

The University of Utah Graduate School

STATEMENT OF DISSERTATION APPROVAL

The dissertation of **Tiago Etienne Queiroz**
has been approved by the following supervisory committee members:

Cláudio T. Silva , Chair 03/28/2013
Date Approved

Robert M. Kirby , Member 03/28/2013
Date Approved

Christopher R. Johnson , Member 03/28/2013
Date Approved

Luis Gustavo Nonato , Member **04/04/2013**
Date Approved

Juliana Freire , Member 03/28/2013
Date Approved

and by Al Davis, Chair of
the Department of **School of Computing**

and by Donna M. White, Interim Dean of The Graduate School.