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### **Education:**

***PhD Engineering Degree: Metallurgical and Ceramic Engineering***

[2006-2010] **Center for Research and Advanced Studies of the National Polytechnic Institute** [Saltillo, Coah., Mexico]

***Master of Science degree: Metallurgical Engineering***

[2004-2006] **Center for Research and Advanced Studies of the National Polytechnic Institute** [Saltillo, Coah., Mexico]

***Bachelor of Science degree: Chemical Metallurgist Engineer***

[2000-2004] **Autonomous University of Coahuila** [Monclova, Coah., Mexico]

### **Publications:**

1. "Effect of C and Mn Variations upon the Solidification Mode and Surface Cracking Susceptibility of Peritectic Steels". ISIJ International, Vol. 49, (2009), No. 6, pp. 851-858.
2. "Effect of Solidification Path and Contraction on the Cracking Susceptibility of Carbon Peritectic Steels" Met. and Mater. International Vol. 16, (2010), No. 5, pp. 731-737.
3. Finite element modeling of immersion route effect on macroscopic distortion during quenching of long steel components. F.A. García-Pastor, R.D. López-García, **E. Alfaro-López**, M.J. Castro-Roman. Proceedings of the 5<sup>th</sup> International Conference on Thermal Process Modeling and Process Simulation. ASM 2014.