

Abstract Mario Romero, KTH Stockholm

Title: Visualization in Life Sciences

Abstract: In this talk I will present three projects visualizing different aspects of healthcare data. First I will talk about a project with Danderyd Hospital visualizing indoor climate for reducing hospital-acquired infections and improving working conditions. Second, I will talk about visualizing air flow in operating rooms, to reduced the risk of infection at the surgical site through better understanding and training around airflow. Third, I will talk about capturing and visualizing brain surgery procedures for training neurosurgical residents using motion capture environments and immersive virtual and augmented reality techniques. I aim to leave space for discussion.