CIMNE

Master on Numerical Methods in Engineering

ACCEPTANCE OF INTERNSHIP WORK PLAN

Name of the student	**Sònia Garrido**

Company/Institution/ Department	**CIMNE**
Name of the external supervisor	**Michele Chiuemnti**
Start and end dates	**13/10/2016-28/03/2017**
Total number of hours	**450**

Topic: Numerical simulation of manufacturing processes: AM and FSW
Main tasks: - Validation of the software interface Add2Man for the numerical simulation of Additive Manufacturing (AM) processes by FDM technology - Validation of the software kernel of Add2Man for the numerical simulation of Additive Manufacturing (AM) processes by FDM technology: isotropic, transversal- isotropic and orthotropic constitutive models - Validation of the software for the numerical simulation of the FSW process. Calibration of the numerical tool with respect to the experimental evidence when using cylindrical pin-shape - Calibration of the numerical tool with respect to the experimental evidence when using threaded pin-shape
Additional remarks:

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

Date:

Student's signature	External supervisor'signature	Antonia Larese