

# COST STSM Application Form



**COST Office**

Science Officer : ?

COST MC Chair : ?

**COST STSM Reference Number** : COST-STSM-?-?

**Period** : 10/01/2007 to 24/01/2007

**COST Action** :

**STSM Applicant** : Alexandre Bou  nard, [alexandre.bouenard@univ-ubs.fr](mailto:alexandre.bouenard@univ-ubs.fr)

VALORIA Laboratory  
University of Bretagne Sud, Campus de Tohannic  
56000 Vannes, FRANCE

**STSM Topic** : Automatic analysis of percussive gestures

**Host** : Prof. Marcelo M. Wanderley, [marcelo.wanderley@mcgill.ca](mailto:marcelo.wanderley@mcgill.ca)

Sound Processing and Control Laboratory  
Schulich School of Music – McGill University  
555, Sherbrooke Street West  
H3A 1E3 Montreal, Qc, CANADA

**Budget Request** :

Travel	650 �
Subsistence	900 �
Total	1550 �

**Short CV**

After two years of maths and physics courses, I passed the french concours for the entrance of “Grandes Ecoles”. I then received an engineering degree in computer science from the University of Rennes, France (DIIC - INC) in the field of Image Processing and Synthesis. Moreover, I received a Master Research degree in the field of Image and Artificial Intelligence.

**Work Plan Summary**

The aim is the analysis and evaluation of gestures (in particular percussive ones) during performances, in order to model the interaction process between a virtual humano  d and a model of a percussion. The extraction of pertinent features during performances will be used for the re-synthesis of gestures.

I request the approval of a COST Short Term Scientific Mission as described above.

Alexandre Bou  nard on the /09/2006