

# Young Minds Rome



**Sapienza**

**Roma Tre**

# Young Minds Rome

## Past Activities

- “Occhi su Giove: l'autovelox per la Luce”  
 (“Eyes on Jupiter: the speed camera for light”)
- Active Formative Apprenticeship
- Experimental School on Science Communication

## Future Activities

- “Occhi su Saturno” (“Eyes on Saturn”)
- “La scienza m'illumina” (“Science enlightens me”)
- Communication

# Occhi su Giove: l'autovelox per la Luce

## Eyes on Jupiter: the speed camera for light

February 27<sup>th</sup> - Roma Tre (Mathematics and Physics Department)

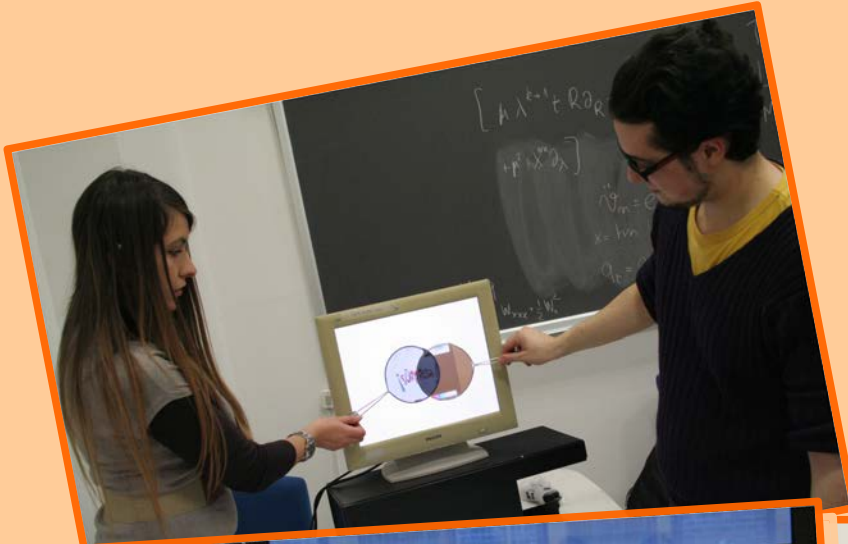
600 people!

- Optics
- The eyes and the 3D vision
- Gravitational lenses
- Auto-gravitating water



# Occhi su Giove: l'autovelox per la Luce Eyes on Jupiter: the speed camera for light

## Optics





# Occhi su Giove: l'autovelox per la Luce Eyes on Jupiter: the speed camera for light

## The eyes and the 3D vision



Why do we need  
both eyes if  
one works fine?

Because two  
eyes are needed  
for the depth  
perception!



# Occhi su Giove: l'autovelox per la Luce Eyes on Jupiter: the speed camera for light

## Gravitational lens



# Occhi su Giove: l'autovelox per la Luce Eyes on Jupiter: the speed camera for light

## Auto-Gravitating Water





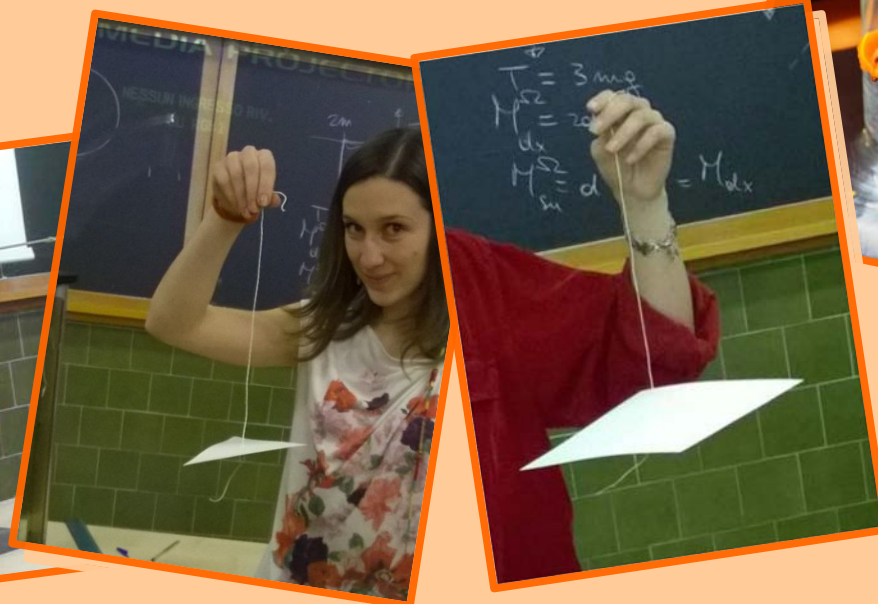
# Tirocini Formativi Attivi

## Active Formative Apprenticeship

March - Sapienza (Physics Department)

Aimed at aspiring middle school teachers

- Centroid and moment force
- Motion and acceleration
- Optics





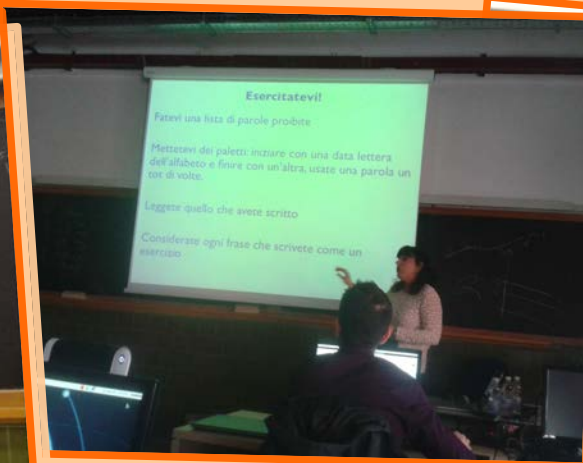
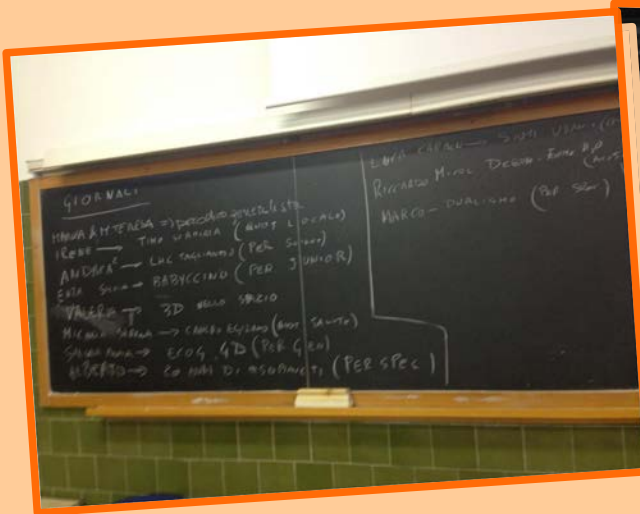
# Scuola sperimentale di comunicazione scientifica Experimental School on Science Communication



March - Sapienza (Physics Department)

Writing laboratory integrated in the experimental school on science communication organized by the Assaggi bookstore.

14 hours: Lecture and practical session.



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# Occhi su Saturno

## Eyes on Saturn

- Optics
- Eyes and 3D vision
- Gravitational lenses
- Auto-gravitating water
- Exposition on minor bodies of the Solar System
- Rosetta's model
- Videos and meteorites

NEW!

NEW!

NEW!

June 19th – Roma Tre

(Mathematical and Physics Department)



# La scienza m'illumina Science enlightens me

September 25<sup>th</sup> – October 18th

Sapienza

(Mathematical Physics and Natural Science Department)

Exposition with different stands and experiments:

We will be **guides**.

- Optical geometry
- Ondular optics
- Quantum mechanics
- projections





# Science Communication

- PhD course on communication
- Course with Manuela Cirilli (Knowledge Transfer office at CERN and teacher in Science Journalism Master of the University of Ferrara)
- “Accastampato”



**MA L'HAI FATTA CON POWERPOINT?**

COME FARE OTTIME PRESENTAZIONI

*Manuela Cirilli*  
CERN

30 APRILE 2015 ORE 15 AULA B  
DIPARTIMENTO DI MATEMATICA E FISICA - VIA DELLA VASCA NAVALE 84

ROMA TRE, ME, Young Minds, accatagliato

Overcoming  
one's fear  
during a  
presentation!

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