



CIMNE

Master of Science in Computational Mechanics/ Master on Numerical Methods in Engineering

ACCEPTANCE OF INTERNSHIP WORK PLAN

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| Name of the student | Waleed Mirza |
| Company/Institution | Barcelona Supercomputing Center |
| Name of the supervisor | Mariano Vázquez |
| Department | CASE |
| Start and end dates | 01/06/2016-30/09/2016 |
| Total number of hours | 450 hours in total (25 hours /week) |

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| Topic: Fluid-structure interaction and damage models for excised arteries |
| Main tasks: <ul style="list-style-type: none">- Study and understand biomechanics of arterial walls- Study and understand damage models in non-linear solid mechanics- Study and understand fluid structure interaction- Test and validate several models for FSI and damage which are already implemented in BSC's in-house simulation code Alya for arterial tissue |

Additional remarks: This internship will be related to a collaboration project between BSC, Glasgow University and Graz University.

Any change in the information contained in the internship agreement must be authorized by the local master coordinator.

Date: 12-01-2016

Student's signature -

Master Coordinator's signature