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**Qualification:**

Master degree in Physics

Doctorate in Biophysics

Certified Diploma for professional ballet and contemporary dance

Teaching qualification in classical dance

**Profession:**

Classical dance teacher

Classical dance choreographer

Founder of the "Dance & Physics" class in Europe since 2009

Author of the book *Danza&Fisica*

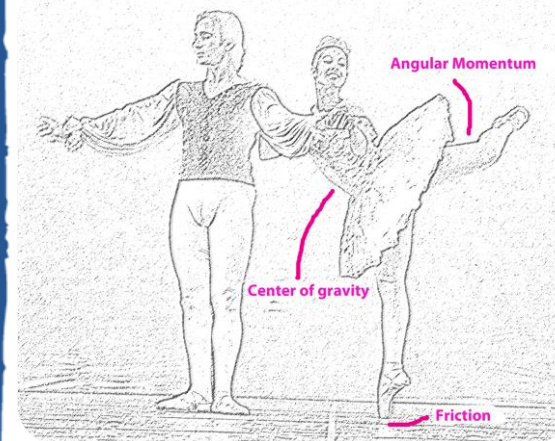


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## Dance & Physics Workshops

A Dance&Physics workshop aims to explain how dance movements are ruled by Physics laws and how these principles affect the dynamic of dance movements.

The workshop is focused on providing insight into the analysis of dance.

Every dancer knows that to turn faster he has to bring the arms close to the body or that body balance is better in the fourth position of feet but few know why...

Understanding of physical principles contributes to achieve the most effective performance. The dynamic of movement is not only a matter of style.

Physics determines the appearance of dance movements. In a *pirouette* the use of the arms has physical bases and aesthetic reason.

Knowing how physics principles apply to movements can lead dancers to figuring out logically how to solve problems with balance, pirouettes and jumps.

The **Dance&Physics** workshop aims to answer these kinds of questions:

- How can a dancer regain balance while wobbling?
- How can understanding physical principles allow dancers to achieve the most effective *pirouette*?
- How can dancers maintain balance for extended time in repeated *pirouettes*?
- How can dancers give a floating illusion performing a *grand-jeté*?

Physics laws applied to dance movements provide intriguing, useful, and at the same time surprising results.

### Why to attend the workshop?

- To improve body posture and dance performance in ballet, contemporary and modern dance.
- To learn the tricks for improving the dynamic of dance movements.
- To learn Physics laws easily and in a funny way.
- To learn how this interdisciplinary environment can give benefits on the stage.

### Who is the workshop for?

- Dance students
- Professional dancers
- Dance teachers
- Dance choreographers
- Dance critics
- High school students
- Fans of Art and Science

### Workshops for

**Kids (6-12), Teens (13-18) and Adults.**

**It is possible to customize every workshop according with the school's requirements.**

**Each workshop can be focused on a specific dance movements, such as a *fouettes*, an *arabesque*, a *grand-jeté*, or on selected concepts such as balance, friction, rotation...**

**Date** can be agreed with the school.

The workshop's **duration** depends on topics and the age of the people who attend it.

### Tutorial material

A booklet that includes the topics of the workshop is available at the price of 35 CHF.

