 1.10

This special lecture is part of the CCI Seminar Series

Free admission

Colliding Worlds lecture by Arthur I. Miller at Science Gallery Dublin

29 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Thursday, October 2, 2014

6:00 pm to 7:15 pm

Science Gallery Dublin
The Naughton Institute
Paccar Theatre
Pearse Street
Trinity College
Dublin 2
Republic of Ireland

For further details and event registration see: Dublin.Sciencegallery.com

Colliding Worlds lecture by Arthur I. Miller at Ars Electronica, Linz, Austria

13 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

September 5, 2014

3:00-3:30pm

Akademisches Gymnasium

(Building Number 5 on this map <http://www.aec.at/c/en/map/>)

?Linz, Austria

Colliding Worlds lecture at Le Laboratoire, Cambridge MA

10 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

14th November

6:30pm

Le Laboratoire

650 East Kendall Street

Cambridge, MA, 02142?

Colliding Worlds lecture by Arthur I. Miller at CERN

8 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

October 23, 2014

4:30pm

Main Auditorium located in Building 500/1-001?

CERN

Colliding Worlds at Oxford University

7 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

5th December, 2014

2:00 pm

Lecture Theatre A of the Department of Computer Science
Oxford University

Colliding Worlds lecture by Arthur I. Miller at Le Laboratoire, Paris

1 August 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Tuesday 16th September 2014

7:00 pm

Le Laboratoire

4, rue du Bouloi

75001 Paris

www.laboratoire.org

Colliding Worlds lecture at University of Texas at Austin

30 July 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

29th October, 2014

4.15pm

The John A. Wheeler Lecture Hall (RLM 4.102)

Robert Lee Moore Hall Building

2515 Speedway (Corner 26th and Speedway)

The University of Texas at Austin

Colliding Worlds lecture by Arthur I. Miller at Harvard Book Store, Cambridge, MA

29 July 2014

Categories: Past lectures

Tags: Colliding Worlds

How I came to write about the exciting world where art meets science.

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

13 November 2014

7:30pm

Harvard Book Store
1256 Massachusetts Ave
Cambridge, MA 02138

Read more here: http://www.harvard.com/event/arthur_i_miller/

Colliding Worlds lecture by Arthur I. Miller at ZKM Karlsruhe

24 July 2014

Categories: Past lectures

Tags: Colliding Worlds

Wednesday 26th November, 2014

6.00pm

ZKM Karlsruhe

Vortragssaal

Lorenzstr. 19

76135 Karlsruhe, Germany

www.zkm.de

Colliding Worlds lecture by Arthur I. Miller at National Academy of Sciences, Washington, DC

24 July 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

3rd November, 2014

7.00pm

The National Academies Keck Center

500 5th Street, NW

Organized by Cultural Programs of the National Academy of Sciences

Colliding Worlds lecture by Arthur I. Miller at The Science Museum, London

24 July 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

15th October, 2014

6.30pm – 8.30pm

This lecture is part of the Patrons events programme and is by invitation only.

The Smith Centre
Imperial College Road
London, SW7 2DD

Colliding Worlds lecture by Arthur I. Miller at October Gallery, London

24 July 2014

Categories: Past lectures

Tags: Colliding Worlds

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

Thursday 25th September, 2014.

Arrive at 6.30pm for a 7.00pm start

9.30pm Close

Advance Tickets: £7/£5 concessions

£10.00 on the door

Refreshments available

October Gallery Theatre

24 Old Gloucester Street, Bloomsbury

London WC1N 3AL

Tickets available from: EventBrite.co.uk

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

1 July 2014

Categories: Past lectures

Tags: Colliding Worlds

Palas y las Musas: diálogos entre la ciencia y el arte

First International Congress

20-22 August 2014

Centro de Investigación en Matemáticas (CIMAT)

Teatro Juárez

Guanajuato

Guanajuato, MEXICO

Colliding Worlds: How Cutting-Edge Science is Redefining Contemporary Art

4 June 2014

Categories: Past lectures

Tags: Colliding Worlds

June 18th

6:00pm, refreshments at 5:30pm

Science Center, Room 4102

The Graduate Center

365 Fifth Avenue, NY

Creativity in Art and Technology

Einstein and Picasso

1 May 2014

Categories: Past lectures

May 20, 2014 – 8:00pm

Convention Center of School of Engineering of UFMG

6627 Presidente Antônio Carlos Ave., 6627 – Campus Pampulha

31270-901 – Belo Horizonte – MG – Brazil

For further details as well as the programme see <http://www.innovationandclusters.com/program/>

Creativity in Artsci: Art & Science in the 21st Century

15 January 2014

Categories: Past lectures

14 April 2014

To be presented at the Summer School:

Science & Art: So Different, So Similar!

Santiago de Compostela, Spain

April 13-19, 2014

Creativity in Art, Science and Technology

11 November 2013

Categories: Past lectures

November 28, 2013

Creativity in Art, Science and Technology

International workshop “Innovation and clusters: Business Opportunities”

November 27-29, 2013

Belo Horizonte, Brasil

Bringing together Art & Science – What a Concept!

15 October 2013

Categories: Past lectures

October 25, 2013

2:00pm

Brunel's Old Station Passenger Shed by Temple Meads

Bristol

Further details (tickets required): <http://www.watershed.co.uk/whatson/season/253/danceroom-spectroscopy-festival/>

The New Avant-Garde

28 August 2013

Categories: Past lectures

September 5, 2014

5.30 pm

Ars Electronica

Linz, Austria

For details see:

<http://us5.campaign-archive2.com/?>

[u=45963fe3d5ee3ed2a808a24b2&id=801628f7aa&e=6f7e278c87](http://us5.campaign-archive2.com/?u=45963fe3d5ee3ed2a808a24b2&id=801628f7aa&e=6f7e278c87)

Creativity in Art, Creativity in Science

21 May 2013

Categories: Past lectures

October 24, 2013

6:00pm

Gresham College

Barnard's Inn Hall

Holborn, London EC1N 2HH

ABSTRACT: Artists and scientists alike seek out visual images of worlds both visible and invisible. They attempt to 'read' nature in very similar ways: artists make drawings as they work towards the finished canvas while scientists use mathematics as a tool to work towards a scientific theory. I will explore this fascinating realm of highly speculative thought and look into some fundamental questions: Are there similarities in the creative processes of artists and scientists? If so, what are they? And how can cognitive science help us understand the nature of creativity?

Further details: <http://www.gresham.ac.uk/lectures-and-events/creativity-in-art-creativity-in-science>

Co-juror for the Cosmos exhibition of Art & Science Collaborations Inc. (ASCI)

21 May 2013

Categories: Past lectures

For further details visit: www.asci.org/artikel1194.html and www.asci.org/artikel1188.html

Tällberg Forum 2013

21 May 2013

Categories: Past lectures

The New Avant-Garde: Dispatches from the Edge of Art & Science

June 15, 2013

Tällberg Forum 2013

Tällberg, Sweden

For details see <http://www.tallbergfoundation.org/Default.aspx?tabid=1275>

At a breakout session on interdisciplinarity I will present talking points based on my forthcoming book, ***The New Avant-Garde: Dispatches from the Edge of Art & Science***, which explores how art and science developed in parallel in the 20th and 21st centuries. Among them are: What is the meaning of art and aesthetics in the 21st century? Will art and science fuse?

Prix Ars Electronica Jury for Hybrid Art

4 March 2013

Categories: Past lectures

17-21 April 2013

Prix Ars Electronica Jury for Hybrid Art

Ars Electronica

Linz, Austria

Panel Discussion of Art and Science

3 March 2013

Categories: Past lectures

March 14, 2013

GV Art gallery

49 Chiltern Street

London W1U 6LY

7-8.30pm

[Click here for E-Invite](#)

Parallels Between Art and Science

14 January 2013

Categories: Past lectures

Presentation at the symposium: **Your Creative Brain: Neuroscience and the Imagination**

Click here to download current details in PDF format: [British Library Programme](#)

Presentation: Visualising the Invisible

QUANTUM CINEMA ArtScie Symposium

4 January 2013

Categories: Past lectures

21.01.2013 – 13:00 bis 18:00 | Seminarraum A, DG, University of applied Arts, Vienna

Arthur I. Miller, Presentation: *Visualising the Invisible*

Konferenz Symposium

Quantum Cinema ArtScie Symposium

Montag, den 21.01.2013, Universität für angewandte Kunst, ab 13:00

Monday, 01-21-2013, University of Applied Arts, Vienna, from 1 p.m.

Panel with participants:

Peter Weibel (Mediatheorist, Curator, head of QC_project), **Helmut Rauch** (Experimental Quantum Physics), **Elisabeth von Samsonow** (Philosophy), **Hellmuth Stachel** (Discrete Mathematics and Geometry), **Martin Bluemlinger** (Mathematics and Scientific Computing), **Arthur I. Miller** (Science historian and writer, GB), **Bob Coecke** (Department of Computer Science – University of Oxford, GB), **Michel Planat** (Quantum Information – Institut FEMTO-ST, FR), **Claire Pajaczkowska** (School of Material, Royal College of Art London).

Opening talk for the exhibition: Peter Weibel + Renate Quehenberger: QUANTUM CINEMA – a Digital Vision

4 January 2013

Categories: Past lectures

Art Research on the **Foundations of Quantum Mechanics** by means of digital new media art, 2010
– 2013

at **Angewandte SCHAURAUM**, Quatier 21, Electric Avenue, Museumsquartier

Opening: 17.01.2013, 19:30

Exhibition: 18.01.2013 – 17.03.2013

[Click here for further details](#)

Einstein & Picasso: The art of science and the science of art

14 November 2012

Categories: Past lectures

November 28, 2012 at 6:30pm

City University of New York (CUNY)
Science Center at the Graduate Center
365 Fifth Avenue

Room 4.102 on the 4th floor

Abstract: Almost simultaneously, in the first decade of the 20th century Albert Einstein discovered relativity and Pablo Picasso cubism. How – and why? This fascinating story involves their often turbulent personal lives; the high drama of their struggles to achieve new ideas in the face of opposition from contemporaries; and the unlikely sources for their creative leaps, ignored by everyone else.

To fully understand what happened involves coming to grips with wide-ranging questions such as: Are there similarities in creativity between artists and scientists? What do artists and scientists mean by 'aesthetics' and 'beauty'? Can we unravel creativity at its highest level?

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

4 August 2012

Categories: Past lectures

November 15, 2012

Departments of Astronomy & Physics

Yale University

BASS Building, Room 305

Science Hill

New Haven, CT

Abstract:

In 1930 a nineteen-year-old Indian graduate student, Subrahmanyan Chandrasekhar, came up with the first mathematical proof of black holes. But five years later, when he presented his findings at the Royal Astronomical Society in London, he found himself pitted against the greatest astrophysicist of the day, Sir Arthur Stanley Eddington, who scathingly dismissed both Chandra and his theory. It was a battle of personalities, generations, ideas and also of cultures which was to have a devastating impact on the development of astrophysics for years to come. Who were the two men, what were the ideas that caused such uproar, and how was the conflict finally resolved? I will discuss all this and also consider what this story has to tell us about what science is, how it works, and where it can go wrong.

Jungian Archetypes and Creativity: The Strange Friendship of Wolfgang Pauli and Carl Jung

29 May 2012

Categories: Past lectures

November 29, 2012

School of Visual Arts

New York City

133/141 West 21st Street

Room 101c

6:30pm

For further details please visit the [School of Visual Arts website](#).

Abstract:

At a key time in his scientific development, the physicist Wolfgang Pauli underwent analysis by Carl Jung. The encounters were inspiring for both men and sparked changes in their work. I will discuss how two of Pauli's most important scientific discoveries were affected by Jung's analysis of his dreams: why atoms are structured as they are (the Pauli exclusion principle) and what this has to do with the archetypal number four; and the necessity for mirror symmetry as an archetype in physics as well as in the collective unconscious. A very different Pauli emerges, one at odds with esteemed colleagues such as Niels Bohr and Werner Heisenberg.

Visualising the Invisible: Drawing and the Scientific Imagination

7 May 2012

Categories: Past lectures

July 2, 2012

IES Urbano Lugo (A Coruña)

Summer School for Art and Science

Santiago de Compostela, Spain

Abstract:

Artists and scientists alike seek out visual images of worlds both visible and invisible. They attempt to 'read' nature in very similar ways: artists make drawings as they work towards the finished canvas while scientists also use drawings, in addition to mathematics, as tools to work towards a scientific theory. I will explore this fascinating realm of highly speculative thought and look into some fundamental questions: Are there similarities in the creative processes of artists and scientists? If so, what are they? And how can cognitive science help us understand the nature of creativity?

Merging of Art & Science

The Coming of a Third Culture

1 March 2012

Categories: Past lectures

April 26, 2012

Bowland Lecture Theatre
Berrick Saul Building
University of York

Abstract:

Today the term 'art and science' is on everyone's lips. But what is it and where is it going? I predict that in the future art and science – the traditional 'two cultures' that still often eye each other warily – will fuse to form a 'third culture'. Interdisciplinarity will become a discipline and art and science as we know them will disappear. Aesthetics and art itself will be redefined.

To explore this I will look at the interplay between art and science in the 20th and 21st centuries. How do collaborations between artists and scientists come about and how do these collaborations work? How does science affect art and art affect science? Are art and science fusing into a third culture and if so what will this third culture be like? I will look at these questions and more using illustrations and examples.

[Click here to download the programme.](#)

Creativity in Art, Creativity in Science

7 February 2012

Categories: Past lectures

What can cognitive science tell us about the mind

February 20, 2012 at 2:30pm

University Pierre and Marie Curie

4 place Jussieu

Tower 55/56

2nd floor

Room 203

Paris

Abstract:

Artists and scientists alike seek out visual images of worlds both visible and invisible. They attempt to 'read' nature in very similar ways: artists make drawings as they work towards the finished canvas while scientists use mathematics as a tool to work towards a scientific theory. I will explore this fascinating realm of highly speculative thought and look into some fundamental questions: Are there similarities in the creative processes of artists and scientists? If so, what are they? And how can cognitive science help us understand the nature of creativity?

Performance at Salon-London

6 February 2012

Categories: Past lectures

1st March 2012 at 7:30pm

<http://www.salon-london.com/content/Events/Event/event-Salon-XV-15>

Salon-London

University Women's Club

2 Audley Square

London W1K 1DB

Beyond Imagination – Eliminating Limits

26 January 2012

Categories: Past lectures

Conversation on “**Creativity and the Beauty that Creates Havoc**” with Teresa Amabile, Howard Gardner and Hans Rosling

14-17 June 2012

Tällberg Forum 2012: “Beyond Imagination – Eliminating Limits”

Tällberg, Sweden

Merging Art & Science

The Coming of a Third Culture

20 January 2012

Categories: Past lectures

9th February 2012 at 2:00pm

Kinetica Art Fair

Ambika P3

35 Marylebone Road

London NW15LS

Abstract:

Today the term 'art and science' is on everyone's lips. But what is it and where is it going? I predict that in the future art and science – the traditional 'two cultures' that still often eye each other warily – will fuse to form a 'third culture'. Interdisciplinarity will become a discipline and art and science as we know them will disappear. Aesthetics and art itself will be redefined.

To explore this I will look at the interplay between art and science in the 20th and 21st centuries. How do collaborations between artists and scientists come about and how do these collaborations work? How does science affect art and art affect science? Are art and science fusing into a third culture and if so what will this third culture be like? I will look at these questions and more using illustrations and examples.

Pauli's Creativity and Jungian Archetypes

28 November 2011

Categories: Past lectures

For the Colloquium: *Art, Science and Culture: Towards a reevaluation of the work of Carl Gustav Jung*

May 10-12, 2012

University of Strasbourg

Strasbourg, France

Abstract:

At a key time in his scientific development, the physicist Wolfgang Pauli underwent analysis by Carl Jung. The encounters were inspiring for both men and sparked changes in their work. I will talk about how two of Pauli's most important scientific discoveries were affected by Jung's analysis of his dreams: why atoms are structured as they are (the Pauli exclusion principle) and what this has to do with the archetypal number four; and the necessity for mirror symmetry as an archetype in physics as well as in the collective unconscious. A very different Pauli emerges, one at odds with esteemed colleagues such as Niels Bohr and Werner Heisenberg.

Einstein and Picasso: The art of science and the science of art

28 November 2011

Categories: Past lectures

February 6, 2012 – 6:30pm

Central Saint Martins College of Art and Design

University of the Arts London

Granary Building

1 Granary Square

London N1C 4AA

(Open only to staff and students at CSM)

Abstract:

Almost simultaneously, in the first decade of the 20th century Albert Einstein discovered relativity and Pablo Picasso cubism. How – and why? This fascinating story involves their often turbulent personal lives; the high drama of their struggles to achieve new ideas in the face of opposition from contemporaries; and the unlikely sources for their creative leaps, ignored by everyone else.

To fully understand what happened involves coming to grips with wide-ranging questions such as: Are there similarities in creativity between artists and scientists? What do artists and scientists mean by 'aesthetics' and 'beauty'? Can we unravel creativity at its highest level?

Merging Art & Science: The Coming of a Third Culture

7 November 2011

Categories: Past lectures

November 21, 2011 – 6:00pm

Le Laboratoire
4, Rue du Boubi
75001 Paris
France

Abstract:

Today the term 'art and science' is on everyone's lips. But what is it and where is it going? I predict that in the future art and science – the traditional 'two cultures' that still often eye each other warily – will fuse to form a 'third culture'. Interdisciplinarity will become a discipline and art and science as we know them will disappear. Aesthetics and art itself will be redefined.

To explore this I will look at the interplay between art and science in the 20th and 21st centuries. How do collaborations between artists and scientists come about and how do these collaborations work? How does science affect art and art affect science? Are art and science fusing into a third culture and if so what will this third culture be like? I will look at these questions and more using illustrations and examples.

Visualising the Invisible

22 October 2011

Categories: Past lectures

November 14, 2011 – 3.00pm

Central Saint Martins
Bryam Shaw Building
2 Elthorne Road
London N19 4AG

Open only to staff and students at Central Saint Martins

Abstract:

Artists and scientists alike seek visual images of worlds both visible and invisible. They attempt to 'read' nature in a very similar way – drawings precede both the finished canvas and the completed scientific theory. Exploring this fascinating realm of highly speculative thought involves coming to grips with wide-ranging questions such as: Are there similarities in creativity between artists and scientists? And if so, what are they?

ARTHUR I. MILLER is emeritus professor of history and philosophy of science at University College London. He is fascinated by the nature of creative thinking and, in particular, in creativity in art (on the one hand) and science (on the other). What are the similarities, what are the differences? An experienced broadcaster, lecturer and biographer, he is noted for being able to write engagingly about complex social and intellectual dramas, weaving the personal with the scientific to produce page-turners that read like novels.

His latest book is *Deciphering the Cosmic Number: The Strange Friendship of Wolfgang Pauli and Carl Jung* (W.W. Norton, 2009). The paperback version is *137: Jung, Pauli, and the Pursuit of a Scientific Obsession* (W.W. Norton, 2010). Among his other books are *Empire of the Stars* (Little Brown, 2005), which was shortlisted for the 2006 Aventis Prize for Science Books, and *Einstein, Picasso* (Basic Books, 2001), which was nominated for the Pulitzer Prize

Presently he is writing a book with the tentative title, *The Creative Revolution* and also co-curating the show *Art & Science: Merging Art & Science to Make a Revolutionary New Art Movement* at GV Art gallery in London. For more see the e-catalogue [here](#).

Art & Science: The Coming of a Third Culture

28 September 2011

Categories: Past lectures

Thursday, October 27, 6:00 pm

Department of Art History, NYU
Room 301, NYU Silver Building
(Enter at 32 Waverly Place)

Abstract:

Art and science once seemed opposed, but some of today's most innovative artists are fusing them. Striving to visualize the invisible, pondering what it will mean to be human in the future, they create objects that redefine our idea of "art." A recent exhibition at GV Art (London) gathered together a group of these cutting-edge artists.

Exhibition curator Arthur I. Miller, author of notable books on Einstein, Picasso, Jung, and the nature of creativity, will discuss the rise of a new contemporary culture driven by science and technology. Taking the exhibition as a starting point, his talk will explore questions ranging from the practical to the philosophical. How exactly do artists and scientists collaborate? How does science affect art? How can art affect science? What will it mean to live in a new "third culture" that is a synthesis of the two?

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

6 September 2011

Categories: Past lectures

6 October, 2011

Main Auditorium

CERN

Geneva

Switzerland

Abstract:

In 1930 a nineteen-year-old Indian graduate student, Subrahmanyan Chandrasekhar, came up with the first mathematical proof of black holes. But five years later, when he presented his findings at the Royal Astronomical Society in London, he found himself pitted against the greatest astrophysicist of the day, Sir Arthur Stanley Eddington, who scathingly dismissed both Chandra and his theory. It was a battle of personalities, generations, ideas and also of cultures which was to have a devastating impact on the development of astrophysics for years to come. Who were the two men, what were the ideas that caused such uproar, and how was the conflict finally resolved? I will discuss all this and also consider what this story has to tell us about what science is, how it works, and where it can go wrong.

Einstein and Picasso: The art of science and the science of art

6 September 2011

Categories: Past lectures

4 October 2011

Theory Conference Room

Building 4-3-006

CERN

Geneva

Switzerland

Abstract:

Almost simultaneously, in the first decade of the 20th century Albert Einstein discovered relativity and Pablo Picasso cubism. How – and why? This fascinating story involves their often turbulent personal lives; the high drama of their struggles to achieve new ideas in the face of opposition from contemporaries; and the unlikely sources for their creative leaps, ignored by everyone else.

To fully understand what happened involves coming to grips with wide-ranging questions such as: Are there similarities in creativity between artists and scientists? What do artists and scientists mean by 'aesthetics' and 'beauty'? Can we unravel creativity at its highest level?

Creative Processes Within Fantasies: The Strange Friendship of Wolfgang Pauli and Carl Jung

3 August 2011

Categories: Past lectures

Embodied Fantasies
International Conference and Artists' Presentations

Website: <http://embodiedfantasies.sva.edu/>

October 28-30, 2011

School of Visual Arts
335 West 16th Street
New York, NY 10011
USA

Abstract:

At a key time in his scientific development, the physicist Wolfgang Pauli underwent analysis by Carl Jung. The encounters were inspiring for both men and sparked changes in their work. I will talk about Pauli and how his scientific discoveries were affected by Jung's analysis of his dreams. At the time Jung was looking into alchemy, mysticism and the I Ching. A very different Pauli emerges, one at odds with esteemed colleagues such as Niels Bohr and Werner Heisenberg.

Creativity – What a Concept!

3 August 2011

Categories: Past lectures

Creativity: Meaning, Mechanisms, Models

12-16 September 2011

Lorentz Center

Leiden

The Netherlands

Abstract:

What is it that makes creativity so mystifying? Are there similarities in the creativity of artists and scientists? If so, what? And how can cognitive science help us understand the nature of creativity? I will explore these issues with concrete examples as well as offering a model for creativity that I call 'Network Thinking'.

Art & Science: Merging Art & Science to Make a Revolutionary New Art Movement

31 May 2011

Categories: Past lectures

[Art & Science – Merging Art & Science to Make a Revolutionary New Art Movement](#)

Creativity in Art and Science

30 May 2011

Categories: Past lectures

July 12, 2011

The Art and Mind Symposia

GV Art gallery

49 Chiltern Street

London W1U 6LY

www.gvart.co.uk

www.artandmind.org

I am addressing a distinguished group of diners at one of a series of private dinners (The Art and Mind Symposia) hosted by **Art and Mind** and **GV Art gallery** in London.

Abstract:

Creativity: What is it? How does it happen? How does the mind transform incoming sensations into knowledge? This is the key problem faced by cognitive science.

The kind of knowledge I will discuss is insights in art and science that have led to dramatic breakthroughs such as Einstein's theory of relativity and Picasso's development of Cubism. To explore this I use correspondence, manuscripts, drafts and whatever else is available from artists and scientists as data for cognitive scientific theories such as Jean Piaget's genetic epistemology, gestalt psychology, concepts from cognitive science which include long term and short term memory, metaphors and visual imagery, and the concepts of 'beauty' and 'aesthetics'. I have combined elements of these theories into what I call the 'Network Model of Thinking'. I will also venture into Carl Jung's analysis of dreams.

Art & Science: One Culture, One Mind

3 May 2011

Categories: Past lectures

July 15, 2011

To be delivered at the **Europa – Socrates Comenius:**

SCIENCE & ART: SO DIFFERENT, SO SIMILAR

Santiago de Compostela

Spain

July 10-16, 2011

Creative Art, Creative Science: Their connections and what they tell us about the mind

28 February 2011

Categories: Past lectures

Tuesday, April 12, 2011, 6 – 7.00 pm

South Wing Garwood Lecture Theatre,
University College London,
Gower Street,
London WC1E 6BT

Abstract:

Artists and scientists alike seek out visual images of worlds both visible and invisible. They attempt to 'read' nature in very similar ways: artists make drawings as they work towards the finished canvas while scientists use mathematics as a tool to work towards a scientific theory. I will explore this fascinating realm of highly speculative thought and look into some fundamental questions: Are there similarities in the creative processes of artists and scientists? If so, what are they? And how can cognitive science help us understand the nature of creativity?

Stranger than fiction

29 December 2010

Categories: Past lectures

Jaipur Literature Festival

Monday 24th January

3:30pm.

<http://jaipurliteraturefestival.org/>

Stranger than fiction

Eric Haseltine and Arthur Miller on the edge of science and visions of the future. In conversation with Suhasini Haider.

Lecture tour India 2011

29 December 2010

Categories: Past lectures

Pune

Tuesday 11th January

Centre for Development of Advanced Computing(C-DAC, H.Q.), Pune University
Campus, Ganesh Khind, Pune

Einstein, Picasso: The Art of Science and the Science of Art

Wednesday 12th January

The Inter-University Centre for Astronomy & Astrophysics,
Pune.

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

Bangalore

Thursday 13th January

Indian Institute of Astrophysics,
Bangalore.

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

Friday 14th January

Indian Institute of Science,
Bangalore.

Einstein, Picasso: The Art of Science and the Science of Art

Kolkata

Monday 17th January

Indian Institute of Management
Diamond Harbour Road, Joka

Einstein, Picasso; The Art of Science and the Science of Art

Saha Institute of Nuclear Physics,

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

New Delhi

Tuesday 18th January

National Physical Laboratory

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

Wednesday 19th January

D.S. Kothari Lecture Hall,

Department of Physics & Astrophysics,

University of Delhi

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

Jaipur Literature Festival

Monday 24th January

3:30pm.

<http://jaipurliteraturefestival.org/>

Stranger than fiction

Eric Haseltine and Arthur Miller on the edge of science and visions of the future. In conversation with Suhasini Haider.

Einstein and Picasso: Creativity in Art, Creativity in Science – What are the Connections?

4 November 2010

Categories: Past lectures

March 29, 2011, 7.00pm

Iwasaki Koyata Memorial Hall

International House

Tokyo, Japan

Creative Art, Creative Science: their connections and what they tell us about the mind

4 November 2010

Categories: Past lectures

February 10, 2011, 4.15pm

Abstract: Artists and scientists alike seek out visual images of worlds both visible and invisible. They attempt to 'read' nature in very similar ways: artists make drawings as they work towards the finished canvas while scientists use mathematics as a tool to work towards a scientific theory. I will explore this fascinating realm of highly speculative thought and look into some fundamental questions: Are there similarities in the creative processes of artists and scientists? If so, what are they? And how can cognitive science help us understand the nature of creativity?

NeuroArts Conference

Roland Levinsky Building

University of Plymouth

Beyond Scientific Visualisation

3 September 2010

Categories: Past lectures

Panel Discussion:

Beyond Scientific Visualisation. Can collaborations between artists and scientists produce work capable of advancing scientific research?

October 7, 2010

7:00pm

Schering Stiftung

Under den Linden 32-34

10117 Berlin

Germany

[Click here to download full details](#)

Einstein, Picasso: Abstract Art, Abstract Science

29 June 2010

Categories: Past lectures

October 19, 2010

6:30pm

School for Visual Art

133/141 West 21 Street

Room 101C

New York, NY 10011

The Strange Friendship of Wolfgang Pauli and Carl Jung: When Physics Met Psychology

22 June 2010

Categories: Past lectures

October 5, 2010

7:00 – 8:30pm

Royal Institution

21 Albermale Street

London W1S 4BS

[Click here for further details](#)

At a key time in his scientific development, the physicist Wolfgang Pauli underwent analysis by Carl Jung. The encounters were inspiring for both men and sparked changes in their work. I will talk about Pauli and how his scientific discoveries were affected by Jung's analysis of his dreams.

At the time Jung was looking into alchemy, mysticism and the I Ching. A very different Pauli emerges, one at odds with esteemed colleagues such as Niels Bohr and Werner Heisenberg.

Einstein, Picasso: Abstract Art and Abstract Science

17 May 2010

Categories: Past lectures

December 13, 2010, 16:00

Physics Department

Room: Conversi

University of Rome (Sapienza)

Rome, Italy

Science and Art: Beauty and Creativity as a Common Endeavour

17 May 2010

Categories: Past lectures

December 11, 2010

Nairucu-arts Centre

Frascati, Italy

For further details please visit:

<http://www.frascatiscienza.it/pagine/lorigine-un-viaggio-tra-scienza-e-arte/>

Weaving the Universe: From Atoms to Stars (with Fiorella Lavado)

20 April 2010

Categories: Past lectures

9 September – 9 October, 2010

Art and Science Exhibition (with [Fiorella Lavado](#)):

Ernst Schering Foundation

Unter den Linden 32-34

10117 Berlin

Further details on the [British Council website](#)

[Click here to download the Invitation Card](#)

137: Carl Jung, Wolfgang Pauli and the pursuit of a scientific obsession

20 April 2010

Categories: Past lectures

November 26, 2010, 1.00 pm

Abstract: In 1932 an obsession with the numbers 3, 4 and 137 sparked a strange friendship between the physicist Wolfgang Pauli and the psychoanalyst Carl Jung – a unique meeting of minds. Which is the primal number that seems to hint at the origins of the universe?

The Royal Society

6-9 Carlton House Terrace

London SW1Y 5AG

The lecture is free but places are limited and advance booking is required – please contact Felicity Henderson on 020 7451 2597 or felicity.henderson@royalsociety.org.

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

20 April 2010

Categories: Past lectures

May 26, 2010

Niels Bohr Institute
Blegdamsvej 17
DK-2100 Copenhagen
Denmark

The Strange Friendship of Pauli and Jung

18 February 2010

Categories: Past lectures

How Physics brushed up against Alchemy, Mysticism and Psychology

At a key time in his scientific development, the physicist Wolfgang Pauli underwent analysis by Carl Jung. The encounters were inspiring for both men and sparked changes in their work. I will talk about Pauli and how his scientific discoveries were affected by Jung's analysis of his dreams. At the time Jung was looking into alchemy, mysticism and the I Ching. How did his encounters with Pauli affect his view of the world and the universe?

May 19, 2010, 7.00-9.00pm

The Scientific and Medical Network

Colet House

151 Talgarth Road, London W14 9DA (nearest tube station Barons Court on the Piccaddilly Line)

Book with the office by either emailing info@scimednet.org or calling 01608 652 000.

The cost for the evening is £12 for members of the SMN and £15 for non members.

[Click here to download information.](#)

137: Jung, Pauli, and the pursuit of a scientific obsession (with Sara Collins)

18 February 2010

Categories: Past lectures

May 14, 2010, 7.00-8.00pm

The Travel Bookshop
13 Blenheim Crescent
London W11 2EE
020 7229 5260

Abstract: *Jung, Pauli, and the pursuit of a scientific obsession*

At a key time in his scientific development, the famous physicist Wolfgang Pauli underwent analysis by the celebrated analytic psychologist Carl Jung. The two quickly expanded their conversations to include physics, psychoanalysis, ESP, UFOs, Jesus Christ, Yahweh, Armageddon, where science came from and what was missing in both science and psychology to provide an understanding of the world in which we live. Both made enormous breakthroughs in their fields. But in their many conversations, they went much farther. The author, Arthur I. Miller, will be in discussion with psychoanalyst Sara Collins about some of the areas in which Pauli and Jung found common ground between physics and psychoanalysis and the light that their discussions cast on questions of knowledge and belief. Theirs was truly a meeting of physics and psychology.

Einstein and Picasso: The art of science and the science of art

18 February 2010

Categories: Past lectures

April 30, 2010

Department of Physics

University of Bergen

Bergen, Norway

Weaving the Universe (with Fiorella Lavado)

18 February 2010

Categories: Past lectures

Weaving the Universe



Art exploring the grandeur and poetry of astronomical objects will be on display at the Royal Astronomical Society's apartments at Burlington House in February and March.

Weaving the Universe is a collaboration between artist Fiorella Lavado and scientist Arthur I Miller of University College London, to explore the representation of natural phenomena such as black holes in ways that go beyond mathematical models. The exhibition will be open from 12 February to 15 March.

<http://www.fiorellalavado.com>

<http://www.arthurimiller.com>

Weaving the Universe

(with [Fiorella Lavado](#))

A version will be presented on 4 March, 6.00-7.30pm at

Royal Astronomical Society
Burlington House

Picadilly
London W1J 0BQ

[Click here for further details on the Royal Astronomical Society website.](#)

Abstract: *Weaving the Universe*

Art: Fiorella Lavado

Science: Arthur I. Miller, University College London

Artists use mathematical models of black holes developed from data taken by space telescopes to give us some idea of what these mysterious objects actually look like. They have produced amazing images of objects which are impossible to perceive and enormously far away from us. But what has been missing are visual representations that evoke their frightening grandeur and the poetry behind them. Towards that goal artist Fiorella Lavado and scientist Arthur I. Miller have been working together, in an artist-scientist collaboration. Together we explore representations of nature that go beyond scientific visualisations.

Weaving the Universe (with Fiorella Lavado)

3 December 2009

Categories: Past lectures

Weaving the Universe



Art exploring the grandeur and poetry of astronomical objects will be on display at the Royal Astronomical Society's apartments at Burlington House in February and March.

Weaving the Universe is a collaboration between artist Fiorella Lavado and scientist Arthur I Miller of University College London, to explore the representation of natural phenomena such as black holes in ways that go beyond mathematical models. The exhibition will be open from 12 February to 15 March.

<http://www.fiorellalavado.com>

<http://www.arthurimiller.com>

Weaving the Universe

(with [Fiorella Lavado](#))

February 12, 2010

Royal Astronomical Society
Burlington House

Picadilly
London W1J 0BQ

[Click here for further details on the Royal Astronomical Society website.](#)

Abstract: *Weaving the Universe*

Art: Fiorella Lavado

Science: Arthur I. Miller, University College London

Artists use mathematical models of black holes developed from data taken by space telescopes to give us some idea of what these mysterious objects actually look like. They have produced amazing images of objects which are impossible to perceive and enormously far away from us. But what has been missing are visual representations that evoke their frightening grandeur and the poetry behind them. Towards that goal artist Fiorella Lavado and scientist Arthur I. Miller have been working together, in an artist-scientist collaboration. Together we explore representations of nature that go beyond scientific visualisations.

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

3 December 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

[\(Read Abstract\)](#)

Versions to be presented at:

December 7, 2009

Department of Physics

ETH

Zurich, Switzerland

December 10, 2009

Council Chamber

CERN

Geneva, Switzerland

Upcoming lectures by Arthur I Miller: November – December 2009

10 November 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

([Read Abstract](#))

Versions to be presented at:

December 7, 2009

Department of Physics

ETH

Zurich, Switzerland

December 10, 2009

Council Chamber

CERN

Geneva, Switzerland

The Strange Collaboration of Wolfgang Pauli and Carl Jung: When Physics Met Psychology

(with [Fiorella Lavado](#))

November 24, 2009

Crucible Alumni Day

NESTA

Ambassadors Hotel, Bloomsbury

London

Upcoming lectures by Arthur I Miller: June – November 2009

23 July 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

[\(Read Abstract\)](#)

Versions to be presented at:

June 29, 2009

Department of Physics
University of Oxford

Martin Wood Lecture Theatre
Clarendon Laboratory
Parks Road
Oxford OX1 3PU

(Public Lecture at 17.20)

September 9, 2009

Balkan Physical Union
Alexandroupolis, Greece

October 7, 2009

6.30-8.00pm

LSE Philosophical Forum

Forum for European Philosophy Room J5
European Institute
London School of Economics & Political Science
Houghton Street
London WC2A 2AE

London School Of Economics
Wolfson Theatre, New Academic Building,
54 Lincoln's Inn Fields
London WC2A 3LJ

November 3, 2009

Max-Planck-Institut für Physik (Werner-Heisenberg-Institut)
Munich, Germany

Deciphering the Cosmic Number

June 17, 2009

The Science Museum's Dana Centre
165 Queen's Gate
South Kensington
London UK SW7 5HD

Contact: Call 020 7942 4040 or e-mail tickets@danacentre.org.uk

The Secret Life of a Dreamer: When Physics Met Psychology

([Read Abstract](#))

(with [Fiorella Lavado](#))

June 29, 2009

University of Oxford

Martin Wood Lecture Theatre
Clarendon Laboratory
Parks Road
Oxford
OX1 3PU

(Public Lecture at 14.30)

Art and the Scientific Imagination

August 15-16, 2009

Skyway Science and Art Talks
Awareness of the Sky/The Sky as Awareness
Skyway Light Festival Perseids '09
Torun, Poland

Into the Crucibles of Nature

September 30, 2009

Benaki Museum
Athens, Greece

September 30, 2009

Exhibition with **Fiorella Lavado**

([Read Announcement](#))

Benaki Museum
Athens, Greece

Upcoming lectures by Arthur I Miller: June – October 2009

6 June 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

[\(Read Abstract\)](#)

Versions to be presented at:

June 29, 2009

Department of Physics
University of Oxford

Martin Wood Lecture Theatre
Clarendon Laboratory
Parks Road
Oxford OX1 3PU

(Public Lecture at 17.20)

September 9, 2009

Balkan Physical Union
Alexandroupolis, Greece

October 7, 2009

6.30-8.00pm

LSE Philosophical Forum

Forum for European Philosophy Room J5
European Institute
London School of Economics & Political Science
Houghton Street
London WC2A 2AE

Deciphering the Cosmic Number

June 17, 2009

The Science Museum's Dana Centre
165 Queen's Gate
South Kensington
London UK SW7 5HD

Contact: Call 020 7942 4040 or e-mail tickets@danacentre.org.uk

The Secret Life of a Dreamer: When Physics Met Psychology

([Read Abstract](#))

(with [Fiorella Lavado](#))

June 29, 2009

University of Oxford

Martin Wood Lecture Theatre
Clarendon Laboratory
Parks Road
Oxford
OX1 3PU

(Public Lecture at 14.30)

Into the Crucibles of Nature

September 30, 2009

Benaki Museum
Athens, Greece

September 30, 2009

Exhibition with **Fiorella Lavado**

([Read Abstract](#))

Benaki Museum
Athens, Greece

Upcoming lectures by Arthur I Miller: June – September 2009

24 May 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology – ([Read Abstract](#))

Versions to be presented at:

June 29, 2009

Department of Physics
University of Oxford

September 9, 2009

Balkan Physical Union
Alexandroupolis, Greece

Deciphering the Cosmic Number

June 17, 2009

The Science Museum's Dana Centre
London

The Secret Life of a Dreamer: When Physics Met Psychology – ([Read Abstract](#))

(with [Fiorella Lavado](#))

June 29, 2009

University of Oxford

Updated upcoming lectures by Arthur I Miller in 2009

14 May 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

Versions to be presented at:

June 30, 2009

Department of Physics
University of Oxford

September 9, 2009

Balkan Physical Union
Alexandroupolis, Greece

Deciphering the Cosmic Number

June 17, 2009

The Science Museum's Dana Centre
London

Upcoming lectures by Arthur I Miller in 2009

16 March 2009

Categories: Past lectures

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

Versions to be presented at:

April 30, 2009

Department of Physics
Yeshiva University
New York, NY, USA

May 6, 2009

Department of Physics
University of Texas, Austin, USA

September 9, 2009

Balkan Physical Union
Alexandroupolis, Greece

Deciphering the Cosmic Number

June 17, 2009

The Science Museum's Dana Centre
London

Upcoming lectures in 2009

12 February 2009

Categories: Past lectures

February 26, 2009

Einstein and Picasso: The art of science and the science of art

Cátedra Valle Inclán/Lauro Olmo
Ateneo de Madrid, Spain

March 7-9, 2009

Can We Unravel Creativity?

Keynote address at "Einstein and Picasso" – An Open Space Meeting

Dortmund, Germany

The Strange Friendship of Pauli and Jung: When Physics Met Psychology

Versions to be presented at:

April 30, 2009

Department of Physics
Yeshiva University
New York, NY, USA

May 6, 2009

Department of Physics
University of Texas, Austin, USA

September 9, 2009

Balkan Physical Union
Alexandroupolis, Greece

Upcoming lecture – December 2008

15 November 2008

Categories: Past lectures

December 3, 2008

Scientific Creativity: Science & Art

Natural History Museum, London

Upcoming lectures – November 2008

2 October 2008

Categories: Past lectures

November 4 – 7, 2008

Art, Science and the Creative Imagination

Keynote lecture at 2008 TIF International Forum

Yonsei University, Seoul, South Korea

November 19, 2008

What is it? What Does It Mean? Picasso's Mural at the Wellcome Collections

Wellcome Collections, London

November 30, 2008

How Einstein and Picasso Invented the 20th Century

Instituto Sangari, Sao Paulo, Brasil

Updated upcoming lectures in 2008 – autumn dates added

19 August 2008

Categories: Past lectures

August 30-September 6, 2008

Paul and Jung: Knowledge and Belief

Keynote lecture at Cortona 2008: *Belief versus Knowledge – Science and the Wholeness of Life*
Cortona, Italy

September 23, 2008

Einstein and Picasso: Secrets of Creativity

Rugby School, Warwickshire

September 26, 2008

Drawing and the Scientific Imagination: Visualising the Invisible

The Big Draw, University College London.

November 4 – 7, 2008

Art, Science and the Creative Imagination

Keynote lecture at 2008 TIF International Forum
Yonsei University, Seoul, South Korea

Updated upcoming lectures in 2008 – extra dates added

24 June 2008

Categories: Past lectures

May 13, 2008

What did Albert Einstein Learn from Henri Poincaré in 1905?

University of Aix en Provence, France.

August 30-September 6, 2008

Paul and Jung: Knowledge and Belief

Keynote lecture at Cortona 2008: *Belief versus Knowledge – Science and the Wholeness of Life*

Cortona, Italy

September 23, 2008

Einstein and Picasso: Secrets of Creativity

Rugby School, Warwickshire

September 26, 2008

Drawing and the Scientific Imagination: Visualising the Invisible

The Big Draw, University College London.

Updated upcoming lectures in 2008

12 April 2008

Categories: Past lectures

May 13, 2008

What did Albert Einstein Learn from Henri Poincaré in 1905?

University of Aix en Provence, France.

August 30-September 6, 2008

Paul and Jung: Knowledge and Belief

Keynote lecture at Cortona 2008: *Belief versus Knowledge – Science and the Wholeness of Life*

Cortona, Italy

September 26, 2008

Visualising Science: Drawing the Unseen

The Big Draw, University College London.

Upcoming lectures in 2008

25 February 2008

Categories: Past lectures

March 6, 2008

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

8 pm

[Old combination room](#)

Trinity College, University of Cambridge

[Further details](#)

March 20, 2008

Empire of the Stars: Friendship, Obsession and Betrayal in the Quest for Black Holes

Keynote lecture at the 12th Panhellenic conference of the Greek Physics Society, 20-23 March 2008, Kavala, Greece.

May 13, 2008

What did Albert Einstein Learn from Henri Poincare's book, Science and Hypothesis

University of Aix en Provence, France.

September 26, 2008

Visualising Science: Drawing the Unseen

The Big Draw, University College London.