



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

ACCEPTANCE OF INTERNSHIP WORK PLAN

Name of the student	Waleed Mirza
Company/Institution	Barcelona Supercomputing Center
Name of the supervisor	Mariano Vázquez
Department	CASE
Start and end dates	08/02/2016-30/06/2016
Total number of hours	450 hours in total (25 hours /week)

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