

CMM PDE Seminar

Speaker: Tiago Novello (IMPA, Brasil)

Title: Neural Implicit Surface Evolution using Differential Equations.

Abstract: In this talk, we present a machine learning framework that uses smooth neural networks to model dynamic variations of implicit surfaces under partial differential equations. Examples include evolving an initial surface towards vector fields, smoothing and sharpening using the mean curvature equation, and interpolations of implicit surfaces regularized by specific differential equations.

Tuesday, December 20, 2022 at 14:30 Santiago time

Both are to be held in person at **Sala de seminarios DIM, 5th floor**, Beauchef 851, and online via zoom:

<https://uchile.zoom.us/j/91258287973?pwd=QktKTG1lU1pCSWJ6TzdrY3J5MS92QT09>

For further information, see our webpage: <https://eventos.cmm.uchile.cl/pdeseminar/>

