Lab Session 6 part 2, Concurrency and Parallelism

Jean-Viven Millo
INRIA Sophia-Antipolis
jean-vivien.millo@inria.fr

Andrea Tettamanzi
UNSA
andrea.tettamanzi@unice.fr

November 20, 2012

Abstract

The goal of this session is to discover the basic mechanisms of MPI. In order to realize the exercises, you will require the following documents: i) this lab session subject ii) the MPI4Lecture library available at the following location: *http://www-sop.inria.fr/members/Luc.Hogie/mpi4lectures/* iii) the course iv) the JAVADOC.

Exercise 1: Discover MPI4Lectures

Create a new JAVA project and link it to the MPI4Lecture library. Get used to the syntax through the available example.

Exercise 2: The bubble sorter is back

Re-implement the multithreading layer of the bubble sorter(TP1 exercise 4) in a MPI fashion.