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Docente Investigador	
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Puesto:	Profesor
Área:	Energía, Termodinámica, Hidrógeno

Formación:

Ingeniero Mecánico, Universidad de Guanajuato, México, 1984.

Maestro en Ciencias, Ingeniería Mecánica, Oregon State University, Corvallis, 1986.

Maestro en Ciencias, Física, Oregon State University, Corvallis, 1988.

Doctor en Filosofía, Ingeniería Mecánica, Oregon State University, Corvallis, 1989.

Materias:

Termodinámica, transferencia de calor

Artículos:

The storage performance of automotive cryo-compressed hydrogen vessels, Guillaume Petitpas, Francisco Espinosa-Loza, Francisco Elizalde-Blancas, Joel Martinez-Frias, Salvador M. Aceves, International Journal of Hydrogen Energy, 2019, In press.

ANN-based correlation for frictional pressure drop of non-azeotropic mixtures during cryogenic forced boiling, JM Barroso-Maldonado, JA Montañez-Barrera, JM Belman-Flores, SM Aceves, Applied Thermal Engineering 149, 2019, 492-501.

The Fill Density of Automotive Cryo-Compressed Hydrogen Vessels, Julio Moreno-Blanco, Guillaume Petitpas, Francisco Espinosa-Loza, Francisco Elizalde-Blancas, Joel Martinez-Frias, Salvador M. Aceves, International Journal of Hydrogen Energy, Volume 44, Issue 2, pp. 1010-1020, 2019.

Liquid hydrogen pump performance and durability testing through repeated cryogenic vessel filling to 700 bar, G Petitpas, SM Aceves, International Journal of Hydrogen Energy, Volume 43, Issue 39, 27 September 2018, pp. 18403-18420

Rapid high-density cryogenic pressure vessel filling to 345 bar with a liquid hydrogen pump Guillaume Petitpas, Julio Moreno-Blanco, Francisco Espinosa-Loza, Salvador M. Aceves, International Journal of Hydrogen Energy, Volume 43, Issue 42, 18 October 2018, pp. 19547-19558.

Prediction of heat transfer coefficients for forced convective boiling of N₂-Hydrocarbon mixtures at cryogenic conditions using artificial neural networks, JM Barroso-Maldonado, JM Belman-Flores, S Ledesma, SM Aceves, Cryogenics, Vol. 92, pp. 60-70, 2018.

The Potential for Avoiding Hydrogen Release from Cryogenic Pressure Vessels after Vacuum Insulation Failure, J.C. Moreno-Blanco, F. Elizalde-Blancas, A. Gallegos-Muñoz, S.M. Aceves, International Journal of Hydrogen Energy, Vol. 43, pp. 8170-8178, 2018.

Proyectos:

Almacenamiento criogénico de hidrógeno

Distribución de hidrógeno a baja temperatura

Combustión en motores de baja temperatura