Biography

Ilige S. Hage is an assistant professor of Mechanical Engineering at Notre Dame University –Louaize (NDU). Dr. Hage received her doctorate degree in Mechanical Engineering (Materials and Manufacturing) from the American University of Beirut, Lebanon in 2015; her master’s degree in Mechanical Engineering (Materials and Manufacturing) from Ecole Centrale de Nantes (ECN), France in 2011 and her bachelor degree in Mechanical Engineering from the Lebanese University (ULFG2), Roumieh in 2011. Dr. Hage currently teaches courses in Notre Dame University after joining in spring 2017 as an assistant professor. Her research interests are in the area of materials processing, manufacturing, biomechanics, simulation and modeling with emphasis on biomaterials.

Peer-reviewed Journals

International

- Hage, R. Hamade: an experimentally validated combined stiffness formulation for a finite domain considering volume fraction, shape, orientation, and location of a multiple inclusions. Comptes Rendus. Mécanique 348 (2), 113-135
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**Chapters in Books**

**International**
- Hage, R. Hamade: Micro-FEM Orthogonal Cutting Model for Bone Using Microscope Images Enhanced Via Artificial Intelligence. Procedia CIRP 2013;8:384-

**Exhibitions, Competitions and Creative Work**

**Local**
- I. Hage, R. Hamade: Distribution of Area Fraction of Pores in Cortical Bone’s Pericortical and Intracortical Regions. 5th AUB biomedical research day, Saturday, February 21, 2015, American University of Beirut. Award for outstanding poster presentation.
- CNRS research project approved, entitled: Human joints impact measurement and optimization (HJIMO) Total budget in Million LBP 32