

Centrul de cercetare pentru fizica atomica si astrofizica

Laurentiu-Ioan Caramete 23.09.2010



**Diaspora in Cercetarea
Stiintifica si Invatamantul
Superior din
Romania**



L. Caramete, Bucuresti, 2010

• Astrophysics, Dynamical Systems and Fractals

Astrophysics, Dynamical Systems and Fractals - past and future

A conference to mark the formal retirement of Prof. Mircea Rusu

April 26-27, 2007 -- Department of Physics
University of Bucharest, Magurele, Romania

A two days informal scientific meeting will be held from 26th to 27th April, 2007 to mark the retirement of prof. Mircea Rusu. Given the various scientific interests of prof. Rusu during his career, the topics covered by the conference are broad.

Hence the meeting will be focused (but not restrained) on astrophysics, fractals, atomic and nuclear physics.

All the interested students and researchers in this topics are strongly encourage to participate.

Invited speakers:

Peter L. Biermann

<MPIfR, Bonn, DE>

Dana Casetti-Dinescu

<Yale University, USA>

Vasile Mioc

<AIRA, Bucharest, RO>

Scientific Advisory Board:

Peter L. Biermann - Bonn, Germany

Florin Popescu - Bucharest, Romania

Local Organizing Committee:

Marilena Mierla

Adrian S. Popescu

Ana Vasile

Alina Istrate + other present

and former students of Prof. Rusu

Contact : Marilena Mierla
<marilena@aira.astro.ro>
<mmierla@gmail.com>

For more information :

<http://www.mpifr-bonn.mpg.de/staff/idutan/MirceaRusu/conference.html>



Home	Information	List of Participants	Abstracts & files	Program	Astrophysics Future	Pictures
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Astrophysics, Dynamical Systems and Fractals - past and future

A conference to mark the formal retirement of Professor Mircea V. Rusu

University of Bucharest, Department of Physics, Magurele, Romania, 26-27 April 2007

Scope of the meeting:

A two days informal scientific meeting will be held from 26th to 27th April, 2007 to mark the retirement of Prof. Mircea V. Rusu. Given the various scientific interests of Prof. Mircea V. Rusu during his career, the topics covered by the conference are broad. Hence the meeting will be focused (but not restrained) on astrophysics, fractals, and atomic physics.

Contact:

Marilena Mierla
marilena@aira.astro.ro
mmierla@gmail.com

Invited speakers:

Peter L. Biermann (MPIfR, Germany)
Dana Casetti-Dinescu (Yale, USA)
Vasile Mioc (AIRA, Romania)

Scientific Advisory Board:

Peter L. Biermann, MPIfR, Germany (chair)
Florin Popescu, Bucharest University, Romania

Local Organizing Committee:

Marilena Mierla
Adrian S. Popescu
Ana Vasile
Alina Istrate
+ other present and former students of Prof. Mircea V. Rusu

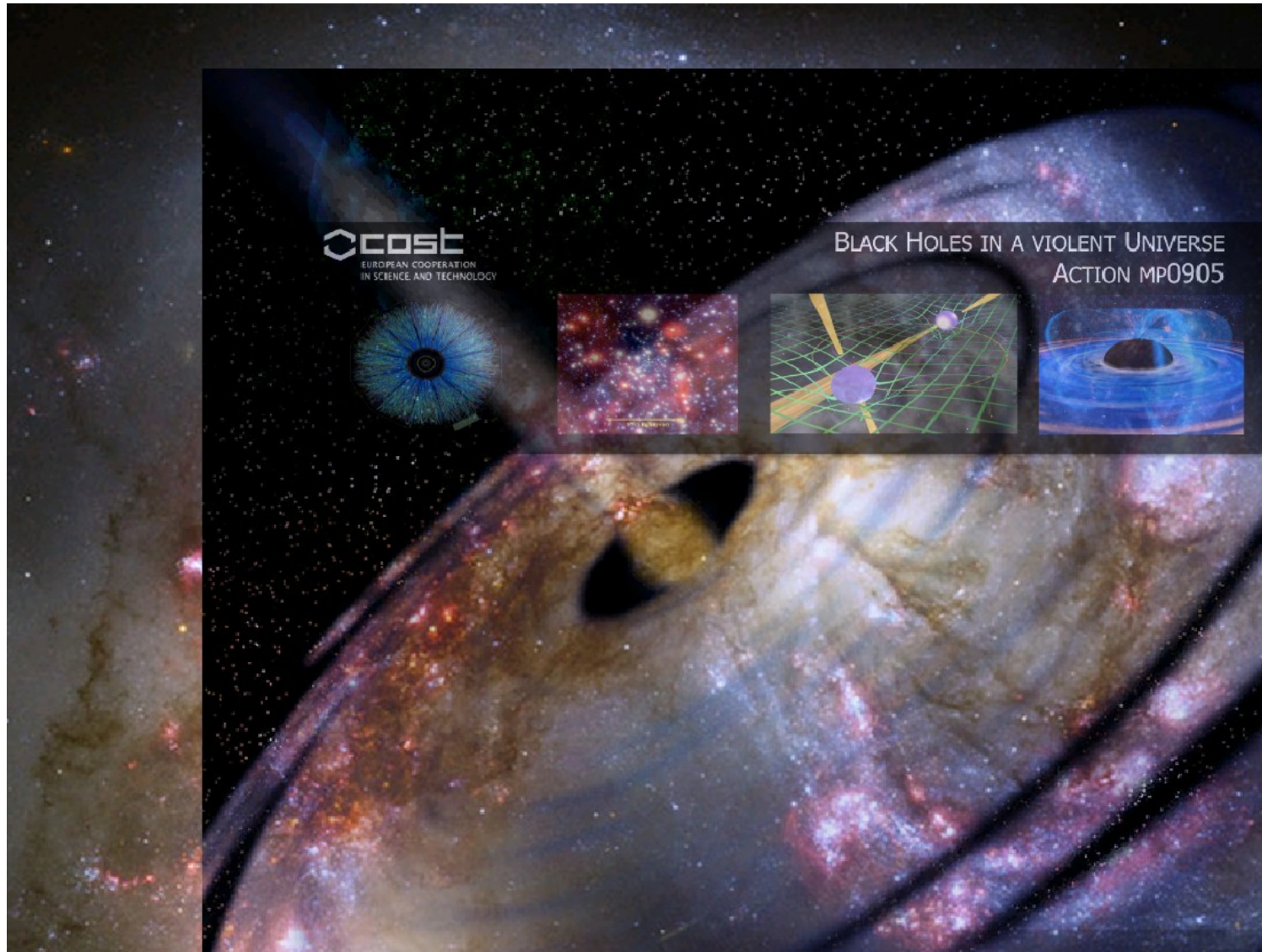
In the last section of the conference, the discussions will be focused on the astrophysics' future in Romania, especially at the University of Bucharest (» more)

Conference Poster [download] Conference Booklet [download] Last update: 23 April 2007

So far, so good! ...Now what?

- Is astrophysics a hot topic in science?
- Review of the progress in astrophysics in Romania
- Collaboration with similar groups in Romania
 - Popularization and advertisement of astrophysics in the Romanian Educational Institutions. e.g. Participation and results in the International Astronomy Olympiads, locally coordinated by Prof. Mircea Rusu
- Astrophysics' continuity in the University of Bucharest
- Official group for research and study. Research Center?
- Access to information, international resources
- International projects and collaborations
- Funds
- Further actions

- Proiectul European COST

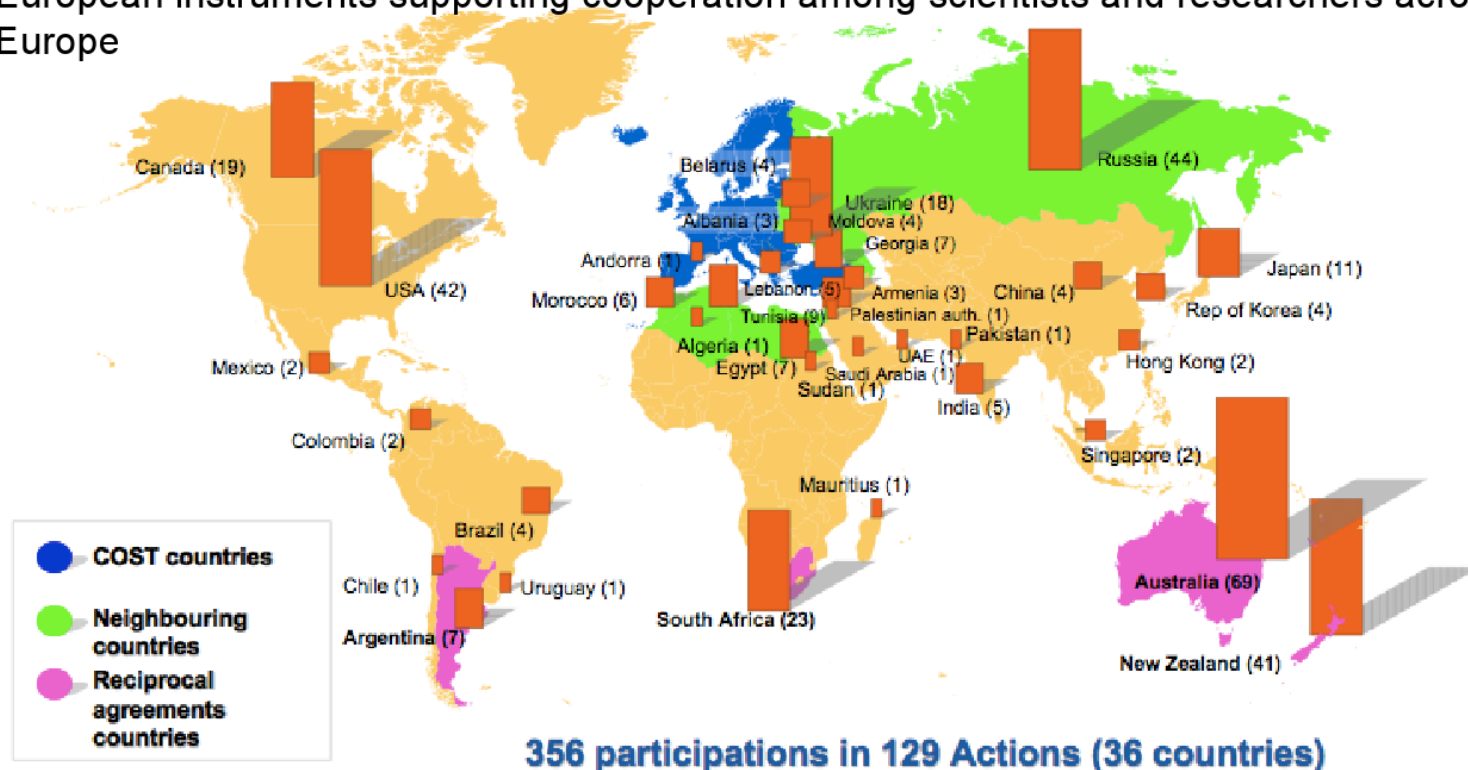


• Proiectul European COST



COST Actions: global participation (status: June 2010)

COST (European Cooperation in Science and Technology) is one of the longest-running European instruments supporting cooperation among scientists and researchers across Europe



COST is supported by the EU RTD Framework Programme

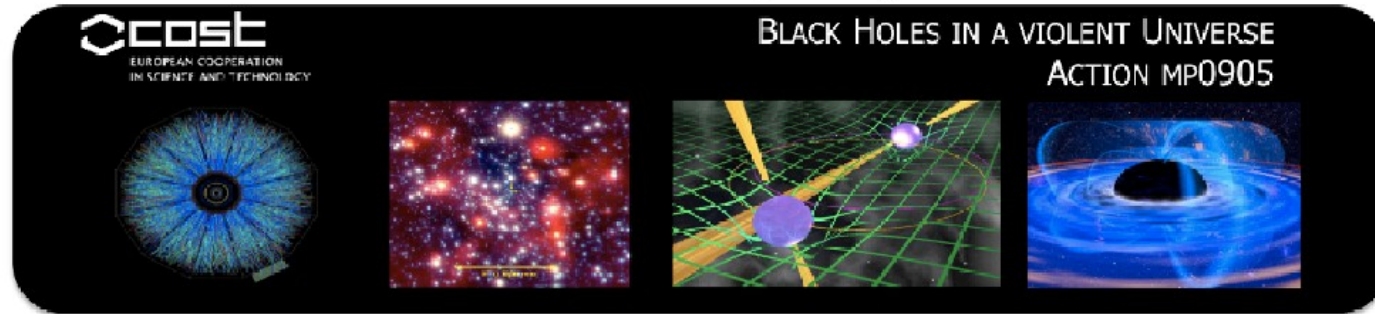
COST Overview June 2010 - 6

ESF provides the COST Office through an EC contract



• Proiectul European COST

The 4 Working Groups



WG1:
Quantum BHs
Xavier Calmet
University of Sussex



WG2: Stellar
BHs / Pulsars
Anthony Rushton
ESO fellow at Onsala
Space Observatory



Robert Ferdman

WG3:
Galactic
Centre BH
Andreas Eckart
I. Physikalisches Inst.
Universität Köln



WG4:
Supermassive BHs
Eduardo Ros
University of Valencia



- Presentation subjects

- ☺ Mass of black holes
- ☺ Scientific Data Mining
- ☺ Super-massive Black Holes and Star formation
- ☺ Existence of dark matter
- ☺ Ultra-high energy cosmic rays: Sources

• Cum sa realizam o prezentare

- Psihologia prezentarii

- Feedback in cadrul unei prezentari

- Structura unei prezentari

- Voce

- Folosirea limbajului

- Pozitia si miscarea corpului

- Inserarea si prezenatrea media

- The bad

- Monoton – plicticos – balbait – prea tare/incet
- Timid – foarte increzator – indiferent - rapid/incet
- Mancat cuvinte – ras la propriile glume
- Vocabular ultra-specializat – fraze complicate
- Multe formule – vorbit la pereti – nemiscat
- Autocritica – final abrupt fara concluzii

- The good

- Fii constient de propria pozitie/ limbajul trupului
- Pauza de respiratie – contact vizual
- Evidentierea concluziilor
- Repetat de cel putin odata
- De invatat temeinic: introducerea si concluziile
- Transmiterea mesajului

• More info

The screenshot shows the 'science side' website interface. The main content area features a list of articles with the following details:

- 15 APR 2010**: **Another door opens for SETI**. Let's start explaining the title, what is SETI (Search for Extraterrestrial Intelligence)? It's a very serious initiative to respond a fundamental question for us humans: Are We Alone? The project uses telescopes to listen for narrow-bandwidth radio signals from space. Such events do not occur naturally, so a detection would provide strong evidence of extraterrestrial signals. 50 [...]
- 09 APR 2010**: **Space – The final frontier**. I may continue with the full phrase like "These are the voyages of the Starship, Enterprise ..." but we are a long way to say that. Presently we just managed to send people to our moon, some time ago, and we are scratching the surface of our solar system. This doesn't mean that we didn't travel [...]
- 14 JAN 2010**: **Data mining: harvesting the depths of astronomy**. Long lost are the situations in which you had to observe a star or a galaxy with a telescope and mark all your observation on paper. Today you don't even see the telescope or satellite, and you are even of a different continent than the instrument of observation. You only have your personal computer and a [...]
- 06 JAN 2010**: **Black Hole binaries as gravitational wave sources**. Credit: NASA, ESA and the Hubble Heritage (STScI/AURA)-ESA/Hubble Collaboration


The sidebar on the right includes a search bar, a 'Categories' list (Astronomical databases, Atlases, Black Holes, Catalogs, Data Analysis, Earth, Events, Galaxy, Galaxy: dynamics, Galaxy: kinematics, Gravitational potential, Gravitational Waves, N-body, Observatory, Star Clusters, Stellar Dynamics, Sun, Surveys, Virtual Observatory Tools), a 'Tags' section (astrophysics, black hole, mass, Black Holes, CMB, Cosmology, space, mission, Universe), and a 'Recent Posts' list.

• More info

06 JAN 2010

Black Hole binaries as gravitational wave sources

iau 0




Credit: NASA, ESA and the Hubble Heritage (STScI/AURA)-ESA/Hubble Collaboration

The battle between GPU(Graphical Processing Unit) and CPU(Central processing unit) is even more fierce in the realm of science where many disciplines use simulations. One of this is astrophysics where simulations of physical processes in the Universe play an important role.
The main advantage of using the GPU [...]

26 NOV 2009

Baby Universe Book

moonchild 0




Did you know that cosmologists can make a "memory album" of the Universe in its infancy? A so called "Baby Book" which can contain pictures of the Universe when it was as young as 380.000 years old, out of which one can extract useful informations about the birth and evolution of Baby Universe...

18 NOV 2009

How To Weight A Black Hole

iau 2




Do you know what a black hole is? Well yes, everybody knows by now what this monster is, an astrophysical object that can absorb everything, even light and from the insight of it there is no way out. But do you know how to measure it's mass? In a recent article by B. Czerny and M. [...]

Most Popular Articles

- Data mining: harvesting the depths of astronomy
- How To Weight A Black Hole
- Space - The final frontier
- Another door opens for SETI

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astronomy

- Black Hole binaries as gravitational wave sources
- Baby Universe Book

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- MarkSpizer on Data mining: harvesting the depths of astronomy
- mowskeemy on How To Weight A Black Hole
- Tweets that mention Science Side » Another door opens for SETI -- Topsy.com on Another door opens for SETI
- electro on How To Weight A Black Hole
- Tweets that mention Science Side » Space - The final frontier -- Topsy.com on Space - The final frontier