



## Starting a new challenge

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**Abstract:** Idea and conception of the scientific article developed for IOSTE.

**Key words:** IOSTE, practice-based learning, teaching strategy.

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*Dec 20, 2021*

Today I woke up thinking about how it would be possible to take the idea of -madScientistsDiary- forward. What would be the limitations and difficulties, how would it be possible to disseminate information about the work in progress... if that would be possible.

I was also preoccupied with issues such as newspaper formatting and everything else.

So, the possibility of a pilot project emerged, in which the practice would demonstrate the best path and the difficulties.

Just now I learned about the launch of the call for papers for the Symposium IOSTE 2022.

[https://ioste.org/ioste\\_brochure\\_2020-2022.pdf](https://ioste.org/ioste_brochure_2020-2022.pdf)

Given a number of factors that have converged in recent days, I decided to submit a proposal for this symposium.

At that point I understood, that dissemination can even start with an idea. Perhaps it is even recommended that this be so...

My idea for IOSTE: is it possible to unite research, collaborative work, information technology and transparency in the quest to improve undergraduate engineering education?

I will soon format this first report in the form of a newspaper article, with bibliographical references, abstract and whatever else is appropriate. I hope this will be the first article in -madScientistsDiary- and that it will bring good results and many other ideas.

The funniest part of the text I present here is that within the text the theme that will be worked on in the IOSTE article emerged very explicitly. And I believe that this could be the theme: practice shows the way.

This topic is directly associated with the work I developed with students in my extension projects. I de-

veloped such projects, the lesson plans of the courses I teach, and everything else, always with this focus: teaching through practice. And, of course, this is directly related to research and extension.

But it's not always easy to do this...