

Deposited under the number : 2017SACLS433

## CERTIFICATE OF ACHIEVEMENT

The president of Université Paris-Saclay certifies that the doctoral degree from Université Paris-Saclay, prepared at université Paris-Sud, within the doctoral school n°580 - Sciences and Technologies of Information and Communication, in the specialty Informatics, was awarded to

**Monsieur Mathieu CARRIERE**

Born on August 09<sup>th</sup> 1991 at Louisville, ETATS-UNIS

Under the academic year 2017-2018

Title of the dissertation On metric and statistical properties of topological descriptors for geometric data

Date of the defense : November 21<sup>st</sup> 2017

Place of the defense : C47 Télécom ParisTech Bâtiment C, 46 rue Barrault, 75013 Paris

### Composition of the Jury

M. Marc SCHOENAUER, Directeur de Recherche, Inria Saclay - President

M. Gunnar CARLSSON, Professeur, Stanford University - Reviewer

M. Jean-Philippe VERT, Directeur de recherche, Centre for Computational Biology - Reviewer

M. Julien MAIRAL, Chargé de recherche, Inria Grenoble - Reviewer

M. Xavier GOAOC, Professeur, Université Paris Est - Examiner

M. Ulrich BAUER, Professeur assistant, TUM Munich - Examiner

M. Steve OUDOT, CR1, Inria Saclay - Thesis Supervisor

Paris-Saclay

March 06<sup>th</sup> 2018

The president of Université Paris-Saclay or his delegate

Professeur **Philippe BÉTAILLEAU**  
Président de l'Université Paris-Sud