



PROCLAMATION OF 2015 AS THE UNITED NATIONS INTERNATIONAL YEAR OF LIGHT

- “ 1) Light plays a central role in human activities. ...Light is at the origin of life itself, and the many applications of light have revolutionized society through medicine, communications, entertainment, art and culture....
- 2) As physics of light becomes a key cross-cutting discipline of science and engineering in the twenty-first century, it is essential that the importance of the scientific study of the physics of light and the application of light-based technologies for global sustainable development is appreciated by everyone....
- 3) The year 2015 commemorates a remarkable series of important milestones in the history of the physics of light dating back 1,000, 200, 150, 100 and 50 years....
- 4) An International Year of Light will offer to UNESCO a novel and important opportunity to fulfill its mission of promoting international cooperation in science, technology and engineering for sustainable development, as well as in science education and capacity-building....”

UNESCO GENERAL ASSEMBLY
Paris, 13 August 2013



FIAT LUX

(LET THERE BE LIGHT)

International Scientific-Theological Conference



Roma: June 3-5, 2015

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INTRODUCTION

In the common language *light* means *knowledge*: "I had a lightning"! In nature, light has a larger dimension, regrouping together three main functionalities: *light* means *energy*, *light* means *information*, *light* means also *time rhythm*. All of them are somehow different expressions of "knowledge": getting information and communicate means in fact to know the surrounding, acquire energy from such knowledge and start associated actions.

Physics and metaphysics have always analysed the surrounding nature from points of view which might be different but never opposite. FIAT LUX wants to be the place where scientists philosophers and theologians will get together to discuss on the same topics, trying to find similar languages and common understanding.

TOPICS

<p>LIGHT, SPACE AND TIME</p>	<p>Superluminality nonlinear dynamics and chaos Optical localisation Light and relativity Quantum optics & entanglement states</p>	<p>The man and the vision of the universe Localisation and Delocalisation Causality & Fortuity Contemporaneity and Coincidence</p>
<p>LIGHT AS KNOWLEDGE, COMMUNICATION & ARTS</p>	<p>Light and colours – a physics for human sensations Optical communication protocols and Networks Imaging systems and light-matter interaction</p>	<p>The triangular representation of LOVE Sensations are experiences of the surrounding world Light as knowledge</p>
<p>LIGHT & LIFE</p>	<p>Bio-photons Biomorphism and optical natural bio-structures Photo-induced biochemical processes Light & evolution</p>	<p>Life and light What is the nature and how life interacts with it Neurophotonics</p>

LIGHT IN THE ARTS

Important dates	
November 01, 2014	1° Conference Announcement
January 30, 2015	Submission deadline
February 28, 2015	Paper Acceptation
March-April, 2015	Advanced Hotel Reservation deadline
June 3-5, 2015	FIAT-LUX Conference

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Michelangelo – *The creation of light*
Roma: Sistine Chapel in the Vatican Museums