

# **University Students' Mathematics Learning Using Digital Tools: The Impact of Tutorial Videos**

## Relevance with MatRIC's goals

- “Initiate, support and disseminate research into teaching, learning and assessing mathematics to identify, understand and evaluate effective innovation in practice.”
- MatRIC's video network

## Aims of my PhD project

- Characterize the learning environment where tutorial videos are used for teaching and learning mathematics at university level.
- Students' experiences and interactions with these resources will be studied.
- Affordances and constraints linked with the use of videos to learn mathematical concepts.

## How?

- Socio cultural framework by Vygotsky – to look at the ‘new kind’ of social interaction.
- Instrumental Approach – to look at the students’ appropriation of videos for learning mathematics

## **The idea is to:**

- Get Informed about students' usage of videos.
- Get ideas about integration of videos in mathematics courses.
- Explore the role of videos in learning mathematics.