

DELFT UNIVERSITY OF TECHNOLOGY

INTRODUCTION TO HIGH PERFORMANCE COMPUTING  
WI4049TU

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## Lab Report

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TEST

# 1 Introduction

In the introductory lab session, we are taking a look at some basic features of MPI. We start out very simple with a hello world program on two nodes.

## 1.1 Hello World

```
1 #include "mpi.h"
2 #include <stdio.h>
3
4 int np, rank;
5
6 int main(int argc, char **argv)
7 {
8     MPI_Init(&argc, &argv);
9     MPI_Comm_size(MPI_COMM_WORLD, &np);
10    MPI_Comm_rank(MPI_COMM_WORLD, &rank);
11
12    printf("Node %d of %d says: Hello world!\n", rank, np);
13
14    MPI_Finalize();
15    return 0;
16 }
```