

Pneumatic lighter: stimulating studies in Chemical Physics

*Thiago de Cacio Luchese*¹
*Roger Matias Vogt*²
*Rosália Andrighetto*³

¹Universidade Federal da Fronteira Sul, Brazil

²Universidade Federal da Fronteira Sul, Brazil

³Universidade Federal da Fronteira Sul, Brazil



Abstract

In early graduation, frequently it is observed a lack of motivation to study Thermodynamics or Chemical-Physics without a direct contact with in locus experiments that demonstrate the necessary understanding of these great themes. This perception and the finding that the burning of cotton or small pieces of paper in a transparent pneumatic lighter – witch, in turn, is a qualitative experiment of great simplicity and of rapid execution in classroom – calls attention of the students for these areas of knowledge, gives the basis for this work.

So, we wish in this presentation to stimulate further contact between quantitative physical and qualitative chemical methods for investigation about the mater structure and the technical and technological applications of this. We want to give a so desired reason for students to pay attention in basics physics and chemistry.



Biography:

Thiago de Cacio Luchese has completed his doctorate degree at the age of 29 years from Universidade Federal de Santa Catarina and nowadays is teaching at Universidade Federal da Fronteira Sul.

Speaker Publications:

1. The simple pendulum as a mediator of concepts and methods in Physics teaching
2. Dynamics of physical pendulum with magnet in the presence of a coil
3. Science and Sports: exploring aerodynamics with the artistic help of nanoPutians through comic strips

[3rd Edition of EuroSciCon Conference on Chemistry](#), Rome, Italy- August 17-18, 2020.

Abstract Citation: Thiago de Cacio Luchese, *Pneumatic lighter: stimulating studies in Chemical Physics*, Chemistry 2020, 3rd Edition of EuroSciCon Conference on Chemistry, Rome, Italy, August 17-18, 2020.