



SCHEDULE:

Date: **Thursday, November 4, 2021**

Location: **Zehnders of Frankenmuth - Town Hall downstairs**

Meal: **Family Style Chicken (fried and broiled) & Livers dinner**

Tickets: **\$30.00**

6:00 PM - Social Hour

7:00 PM - Dinner

8:00 PM - Business Meeting

8:15 PM - Program

PAST CHAIRMAN NIGHT

Trends In High Pressure Die Casting Machines and Lightweight Structural Castings

SPEAKER: PAUL BRANCALEON

Paul Brancaleon, NADCA Director of Research, Education & Technology will share with us *Trends In High Pressure Die Casting Machines and Lightweight Structural Castings*. Over the past two decades high pressure die casting machines have more than doubled in size. Coupled with progress in materials and process technologies, the size and geometric complexity of die castings have increased as well as quality and performance characteristics. Today, lightweight die castings can be produced with favorable strength and high ductility for structural and crashworthy applications.



This presentation will provide an overview of progress and trends in die casting and describe structural die castings. Examples of conversions from multi-piece assemblies to single lightweight die castings, which result in time, cost, and floor space reduction benefits, will be provided. In addition, an update on additive manufacturing (AM) for die casting die components and joining of die castings by self-piercing rivets will be provided based on NADCA sponsored projects.

Presentation will begin at 8:00 PM, live via Zoom.

FOR INFORMATION CONTACT: Sue Manyen, 989-906-5061

The AFS 2021-2022 Program will be posted to the website. Mark your calendars.

Thursday, December 2, 2021

Thursday, January 6, 2022

Thursday, February 6, 2022

Thursday, March 5, 2022

Saturday, June 4, 2022

Holiday Invitational with GM Retiree Club

Metal Additive Manufacturing – Ante Lausic

Four Lakes Task Force -TBD

Student Experiences in Formula SAE Racing at SVSU

Golf Outing at Swan Valley Golf Course

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See the AFS Saginaw Valley Chapter web site for Chapter information, Foundry in a Box calendar, photos from prior events and links to our sponsors at www.saginawvalleyafs.org.

