

APPLICATION FOR UK NATIONAL HONOURS FOR PROFESSOR MYRON WYN EVANS, 2018

I would like to nominate Professor Myron Wyn Evans for UK National Honours. Professor Evans is the highest impact and most prolific living physicist. He has completed Einstein's life long quest and developed a theory (ECE Theory) that unifies the whole of physics. The theory reduces to all the well-known laws of physics and makes new and unexpected predictions that have important technological and industrial applications (some of which are being developed). In particular, the theory shows that a new source of unlimited, clean and renewable energy is available from "space" itself (more precisely, from "space-time" or the "vacuum" as physicists have termed it). Einstein postulated the existence of "vacuum" energy in a 1931 paper that remained unpublished and lost until recent times. Einstein suggested that new particles of matter must be continuously created by "energy from the vacuum". This has been confirmed by Evans – the "vacuum" has a rich and practically useful structure. Evans's new physics describes a universe without the need for big bang, black holes, dark matter, missing energy and the uncertainty principle etc. It refutes a large part of modern physics in a rigorous and self-consistent way replacing it with a deterministic and fully unified theory that properly explains observations (in line with the Baconian Principles that underlie the scientific method). A lot of modern physics has abandoned these principles and become lost in a fog of unrealistic hypotheses and unverifiable outcomes. Evans's physics implies a stationary universe devoid of singularities and other mathematical artefacts that have plagued and distorted physics sometimes making it abstract, imaginary and meaningless. Evans new physics is both simple and elegant. It addresses the misconceptions and flaws of the physics we have grown up with and provides the opportunity to move away from a "carbon based society" (one that has developed from the burning of fossil fuels) with its massive polluting capacity. The availability of vast amounts of traditional, but finite, carbon (and more recently nuclear) energy has driven economic and human development at an astonishing rate since the start of the industrial revolution. The pollution it creates, however, is damaging, unsustainable and has upset fine balances that have existed in nature over the ages. Evans's new physics opens up the possibility of a new technological era (and a second Industrial Revolution) built around a non-polluting and limitless source of clean energy.

Professor Evans is already a British Civil List Pensioner appointed by the Queen following recommendations from the Royal Society and Parliament and the then Prime Minister Tony Blair. Professor Myron Wyn Evans deserves the highest accolades and national honours for his landmark and unique discoveries and for providing the opportunity for mankind to forge a better future for the benefit of all – one that is shared more widely, is less destructive and allows everyone to live in greater harmony with nature.

INTRODUCTION AND BACKGROUND

Natural philosophy is the attempt to understand and mimic nature. It has developed from ancient times driven forward by great philosophers like Galileo, Newton and Einstein etc. Progress has sometimes been slow, sometimes it has stalled, but periodically a great leap forward is made (a paradigm shift as it is called). The work of the great British Scientist Isaac Newton was such a landmark. He made three great discoveries in the field of optics, mathematics (calculus) and gravity. His book “Philosophiæ Naturalis Principia Mathematica” in 1687 marked an epoch of a great revolution in science when rigorous mathematics was introduced into science for the first time. This approach took science out of “the darkness of conjecture and hypothesis” (Alexis Clairaut, 1747) with rigorous mathematics henceforth used to develop scientific theories that could be tested with observations. This was the approach advocated by Sir Francis Bacon in his book “Novum Organum” published in 1620. Bacon, another English Natural Philosopher, Attorney General and Lord Chancellor, is still regarded as father of the scientific method (empiricism). He advocated that theories HAD TO be tested against observations. The power of his approach was put to good use in the scientific revolution that followed when science was used to develop technologies and lay the foundations for the world we now live in. A great advance in science had occurred that dominated physics until the 20th century when the next, modern era in physics was born.

The next great step came in 1905 when Albert Einstein developed Special Relativity. It demonstrated, amongst other things, that the speed of light is the limiting speed of all matter with mass and that mass and energy are equivalent. In 1911, Einstein asserted the equivalence of gravitation and inertia and in 1916 he developed a general theory of relativity that included gravitation as a determiner of the curvature of a space-time continuum. Einstein is also remembered for his contributions to the development of quantum theory and for postulating light quanta (photons) in 1905 - upon which he based his explanation of the photoelectric effect. For this work he received the Nobel Prize. His overriding aim, however, was to develop a **Unified Field Theory** – a theory that would explain gravitation, electromagnetism and sub-atomic phenomena using one set of laws (that is, one theory that successfully explained microscopic and macroscopic behaviour).

Einstein wanted his **Unified Field Theory** to be as simple as possible - with a beauty and structure to suitably reflect nature. He did not believe that such a theory could exist in quantum theory. In fact, Einstein regarded quantum theory as “a temporary useful structure”. His great efforts were in vain and a successful development of a **Unified Field** theory eluded him.

The science that followed Einstein contained theories that spanned all of known physics - collectively known as the Standard Model. Out of this understanding the modern world has progressed with great advances in information technologies and communications (with radio, televisions, smart phones and the internet opening up the world) and in the biological sciences and medicine significantly increasing life expectancy etc. We now explore our world at the microscopic and macroscopic levels in ever increasing detail and can see the smallest of matter whilst continuing

to discover more about our universe – more new planets have been identified in recent times than in the entire previous history of the human exploration of space.

Surprisingly, however, many of the technologies and industries still in use have their roots in the hay days of the industrial revolution. Progress has stalled in some branches of physics with ideas often lost in mathematical abstraction and in a new world of “darkness of conjecture and hypothesis” where theories cannot be proven. The Standard Model of Physics suggests that we live in a world of singularities, containing dark matter (that cannot be found), missing mass and god particles (that cannot be detected), black holes (that cannot be seen) and wormholes (with their associated risks of sudden collapse, high radiation and exotic matter) etc.

In our real world we still burn fossil fuels that pollute and poison the planet and use up vital natural resources often in wasteful ways. The Standard Model of physics has not been successful in developing new sources of clean and renewable energy in the quantities required to sustain an advanced society with continuously raised expectations. Conventional renewable sources of energy, and nuclear energy, leave their own undesirable “carbon footprint” and may not be able to meet future demands across all sectors (industrial, domestic, transport etc). Many technologies have not advanced significantly since their times of inception and are still sometimes based on early solid state physics. We remain far away from the aspirations of generations of natural philosophers to mimic nature and life processes that tend to operate in a liquid, and not solid state, environment.

THE NEXT PARADIGM SHIFT - A NEW ERA IN PHYSICS, A SECOND INDUSTRIAL REVOLUTION AND THE NOMINATION OF PROFESSOR MYRON WYN EVANS FOR NATIONAL HONOURS

Recently, however, the next great leap forward in our understanding of physical processes has been made. This is based on a new physics that has been stripped back to its basics. It has been used to thoroughly check accepted concepts and theories and completes the task Einstein had set himself. It builds on his work but corrects misconceptions, omissions and flaws. It is named in part after Einstein (in recognition of his contributions), in part after Elie Cartan (a mathematician whose geometry is used in the theory) and in part after the pioneering scientist, Myron Wyn Evans, who has developed the theory (ECE Theory). The theory unifies all of physics (classical and quantum) for the first time - from microscopic to macroscopic levels. All the well-known laws of physics are reproduced with ONE theory and much more that was unknown predicted. The motion of planets and galaxies are explained with the same sets of equations as is the motion and interactions of sub-atomic particles – orbits (referring to planets) and orbitals (referring to electrons) become one and the same. There is no need for singularities in this theory (so the postulates of big bang and black holes are not necessary), paradoxes that have plagued physics disappear (such as indeterminacy and wave particle duality), it demonstrates that photons have mass (leading to a new description of some of the properties of light itself), that space-time (or the vacuum as Einstein termed it) itself has mass with vacuum particles and much more emerging (so that there is no missing mass in the universe and no need for dark matter).

This theory is a great leap, the next paradigm shift in physics. It is simple and devoid of mathematical abstraction. It demonstrates that there is no uncertainty in physics. Physics is deterministic. Physics is geometry.

ECE theory has been meticulously developed, covering all the branches of physics, with key equations, important steps and new and unexpected conclusions carefully checked with computer algebra. This is an approach to theoretical physics that has no precedent in history – reducing the risk of human error and painstakingly cross-checking details. This approach extends Baconian principles introducing multiple cross checks using computer algebra and, like Newton's contribution, is set to become an historical landmark, the next exemplar of best practice in science.

Following traditional Baconian principles, all aspects of the new theory have been compared and tested with experiment. There are no unknowns and adjustable parameters in this theory that successfully reproduces all the classic and most challenging observations of physics (including many that the Standard Model fails to explain). It makes new predictions and opens up the possibility of new branches of physics. It suggests, now confirmed with exact agreement between theory and experiment the availability of virtually unlimited and clean [Energy from Space-Time](#) (click to follow link). Devices that can extract this energy are now being manufactured [ET3M](#) (click to follow link) and new pilot "Energy from Spacetime" industrial size Plants are being built. Low energy nuclear reactions (LENR) are explained and are set to become another source of clean energy (also to replace the use of fossil fuels). Light (electro-magnetic radiation) is shown to have new and unexpected properties (that may improve its use in communications and have wider applications). Light ALWAYS shifts to the red when it interacts with matter. This is a phenomenon that is used in nature itself, in photosynthesis to improve the efficient use of sunlight making more energy available at the frequency where photosynthesis takes place. This red-shift phenomenon (blue shifts are also possible) explains the cosmological redshift in a new way implying that there is no expanding universe (and no need for big bang). Light is red-shifted by absorption in the voids (in the "vacuum") of space itself.

The internet has opened up the world of scientific research and there is unprecedented interest in ECE theory. The website [AIAS](#) (click to follow link - where the theory is explained and developed) has been visited many millions of times since the inception of ECE theory making it one of the most visited scientific websites on the internet. This is remarkable world-wide interest in a theory of physics.

ECE theory is the next great revolution in science. The applications, technologies and industries that follow can open up the next industrial revolution – one built on clean energy and technologies that will not pollute and harm the planet.

Professor Myron Wyn Evans's work marks another epoch of a great revolution in science with rigorous mathematics, carefully checked with computer algebra, used in a methodical and structured way to develop the first ***unified theory of physics (the first "Theory of Everything")***. Myron Evans now ranks with the greatest scientists and Natural Philosophers in history.

Our planet is threatened by over exploitation, the availability of resources and the widespread pollution of the air we breathe, the water we drink and the land we grow our food in. Professor Myron Evans's work provides the opportunity to develop a cleaner, more modern and sophisticated society that leaves less of a footprint on the planet we live on. More recognition by Governments may help to speed up and spread the benefits of his work - the development of the new energy sources, new modes of transport, new technologies and state-of-the-art industries.

I, and colleagues from around the world, strongly recommend Myron Wyn Evans for National UK Honours (some examples of letters of support are attached).

Dr Gareth John Evans

(Gareth John Evans - Co-President AIAS, once University of Wales Fellow and British Science and Engineering Advanced Fellow)

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