

BHI & BSN 2018



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Workshop/Tutorial title: Process Mining in Healthcare using PALIA Suite

Organizers

Carlos Fernandez-Llatas
Universitat Politecnica de Valencia, Spain

Fernando Seoane
Karolinska University Hospital / Karolinska Institutet, Sweden

Short description

Process Mining technology is a relatively new technology that was commonly used for supporting process experts in the understanding of real processes beyond the designed processes. The objective of this Tutorial is to present the PALIA suite used in the medical domain, presenting the application of PALIA to real use cases and the savings and benefits, researchers and health care providers achieved.

Contents

The tutorial will be divided in three main stages:
In the first stage, the basic concepts, barriers and challenges of Process Mining will be analyzed and presented.
In a second stage, the PALIA Process Suite tool will be presented. A web based demo version will be available for tutorial attendants.
In the third stage, different real use cases with real data in health problems will be presented, showing how barriers and challenges were approached using PALIA.

CVs of the organizers

Carlos Fernandez-Llatas, Head of the Process Oriented Data Science Lab at ITACA Institute in Universitat Politecnica de Valencia. Founder member of the Process Mining 4 Healthcare Initiative and member of the IEEE CIS Task Force on Process Mining (<http://personales.upv.es/carferll/cv/>)

Fernando Seoane, Research, Innovation, Development and Education Officer at Department of Biomedical Engineering, Karolinska University Hospital, Senior Lecturer at Karolinska Institutet and Professor at the University of Borås, Sweden. Member of the IEEE-EMBS Technical Committee Wearable Biomedical Sensors and Systems.

