



American Welding Society

Founded in 1919 to Advance the Science, Technology, and Application of Welding

Eastern Idaho - Montana Section 185 - www.aws.org/sections/id-mt

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January Meeting

When: Friday, January 21, 2005

Where: Various Places in Butte, Montana

12:00 pm to 1:30 pm
Tour and Presentations
Montana Tech Research Park
100 South Parkmont Road
Butte, Montana 59701

Montana Tech and its Rocky Mountain Agile Virtual Enterprise Technical Development Center (RAVE TDC) provides hands-on technical education and manufacturing prototyping, and is a partnership between Montana Tech, RAVE, Haas and King Machine Inc., which is Haas' representative in Montana and Idaho. The Forge is a Haas Technical Education Center, one of only 51 in the nation. The center is the new home to Montana Tech's robotic GMA welder, to a robotic GTAW system donated by Edwards AFB and to a computer numerically controlled (CNC) lathe and vertical mini-mill developed by Haas Automation, Inc.

2:00 pm to 5:00 pm
Tour of Advanced Silicon Materials, Inc. (AsiMI)
(hosted by Mr. Mark Danninger (AWS))

119140 Rick Jones Way
Silver Bow, Montana 59750
406-496-9898 Voice

AsiMI is a producer of high purity polycrystalline silicon and silicon gases for the integrated circuit industry. They operate high temperature pressure vessels and piping containing hydrogen, chlorosilanes, and silane gases and liquids. They weld Incoloy 800 and 825, Hastelloy C-276, Ferralium 255, a variety of austenitic stainless steels, and carbon steels both manually and automatically (orbital welding). Our welding technicians are certified to ASME IX and AWS D1.1.

AsiMI conducts in-house pressure testing and NDE for structural and process equipment welding and process equipment Mechanical Integrity using UT, UTT, PT, VT. RT, AE, and ET is conducted by a contractor. Our NDE technicians are certified in accordance with ASNT-TC-1A.

They are one of the only employers in the state of Montana with a VR Stamp (pressure relief device repair authorization) and an R-Stamp (pressure vessel repair authorization), administered through the National Board of Boiler and Pressure Vessel Inspectors.



6:00 pm to 8:00 pm
Dinner Meeting and Presentation:
Development of the Manufacturing Engineering Curriculum at Montana Tech
by Richard Donovan/Bruce Madigan

Pintler Room, Student Union Building
Montana Tech Campus
1300 West Park Street
Butte, MT 59701

for dinner: **RSVP** Bruce Madigan by January 17
406-496-4576 bmadigan@mtech.edu

AWS National
550 N.W. LeJeune Road, Miami, Florida 33126

800-443-9353
www.aws.org

Directions to Student Union Building, Montana Tech

From ASiMI, take I-15/I-90 North-West to Butte, exit I-15/I-90 at Montana Street

Go north on Montana Street to Park Street, turn west (left) on Park Street: Park Street ends at Montana Tech

The Student Union Building is the second building on the left after the Marcus Daley statue; parking is available further on Park Street just past the library on the right

Dinner will be a buffet at about \$12 per guest, I will need a body count by Jan 17, 2005)

Directions to ASiMI (see map, other side)

From the center of Butte, take I-90 West/I-15 South (toward Anaconda/Missoula) and drive west about 10 miles towards Idaho Falls, I-15 South.

Take Exit 121 onto Interstate 15 South.

Take Exit 119 (Hub Access Silver Bow) and turn right at the stop sign.

Proceed over the bridge and take the first left turn, Rick Jones Way, as indicated by the ASiMI V-2000 sign, continue along Rick Jones Way 1.8 miles to the ASiMI plant.

Guest parking is located near the Commons building; please check in with the receptionist in the lobby.

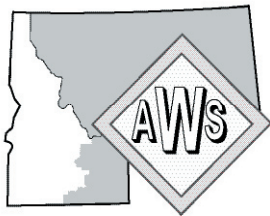
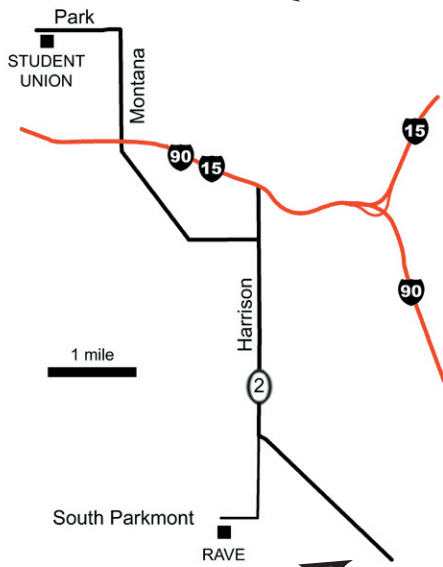
Directions to the RAVE Creativity Forge

From the center of Butte on I-15/I-90, take the Harrison Avenue South Exit 127A (MT Route 2)

Go south on Harrison Ave about 5 miles (past the Airport on the left, past Walmart on the right, past the Montana Tech College of Technology on the right), turn right on South Parkmont road (there is a Fed Ex building just before South Parkmont, and a small Montana Tech Research Park sign at the corner of South Parkmont and Harrison)

Go west on South Parkmont approximately 0.5 mile, turn left at the first drive into the Montana Tech Research Park.

The three buildings to the right are the RAVE Creativity Forge; walk into the first building



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274 E. 24th St.

Idaho Falls ID 83404