



ASNT – Acadiana Section
Southwest Louisiana
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Meeting Date: Tuesday, June 12, 2018

Topic: Sheet metal forming: multiscale process for controls and strain measurement

Guest Speaker: Dr. William J. Emblom, P.E., University Louisiana at Lafayette, Department of Mechanical Engineering

The manufacturing sector is one of the broadest and largest sectors of the economy that encompassing engineering, testing, controls, and many other areas. The presentation will be on the development of a control system for stamp forming and the measurement of strains using grid deformation techniques in order to verify robust parts for automotive applications. The talk will then segue to the development of a microscale grid strain measurement system that is being used at UL Lafayette to develop improved fuel cells.

William Emblom has worked in the aerospace, automotive, and electronics industries since 1984. His recent work is in microscale tube and sheet hydroforming as well as friction stir processes. In this area he is interested in material characterization and process control in order to optimize material performance.

Meeting Schedule and Location

University of Louisiana Lafayette
Department of Mechanical Engineering
320 Rougeau Hall – Room 109-C
241 E. Lewis Street, Lafayette, LA 70503
(337) 482 – 6517

Social: 5:30 – 6:00 pm

Dinner / Technical Presentation & Facility Tour - 6:00 pm - Until

Dinner Cost - \$25.00 Cash / \$26.00 Credit Card

Student Cost - \$15.00 Cash / 16.00 Credit Card

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