

INTERNATIONAL SCIENTIFIC-THEOLOGICAL CONFERENCE

FIAT LUX

Let there be Light

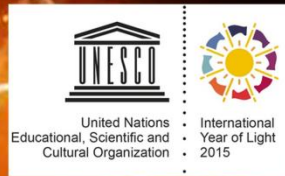
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ROME: JUNE 3-5, 2015

First Day — Wednesday JUNE 3, 2015

Pontifical Athenaeum *Regina Apostolorum* – Via degli Aldobrandeschi 190, 00163 Rome, Italy

- 8.30-9.10 REGISTRATION
- 9.10-9.30 WELCOME & CONFERENCE PRESENTATION
- 9.30-10.00 STEPHAN WALTER HELL, *Light Microscopy: the Resolution Revolution*
- 10.00-10.30 EVANDRO AGAZZI, *Light, Intellect and Truth in the Tradition of Western Philosophy*
- 10.30-10.50 COFFEE BREAK
- 10.50-11.20 SUNE SVANBERG, *Science and Technology to Shape a Better World*
- 11.20-11.50 FORTUNATO TITO ARECCHI, *Fiat Lux versus Fiat Lumen*
- 11.50-12.10 PAOLO BIANCHINI, *Light Nanoscopy: a Glimpse into the Future*
- 12.10-12.30 MAURIZIO MAIONE, *Luce, Visione e "Way of ideas"*
- 12.30-12.50 FRANÇOIS-MARIE LÉTHEL OCD, *Light in the Christian Mystical, Theological and Philosophical Tradition*
- 12.50-13.10 LOURDES VELÁZQUEZ, *Light as a Pervasive Concept in Ancient Mexican Cultures*
- 13.10-14.30 LUNCH
- 14.30-15.00 RICCARDO POZZO, *Light and Cultural Heritage*
- 15.00-15.20 CONSTANTIN MEIS, *Light and Vacuum*
- 15.20-15.40 MAURIZIO MOSCONE, *Metafisica – Scienza - Teologia: tre gradi del sapere*
- 15.40-16.00 CARLOS PUENTE, *From Dissipation to Conduction and from Darkness to Light*
- 16.00-16.20 MARIA BONDANI, *Statistical Properties of Nontrivial States of Light*
- 16.20-16.50 COFFEE BREAK
- 16.50-17.10 SPERELLO DI SEREGO ALIGHIERI, *Photons, the Essential Tool of Astronomers*
- 17.10-17.30 GABRIELE GIONTI SJ, *A String Theory Based F(R)-Gravity with Duality Transformations*
- 17.30-17.50 FRANCESCO BERRILLI, *The Earth Light Source: the Sun A project Idea for High School Students*
- 17.50-18.30 TARAN SINGH'S MOVIE, *Charles Townes - A Life for Lasers*



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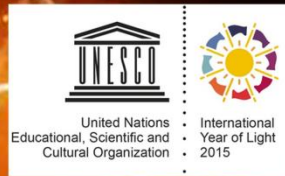
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ROME: JUNE 3-5, 2015

Second Day — Thursday JUNE 4, 2015

Pontifical Athenaeum *Regina Apostolorum* – Via degli Aldobrandeschi 190, 00163 Rome, Italy

- 8.30-9.00 REGISTRATION
- 9.00-9.30 PEDRO BARRAJÓN LC, *The Theology of Light in the Augustinian Tradition*
- 9.30-10.00 ION MIHAILESCU, *Soft Laser Light as Tweezers for Protected Transfer of Organic/Biologic Objects*
- 10.00-10.20 ANTONELLO CUTOLO, *A New Relation between Maxwell Equations and the Superluminal Relativistic Limit*
- 10.20-10.40 COFFEE BREAK
- 10.40-11.10 ADA YONATH, *Light at the End of the Ribosome Tunnel*
- 11.10-11.40 ALBERT RUGGI, *Per Aspera ad Astra: Towards Artificial Photosynthesis*
- 11.40-12.10 MARCO BERSANELLI, *The First Light in the Universe*
- 12.10-12.30 EUGENIO FAZIO, *Biomorphic Optical Functions*
- 12.30-12.50 CLAUDIO TUNIZ, *Light on our Origins*
- 12.50-13.10 MARIO MEDUGNO, *Coherent Symmetric Light Interferometer for Electromagnetic field sensing*
- 13.10-14.10 LUNCH
- 14.10-14.40 DERMOT MORAN, *Light Metaphysics and Light as Metaphor in Christian Mystical Thought*
- 14.40-15.10 CLAUDIO OLEARI, *Light and Colours – a Physics for Human Sensations*
- 15.10-15.40 MICHAEL BERRY, *Optica Fantastica: Nature's Optics and our Understanding of Light*
- 15.40-16.00 PAOLO DI LAZZARO, *A Ray Of Light On The Shroud*
- 16.00-16.20 PARAMU VIVEKANANDAN, *Light and Life - Vistas of the Awakening Light of Religion*
- 16.20-16.40 COFFEE BREAK
- 16.40-17.00 THOMAS FUHRMANN, *Eternal Light as the Connection between Religions and Near Death Experiences*
- 17.00-17.20 GIUSEPPE MAINO, *Light and Color between Art and Science*
- 17.20-17.40 GIUSEPPE FARINI, *Subjective Preferences in Lighting for Paintings Using New Lamp Sources*
- 17.40-18.00 RODOLFO PAPA, *La Nascita della "Prospettiva" dall'Incontro tra Ottica e Cristianesimo*
- 18.00-18.30 POSTER AND ARTISTIC SESSIONS
- 18.30-19.00 SILVAN – MAGIC PRESENTATION, *The Magic of Light*



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ROME: JUNE 3-5, 2015

Third Day — Friday JUNE 5, 2015

Sapienza Università Faculty of Engineering — San Pietro in Vincoli
Via Eudossiana 18, 00184 Rome, Italy

- 8.30-9.00 REGISTRATION
- 9.00-9.20 GABRIELLA CINCOTTI, *Time Frequency Optical Multiplexing, or in Between?*
- 9.20-9.40 FRANCESCO MATERA, *All Optical Access Platform for Fiber to the Home Networks*
- 9.40-10.10 VINT CERF, *Illuminating our Understanding of the Internet*
- 10.10-10.40 FAUSTO ELISEI, *The Light and the Molecules: Effects and Applications*
- 10.40-11.00 COFFEE BREAK
- 11.00-11.30 ALBERTO DIASPRO, *Look How Beautiful it is Shining Light at the Nanoscale*
- 11.30-12.00 JOSEPH ZYSS, *Games of Light with Molecules, Meta-Molecules and Billiards: Symmetry, Shape, Geodesics and Scale*
- 12.00-12.20 GIORGIO FABRETTI, *The Cognition of Invisible Light. The Adventure of Complexity*
- 12.20-12.40 NIKOLAY I. ZHELUDEV, *The Metamaterial Paradigm: Optical Properties on Demand*
- 12.40-13.00 CONCITA SIBILIA, *Chirality: Optical Properties from Natural vs Artificial Materials*
- 13.00-13.20 FRANCESCO MICHELOTTI, *Direct Optical Detection of Tumor Angiogenesis Biomarkers*
- 16.00-18.00 VISIT OF THE VATICAN MUSEUMS
- 19.00-22.00 SOCIAL DINNER "LES ETOILES ROOF GARDEN"