



Faculty of Science (FNWI)

Informatics Institute (IvI)
Science Park 904
1098 XH Amsterdam
P.O. Box 94323
1090 GH Amsterdam
The Netherlands

T +31 20 525 7463
<http://www.science.uva.nl/ii>

ING 5030111
ABN AMRO 44 40 42 342

Date	Your reference	Our reference
4 juli 2016		AB/PB
Subject	Telephone	Email
Certificate of participation	+31 20 525 7514	A.S.Z.Belloum@uva.nl

To Whom It May Concern:

Certificate of participation

This is to certify that Mr. Jard. H. de Vries has participated in the course HPC and Big Data¹ Organized by the University of Amsterdam and SURFSara in June, 2016.

The course is part of the UvA Bachelor informatica and worth 6 ECTS:

Mr. Jard. H. de Vries has followed the following lectures and workshops

1. Intro to distributed sys & BigData (6 hours)
2. Introduction to Unix (2 hours)
3. Using HPC systems (4 hours)
4. HPC Cloud (8 hours)
5. Data-intensive Computing with Spark & Hadoop (8 hours)
6. Programming HPC systems with OpenMP and MPI (4 hours)

Best Regards
Adam S.Z. Belloum, Coordinator of the course



¹ <http://hpc.uva.nl/>