Porto, 14 May 2019

REFERENCE LETTER

I have been working with Dr. Hamed Akhavan since the end of May 2010. Until the end of 2015, Dr. Hamed Akhavan was a PhD student at the Faculty of Engineering of the University of Porto (FEUP), Portugal. After and until the present date, Dr. Hamed Akhavan has been performing research at INEGI – a research institute with relations to FEUP.

Dr. Hamed Akhavan achieved important progresses in his research. He investigated a number of issues on Variable Stiffness Composite Laminated (VSCL) plates, both in the linear and geometrically non-linear regimes, including: the natural modes of vibration; stress fields in the static and dynamic regimes; failure on-set in static and dynamic situations; forced, periodic oscillations; vibrations of VSCL plates with geometric imperfections; fluid structure interaction and flutter. His work led to a few journal papers and communications in international meetings.

Dr. Hamed Akhavan participated in advanced courses either related to non-linear dynamics or to mechanics of composites at DTU, Denmark; at CISM, International Centre for Mechanical Sciences, Italy; and at the Faculty of Engineering, University of Porto. He has also been involved in the organization of national and international meetings; recently he provided an important contribution to the organisation of EUROMECH colloquium 603. Dr. Hamed Akhavan also has experience of carrying out research out of Portugal, first in Iran and later at the University of Michigan-Ann Arbor, USA, where he spent three months under the supervision of Professor Bogdan I. Epureanu. He also has teaching experience.

Dr. Hamed Akhavan currently carries out research related to dynamics in the non-linear regime and plans to continue doing so in the future. Therefore, I believe it would be very useful for him to participate at São Paulo School of Advanced Sciences on Nonlinear Dynamics.

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