



**Oslo**  
5<sup>th</sup>-9<sup>th</sup> June 2022

This is to certify that

**MOHAMED EL AMINE BEN SEGHIER**

Attended the

**ECCOMAS CONGRESS 2022**

**8th European Congress on Computational Methods in Applied Sciences and Engineering**

5-9 June 2022, Oslo, Norway

and presented the paper:

"Using artificial intelligence techniques for the accurate estimation of the ultimate pure bending of steel circular tubes"

A handwritten signature in blue ink that reads "Trond Kvamsdal". The signature is written in a cursive style and is positioned above the printed name of the signatory.

Trond Kvamsdal  
Chair ECCOMAS Congress 2022

ECCOMAS Congress 2022 Secretariat  
CIMNE Congress Bureau  
Campus Nord UPC - Building C3  
Jordi Girona, 1-3 (08034)  
Barcelona, Spain