



STOQ'05 – THE STOQ INTERNATIONAL CONFERENCE ON

«INFINITY IN SCIENCE, PHILOSOPHY, AND THEOLOGY»

November 9-11, 2005

Pontifical Lateran University

Vatican City

Conference Chairman

CARD. PAUL POUPARD

President of the Pontifical Council for Culture

President of the STOQ Project

FINAL PROGRAM

Wednesday, November 9th

Mercoledì 9 Novembre

Room/Aula: Pio XI

09:00	MORNING SESSION BISHOP RINO FISICHELLA, Rector of the PUL, <i>Welcome Address</i> <i>Indirizzo di saluto</i>
09:30	CARD. PAUL POUPARD, <i>Introductory Speech</i> <i>Relazione Introduttiva</i>
10:00	VINCENZO CAPPELLETTI, President of the Italian Encyclopedia, <i>Historical Introduction</i> <i>Introduzione Storica</i>
10:45	Discussion /Discussione
11:00	Coffee Break/Pausa Caffè
SECTION A: Infinity in Physics and Cosmology SEZIONE A: L'infinito in Fisica e Cosmologia <i>Chairman/Presiede: RODOLFO GUZZI, ASI, Italian Space Agency</i>	
11:30	JOSEPH SILK, Oxford University, UK. <i>Is the Universe Finite?</i> <i>L'universo è finito?</i>

12:15	Discussion /Discussione
12:30	Lunch break/Pausa Pranzo
	AFTERNOON SESSION
15:00	JUAN MALDACENA, IAS-Institute for Advanced Study, Princeton, USA. <i>Infinity as Simplification</i> <i>L'infinito come semplificazione</i>
15:45	Discussion /Discussione
16:00	Coffee Break/Pausa Caffè
16:15	GEORGE V. COYNE, Director of the Vatican Observatory, Vatican. <i>The Measurements of the Universe Age and their Significance</i> <i>Misure dell'età dell'universo e loro significato</i>
17:00	Discussion /Discussione
17:15	Panel Session/Tavola Rotonda
18:00	Section End/Fine della Sessione

Thursday, November 10th
Giovedì 10 Novembre
Room/Aula: Pio XI

SECTION B: Infinity in Mathematics and Logic SEZIONE B: L'Infinito in Matematica e Logica <i>Chairman/Presiede: GOERGE V. COYNE, Vatican Observatory.</i>	
	MORNING SESSION
09:00	ENRICO BOMBIERI, IAS-Institute for Advanced Study, Princeton, USA. The Mathematical Infinity: How It Has Shaped Today's Mathematics. <i>L'infinito matematico: come ha plasmato la matematica odierna</i>
09:45	Discussion /Discussione
10:00	EDWARD NELSON, Princeton University, USA. Completed vs. Incomplete Infinity in Arithmetic
10:45	<i>Infinito completato vs. incompleto in aritmetica</i>
11:00	Discussion /Discussione
11:15	Coffee Break/Pausa Caffè
SECTION C: Infinity in Ontology and Mind Philosophy SEZIONE C: L'infinito in ontologia e nella filosofia della mente <i>Chairman/Presiede: BISHOP MARCELO SANCHEZ SORONDO, Chancellor of the Pontifical Academy of Sciences</i>	
11:30	NINO B. COCCHIARELLA, Indiana University, USA. <i>Infinity in Ontology and Mind</i> <i>L'infinito in ontologia e nella mente</i>
12:15	Discussion /Discussione
12:30	Lunch Break/Pausa Pranzo
	AFTERNOON SESSION
15:00	FRANZ KUTSCHERA, University of Regensburg, Germany. <i>Dimensions of the Mental.</i> <i>Dimensioni del Mentale</i>
15:45	Discussion /Discussione
16:00	DOMINIQUE LAMBERT, Université Notre Dame de la Paix, Belgique. <i>Scientific and philosophical meaning of infinity in theoretical biology</i>

16:45	<i>Significato scientifico e filosofico dell'infinito nella biologia teoretica</i> Discussion /Discussione
17:00	Coffee Break/Pausa Caffè
17:15	SERGIO GALVAN, Catholic University of Milan, Italy. <i>Theory Incompleteness and Intending of Abstract Non-finitary Concepts</i> <i>Incompletezza delle teorie e comprensione dei concetti astratti non-finitari</i>
18:00	Discussion /Discussione
18:15	Panel Session
18:45	Section End/Fine della Sessione

Friday, November 11th
Venerdì 11 Novembre
Room/Aula: Pio XI

SECTION D: God's Infinity in the Different Theological Traditions SEZIONE D: L'infinità di Dio nelle Diverse Tradizioni Teologiche <i>Chairman/Presiede:</i> IGNAZIO SANNA, Lateran University, Vatican.	
	MORNING SESSION
09:00	BISHOP JÓZEF M. ZYCINSKI, Archbishop of Lublin, Poland. <i>Infinity, Contingency, and God: Between Cosmology and Theology.</i> <i>Infinito, contingenza e Dio: fra cosmologia e teologia.</i>
09:45	Discussion /Discussione
10:00	RABBI ADIN STEINSALTZ, Center for the Study of Science and Religion at Columbia, <i>Title to be communicated</i>
10:45	Discussion /Discussione
11:00	Coffee Break/Pausa Caffè
11:30	ROBERT J. RUSSELL, CTNS Berkeley, USA. <i>The God Who Infinitely Transcends Infinity</i> <i>Il Dio che trascende infinitamente l'infinito</i>
12:15	Discussion /Discussione
12:30	Lunch Break/Pausa Pranzo
	AFTERNOON SESSION
15:00	CARD. GEORGE COTTIER, Theologian of the Pontifical House, Vatican. <i>God's Infinity in St. Thomas Aquinas</i> <i>L'infinità di Dio in S. Tommaso d'Aquino</i>
15:45	Discussion /Discussione
16:00	Panel Session
17:00	Conference End/Fine del Congresso

Day Schedule

Each Section will be divided into a **Morning** and an **Afternoon Session**, with a **Final Discussion Panel** between the public and all the speakers of each day.