

Curriculum Vitae

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University of Toledo, Toledo, OH

Ph.D. Mechanical Engineering- Heat Transfer	12/1996
M.S. Applied Mathematics	12/1996
M.S. Mechanical Engineering- Thermal Science	3/1991
B.S. Mechanical Engineering	8/1988

Professor *5/2013 to present*
*Department of Mechanical Engineering,
University of Detroit Mercy (UDM),
Detroit, MI*

- Instructed the range of courses in thermal sciences/systems and their laboratories at both undergraduate and graduate levels.
- Developed new mixed grad-undergrad course: Intermediate Fluid Mechanics; Graduate Courses: Conduction and AdTf()TTw 3.U s. e

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43. M. A. Zamora, N. Rayess and N. , "Integrated Aluminum Foam Polymer Sandwich Construction and Failure," Society for the Advancement of Material and Process Engineering Conference, Baltimore, Maryland, May 21-24, 2012.
44. N. and C.-L. Chen, "Metal-Foam Enhanced PCM Storage System: The Cylinder-in-Cylinder Geometry," Proceedings, ASHRAE Winter Meeting, Chicago, IL, Jan. 21-25, 2012.
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61. J. Hadley, N. Rayess and N. , "Mechanical Properties of Aluminum Foam-Polymer Multifunctional Hybrid Materials," Proceeding, ASME International Mechanical Engineering Congress & Exposition, Lake Buena Vista, FL, November 13-19, 2009.
62. S. Sharma, N. Rayess and N. , "Preliminary NVH Characterization of Metal Foam-Polymer Interpenetrating Phase Composites," Proceedings, ASME International Mechanical Engineering Congress & Exposition, Lake Buena Vista, FL, November 13-19, 2009.
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2. Y. Awin and N. , "Novel Bipolar Plate with Metal-Foam Flow Field for PEM Fuel

4. "Light-Weight Metal Foam Structural Components," Fo 0 Tw 4. Tc 0 Tw 20.348 0 Td(72 ()TJ0

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that could not afford to pay for them. The insulation kept people warm during cold months, conserved energy and saved on heating bills. 2006 to 2010. (UDM).

- Supervised

