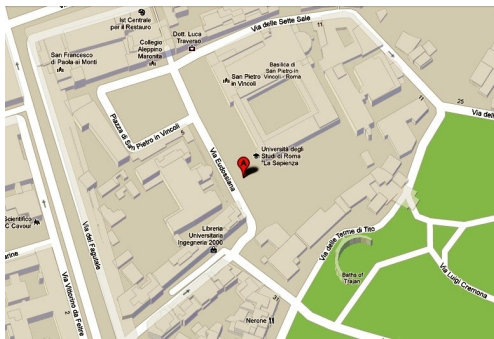


XXXII SISFA 2012

Welcome to the XXXII International Congress of *The Italian Society of Historians of Physics and Astronomy (SISFA)* which is being held in Roma in collaboration with the *Research Centre For Theory and History of Science (RCTHS)* and *Faculty of Engineering, University of Roma La Sapienza*.

The general aim of the XXXII SISFA Congress is to analyse historical problems related to the use of physics, mathematics and geometry in applied sciences. These topics are covered by a series of invited speakers. The main question is: *When and why the tension between mathematics, physics, astronomy, gave rise to a new scientific discipline, the modern engineering?*
Special sessions: Physics Lecture on Higgs Boson, Concert for Two Violins, Distinguished “General Faraday” Lecture.



Google Map - SISFA 2012 Congress Venue



Graphic: RP



Scientific Committee

- Enrico Giannetto (Italy)
- Paolo Brenni (Italy)
- Danilo Capecchi (Italy)
- Salvo D'Agostino (Italy)
- Lucio Fregonese (Italy)
- Leonardo Gariboldi (Italy)
- Roberto Mantovani (Italy)
- Raffaele Pisano (France/Czech Republic)
- Arcangelo Rossi (Italy)

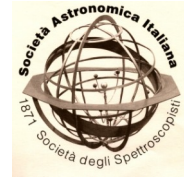
Organizing Committee

- Danilo Capecchi (Italy)
- Raffaele Pisano (France/Czech Republic)
- Giovanni Battimelli (Italy)
- Marco Ceccarelli (Italy)
- Antonio Di Meo (Italy)
- Salvatore Esposito (Italy)
- Ludmila Dostálová (Czech Republic)
- Anna Lukešová (Czech Republic)
- Flavia Marcacci (Italy)
- Massimo Mazzoni (Italy)
- Giuseppe Ruta (Italy)

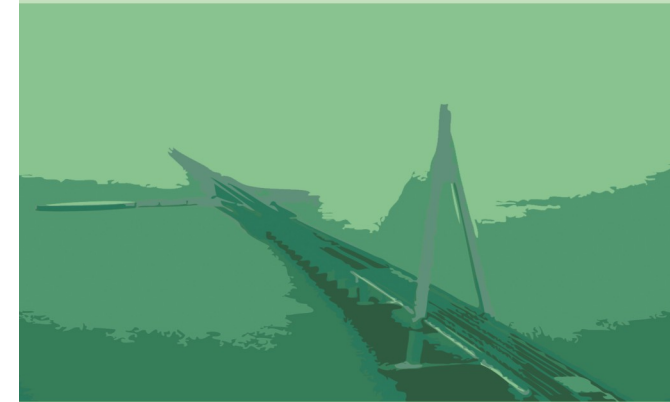
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DIPARTIMENTO DI INGEGNERIA STRUTTURALE E GEOTECNICA



XXXII CONGRESS OF THE ITALIAN SOCIETY OF HISTORIANS OF PHYSICS AND ASTRONOMY



PHYSICS, ASTRONOMY AND ENGINEERING



27-28-29 September 2012
Faculty of Engineering
University of Roma La Sapienza
Via Eudossiana, 18
Roma



am	Thursday 27, 2012
8.30-daily	 <i>Welcome Congress (Anna Lukešová) & helpdesk reception</i>
9.00-9.25	<i>Opening Act</i> Sala del Chiostro room
	Chairs: Danilo CAPECCHI & Raffaele PISANO Fabrizio VESTRONI , Dean of the Faculty of Engineering La Sapienza 
9.30-10.15	Plenary Speaker: Jean DHOMBRES (F) <i>Conflicting issues for mathematics at the Ecole polytechnique during its first forty years of existence: the role of Lazare Carnot between Monge and Laplace</i> Chair: Raffaele Pisano Ruta (F/Cz)
10.30-10.40	<i>Coffee break</i>
10.45-11.30	Plenary Speaker: Walter NOLL (U.S.A.) <i>Physics and Mathematics without Coordinates</i> Chair: Giuseppe Ruta (I)
11.45-12.15	Invited Guest Physics Lecture on Higgs Boson: Aleandro NISATI (I/CH) <i>Search of the Higgs boson at the Large Hadron Collider</i> Chair: Salvo D'Agostino (I)
12.30-1.00	Invited Talk: Agamenon R. OLIVEIRA (Br) <i>The Role of the Concept of Work in the Development of Applied Mechanics</i> Chair: Marco Ceccarelli (I)
1.00-1.45	<i>Lunch break</i>
pm	Invited Talk: Mauro FRANCAVIGLIA (I) <i>"Palatini's Method" Offers a New View to Non-Euclidean</i> Sala del Chiostro room
2.00-5.05	<i>Geometry</i> Chair: Flavia Marcacci (I) 7 Contributes Sessions
5.05-5.15	<i>Coffee break</i>
	Two Parallel Contributes Sessions
5.15-7.45	Invited Talk and Chair: Salvatore ESPOSITO (I) <i>Spreading Scientific Philosophies with Instruments: The Case of Atwood's Machine</i> Sala del Chiostro room
	5 Contributes Sessions
5.15-7.45	Invited Talk and Chair: Steffen DUCHEYNE (Be) <i>Reassessing W. J.'s Gravesande's appropriation of Newton's methodology</i> Sala degli Affreschi room
	6 Contributes Sessions
	Special Event: Concert & Evening Plenary
8.30	Claudio BUCCARELLA & Giulia CAPECCHI (I) <i>(Conservatory St. Cecilia, Roma): Concert for Two Violins</i>
9.00	"General Faraday Lecture": Frank A.J.L. James (U.K.) <i>Closing Thursday session</i>

Plenary: 45' Invite Talk: 30' Contributes: 20'

am	Friday 28, 2012
8.30-daily	 <i>Welcome Congress (Anna Lukešová) & helpdesk reception</i>
8.30-9.15	Plenary Speaker: Radim KOČANDRLE (Cz) <i>The Earth Floats Unsupported in Space</i> Plenary room 1
	Chair: Ludmila Dostálová (Czech Republic)
9.30-10.15	Plenary Speaker: Marco CECCARELLI (I) <i>An Outline of History of Mechanism Design in Servicing Science</i> Chair: Danilo Capecchi (Italy)
10.30-10.40	<i>Coffee break</i>
10.45-12.55	Invited Talk and Chair: Young S. KIM (U.S.A.) <i>Historical Approach to Physics according to Kant, Einstein, and Hegel</i> 6 Contributes Sessions
1.00-1.45	<i>Lunch break</i>
1.46-1.59	<i>Photo SISFA 2012 Session Chiostro</i> 
pm	Two Parallel Contributes Sessions
2.00-4.25	Invited Talk and Chair: Liliana ALFONSI (F) <i>A turning point in French officers training: Mechanics in the mathematics course of Étienne Bézout (1730–1783)</i> Sala degli Affreschi room
	5 Contributes Sessions
2.00-4.25	Invited Talk: Daniel ŠPELDA (Cz) <i>Early modern histories of astronomy: On searching for antediluvian astronomy and vision of astronomical progress.</i> Plenary room 1
	Chair: Massimo Mazzoni (I) 6 Contributes Sessions
4.30-4.40	<i>Coffee break</i>
4.45-6.05	(continued) Chair: Liliana ALFONSI (F) 4 Contributes Sessions Sala degli Affreschi room
4.45-6.05	(continued) Chair: Massimo MAZZONI (I) 4 Contributes Sessions Plenary room 1
	Special Event: D'AGOSTINO Tribute Session
6.05-6.40	Chair: Arcangelo Rossi (I)  Stefano BORDONI (I): <i>Salvo D'Agostino Physics and History, Tradition And Innovation</i> Plenary room 1
	Salvo D'AGOSTINO (I): <i>Reply</i> Free Debate: ROSSI (I), BEVILACQUA (I)
6.40-7.45	 General SISFA Assembly Plenary room 1
9.00	 Congress Dinner: Taverna Urbana Restaurant http://www.ristorantetavernaurbana.com Closing Friday session
	Via Urbana 137, Roma Tel.: +39 06-48.84.439

Electronic presentations:  Oral English language is preferred: 

am	Saturday 29, 2012
8.00-1.00	 <i>Welcome Congress (Anna Lukešová) & helpdesk reception</i>
8.00-8.45	Plenary Speaker: Peter HEERING (D) Sala degli Affreschi room
	<i>The analysis of Historical Experiment with the Replication Method</i> Chair: Roberto Mantovani (I)
9.00-10.20	Chair: Antonio Di Meo (I) Sala degli Affreschi room
	4 Contributes Session
10.30-10.40	<i>Coffee break</i>
10.40-11.10	Invited Talk: Michela CIGOLA (I) Sala degli Affreschi room
	<i>The Qiqi tushuo by the jesuit Johann Schreck: europeans Theatra Machinarum in China in the XVIth century.</i> Chair: Anna Lukešová(Cz)
11.15-12.50	Chair: Danilo Capecchi (I) Sala degli Affreschi room
	7 Contributes Session
1.15-1.30	<i>Closing Saturday session</i>  Chairs: Danilo Capecchi and Raffaele Pisano <i>Closing Congress Acts – Organizing Committee</i> Sala degli Affreschi room
1.30	<i>Free Lunch & Greetings</i> <i>No others planned activities</i>
	Permanent Events Involved:
	
	Thursday and Friday, 27–28 September 2012 <i>Ancient and Rare Books Exhibition, Library "G. Boaga", Chiostro Area, Faculty of Engineering</i>
	Thursday and Friday, 27 September 2012 <i>Private Collection of Ancient and Rare Measurements Instruments Exhibition by Antonio Salmeri (The Italian Society for History of Mathematics) and Marcello Salmeri (University of Roma 2 Tor Vergata). Faculty of Engineering</i>
	Permanent during the 3-days congress <i>Posters Panel Session is provided by some SISFA 2012 participants. Faculty of Engineering</i>

Oral presentations without any electronic support are into 