Name: Dr. Murugaiyan Amirthalingam

1. Srinivasan Chandrasekaran, S. Hari and M. Amirthalingam. (2020). Wire arc additive manufacturing of functionally graded material for marine risers. Materials Science and Engineering A, 792, 139530.

2. Justin Baby, Amirthalingam, M. (2020). Microstructural development during wire arc additive manufacturing of copper-based components. Welding in the World, 64 , 395-405.

3. Agarwal, G., Amirthalingam, M., Moon, S., Dippenaar, R., Richardson, I., & Hermans, M. (2018). Experimental evidence of liquid feeding during solidification of a steel. Scripta Materialia, 146 , 105-109.

4. Gao, H., Agarwal, G., Amirthalingam, M., & Hermans, M. (2018). Hot cracking investigation during laser welding of high-strength steels with multi-scale modelling approach. Science and Technology of Welding and Joining, 23 (4), 287-294.

5. Agarwal, G., Gao, H., Amirthalingam, M., & Hermans, M. (2018a). In situ strain investigation during laser welding using digital image correlation and finite-element-based numerical simulation. Science and Technology of Welding and Joining, 23 (2), 134-139.

6. Gao, H., Agarwal, G., Amirthalingam, M., Hermans, M., & Richardson, I. (2018). Investigation on hot cracking during laser welding by means of experimental and numerical methods. Welding in the World , 62 (1), 71-78.

7. Agarwal, G., Kumar, A., Gao, H., Amirthalingam, M., Moon, S.C., Dippenaar, R.J., Richardson, I.M., Hermans, M.J.M., (2018). Study of Solidification Cracking in a Transformation-Induced Plasticity-Aided Steel Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 49, 4, 1015-1020.

8. Agarwal, G., Gao, H., Amirthalingam, M., & Hermans, M. (2018b). Study of solidification cracking susceptibility during laser welding in an advanced high strength automotive steel.Metals, 8 (9).

9. Amirthalingam, M., van der Aa, E., Kwakernaak, C., M. Hermans, M., & Richardson, I. (2015). Elemental segregation during resistance spot welding of boron containing advanced high strength steels. Welding in the World , 59 (5), 743-755.