

**Edson Francisco Luque Mamani**

**Automatic classification of cancer tumors using image  
annotations and ontologies**

Master dissertation submitted to the Instituto de  
Ciências Matemáticas e de Computação – ICMC-  
USP, in partial fulfillment of the requirements for the  
degree of the Master Program in Computer Science  
and Computational Mathematics. *EXAMINATION  
BOARD PRESENTATION COPY*

Concentration Area: Computer Science and  
Computational Mathematics

Advisor: Prof. Dr. Dilvan de Abreu Moreira

**USP – São Carlos  
November 2016**