

Seminario Salud Digital

Expositor: Argyrios Petras (The Johann Radon Institute for Computational and Applied Mathematics (RICAM), Austria)

Título: Computational methods for cardiac catheter ablation procedures.

Abstract: Cardiac ablation treatments are essential procedures for the treatment of severe cases of cardiac arrhythmias. Using a catheter, these minimally invasive treatments introduce scarring in the cardiac tissue, insulating arrhythmogenic areas and restoring the normal sinus rhythm of the heart. The creation of digital twins and personalized models can aid in therapy planning and improvement of the efficacy and safety of interventional procedures. In this talk we will delve into the multiscale and multiphysics mathematical modelling aspects for two commonly used treatments, radiofrequency and pulsed field ablation.

Día/hora: Lunes 22 de enero 2024, 16:00hrs.

Lugar: Sala de Seminarios John Von Neumann CMM, piso 7, Torre Norte Facultad de Ciencias Físicas y Matemáticas, Universidad de Chile (Beauchef 851)

