



## Montana Section News

### November, 2006 Chair's Message

Doug Galarus

Last month was a busy one for the Montana Section. We had two section meetings including a workshop conducted by Carl Selinger, author of "Stuff You Don't Learn in Engineering School: Skills for Success in the Real World" (Wiley-IEEE Press). Carl's presentation was well-received by members, non-members and students. In the picture below, you'll see Carl addressing the challenge of setting priorities and managing your time:



Talk about managing your time, Carl's trip was an example of time-management in action. Barely minutes after getting off the plane, Carl and his wife, Barbara, headed directly to the Montana State University Campus to speak to Dr. Rob Maher's Engineering 125 Course: Technology, Innovation, and Society. Carl and Barbara then enjoyed the weekend in Yellowstone and Grand Teton, and hurried back to Montana to visit the Western Montana Section in Butte on Monday. After that presentation, they returned to Bozeman for a presentation to the Western Transportation Institute, followed by the seminar for IEEE on Tuesday evening.

Special thanks go to the IEEE PACE and M-PAC programs, as well as the Western Transportation Institute for funding Carl's trip. He certainly maximized the use of his time here and all involved benefited, particularly the Montana Section. Thanks, Carl! I think we all found new ways to improve our soft skills.

**We need volunteers.** Elections are just around the corner. If you're interested in serving as an officer, would like to volunteer in some other capacity, or would like to nominate a colleague for an officer position, please send me an email and/or come to the November section meeting. At the November meeting, we'll accept nominations for elected positions within the Montana Section.

**Humor of the Month** - A Baptist Preacher was seated next to a cowboy on a flight to Texas. After the plane took off, the cowboy asked for a whiskey and soda, which was brought and placed before him. The flight attendant then asked the preacher if he would like a drink. Appalled, the preacher replied, "I'd rather be tied up and taken advantage of by women of ill-repute, than let liquor touch my lips." The cowboy then handed his drink back to the attendant and said, "Me too, I didn't know we had a choice."

### November Section Meeting

Thursday, November 9, 2006, 6:30 PM

@ Cobleigh 429 on the Montana State University Campus

**Dr. Phil Himmer, Director**

Montana Micro Fabrication Facility  
Electrical and Computer Engineering Dept  
Montana State University

**"MEMS research at the Montana  
Microfabrication Facility"**

### Life Member Meeting

If you're a Life Member, join the group at 6:15 p.m. just before the Section meeting on the 9<sup>th</sup>.

### Section Officers

Chair	Doug Galarus	<a href="mailto:DougGalarus@ieee.org">DougGalarus@ieee.org</a>	994-5268
Chair-elect	Richard Wolff	<a href="mailto:rwolff@ece.montana.edu">rwolff@ece.montana.edu</a>	994-7172
Secretary	Jason Daughenbaugh	<a href="mailto:jasond@ieee.org">jasond@ieee.org</a>	585-8892 x15
Treasurer	Arlyn Selting	<a href="mailto:arlyn@ieee.org">arlyn@ieee.org</a>	522-8118
GOLD Chair	Calvin Coopmans	<a href="mailto:Coopmans@gmail.com">Coopmans@gmail.com</a>	
Webmaster & Membership Development	Jon Koon	<a href="mailto:Jon.koon@advanced.pro">Jon.koon@advanced.pro</a>	585-8892 x13
MSU Student Branch Advisor	Rob Maher	<a href="mailto:rmaher@ee.montana.edu">rmaher@ee.montana.edu</a>	994-7759
SM Nominating Committee Chair	Don Pierre	<a href="mailto:Pierre_Don@ieee.org">Pierre_Don@ieee.org</a>	587-4065
Moose Call Editor & LM Group Chair	Bill Jameson	<a href="mailto:b.jameson@ieee.org">b.jameson@ieee.org</a>	586-0280

# IEEE

November Montana Section Meeting

**Dr. Phil Himmer**

**Director**

**Montana Micro Fabrication Facility  
Electrical and Computer Engineering Dept  
Montana State University**

## **"MEMS research at the Montana Microfabrication Facility"**

The Montana Microfabrication Facility (MMF) at MSU-Bozeman is a cleanroom laboratory that supports micro-device fabrication. The facility provides access to microfabrication equipment for both academic and commercial users for use in research, prototype development and teaching. This talk will introduce microelectromechanical systems (MEMS) fabrication and present several ongoing projects as a means to demonstrate some of the available MEMS fabrication processes and introduce equipment available at MMF. The status of the Microfabrication facility at MSU will also be presented, discussing the present and future capabilities of this facility.

**Thursday, November 9th, 6:30 p.m.**  
**at Cobleigh 429**

**#10 on the map to the right**

**On the Montana State University Campus**



**Free pizza & pop**

Please call Doug Galarus at 994-5268 (or e-mail: [DGalarus@coe.montana.edu](mailto:DGalarus@coe.montana.edu)) or sign up via the Section website <http://ewh.ieee.org/r6/montana> , to make reservations by noon, November 8th.