



# Milwaukee Section Newsletter

November 2010

## Rapid Product Development Exposition & Student Grant Challenge University of Wisconsin - Milwaukee

SAE Student Chapters of the Milwaukee Section  
Marquette, Michigan Tech, UW-Madison and UW-  
Milwaukee, MSOE, Northern Michigan University  
Tuesday November 16th, 2010



*Keynote by Gerhard Maier – Control Systems Inc.*

Printing and distribution of this newsletter is sponsored by **Ken Cook Co.**

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**Opening Address:**



The night's opening address will be delivered by Gerhard Maier – President of Control Systems, Inc. (CSI). Since 2000, CSI has provided electronic control solutions and engine development services to O.E.M. customers. This includes electronic governing, ignition and air/fuel ratio controls for gasoline, gaseous fuels, and diesel engines.

Applications using CSI electronics range from single cylinder utility engines to V-8 marine power plants. They have developed customer specific controllers for generator sets, golf carts, lawn snowmobiles, lift trucks, welders, on-road equipment, unmanned military aircraft, etc.

CSI also offers engine development, emissions and durability testing services for <19kW engines. This includes g/hp-hr emissions testing via CVS tunnel, as well as EPA/CARB cycle durability testing. Mr. Maier is a graduate of Universität Stuttgart

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**About Milwaukee Section Student Grant Challenge –**

Once again, the Milwaukee Section of the Society of Automotive Engineers is proud to sponsor the development of student engineers through Student Chapter activities and SAE Student Design Competitions. The Milwaukee Section Board is interested in all efforts to make SAE Student Chapters and Clubs vital to lifelong learning, their colleges and industry.

The Grant Challenge will recognize SAE student competitions, strategic planning, leadership development, membership development, student programs, student papers and technical achievements. Total awards will be at least \$6000. Your participation in this meeting will influence how the awards will be distributed to our student chapters.

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**Section Sponsors and Contributors to this month's meeting:**



Drive-by-wire  
Injection  
CAN bus  
J-1850 bus



### **About Rapid Product Development Exposition –**

The SAE Milwaukee Section Rapid Product Development Exposition is a showcase of technologies and processes used to support many local and Fortune 500 businesses. By attending the Exposition you can gain firsthand knowledge of the latest rapid product development technologies from industry experts and explore how these technologies can help you and your business succeed in these challenging economic times. The product development vendors will be displaying their technologies and are supporting our Student Chapters through their generous donations of sponsorship fees. Your attendance at the Exposition will represent a solid sign of appreciation for their support of SAE... ***Be There!!!!***

## **SAE-Milwaukee Industry-University Rapid Product Development Technology Exposition**

**November 16, 2010  
UW - Milwaukee  
Student Union – Ballroom  
2200 East Kenwood Boulevard  
Milwaukee, WI 53211**

### **Exposition Schedule:**

2:00PM – 3:00PM Exhibit Set up  
3:00PM – 4:30PM Exhibits, Hors d'oeuvres  
4:30PM – 5:30PM Social in exhibit area

### **Dinner & Meeting Schedule:**

5:30PM – 6:15PM Dinner  
6:15PM – 8:00PM

- Keynote Address by: **Gerhard Maier, President of Control Systems, Inc.**
- Student Chapter Presentations
- Collegiate Design Series awards

### **Featured Companies at the Rapid Product Development Exposition –**

Midwest Composite Technologies  
Clinkenbeard  
Graphics Systems  
Synerject  
Control Systems, Inc  
Generac Power Systems  
FIRST Robotics team – CORE - #2062  
Professional Engineering Placements

*(plus others to be listed in later electronic editions!)*



# Dinner and Presentations at the UWM Ballroom

Menu: Italian Buffet. This includes vegetarian lasagna, meat lasagna, tortellini with creamy pesto sauce and chicken cacciatore. And is served with antipasto platter, Ceasar salad, fresh fruit, hot garlic bread or breadsticks, coffee and lemonade.

**Registration deadline: Sunday November 14, 10:00 p.m.**

- - - **Program Details** - - -

|                           |                         |                             |              |
|---------------------------|-------------------------|-----------------------------|--------------|
| <b>Exhibition/Social:</b> | <b>3:00 – 5:30 p.m.</b> |                             |              |
| <b>Registration:</b>      | <b>4:00 – 5:30 p.m.</b> | <b>SAE Members/Retirees</b> | <b>20.00</b> |
| <b>Dinner:</b>            | <b>5:30 – 6:15 p.m.</b> | <b>Guests</b>               | <b>25.00</b> |
| <b>Presentations</b>      | <b>6:15 – 8:00 p.m.</b> | <b>Students</b>             | <b>10.00</b> |

Registration can be completed online via <http://milwaukee.sae.org>

Retirees, students and members without web access may register by phone on the SAE Registration Coordinator – Jim Ryan (262) 636-1634. Note new registration number!

***Directions to UWM Ballroom –***

***2200 East Kenwood Boulevard***

Parking is available at the Zelazo Center or across the street under the Student Union (Fee). Regulations on the street parking are 1 hour time limit until 9:00PM.

***From the West***

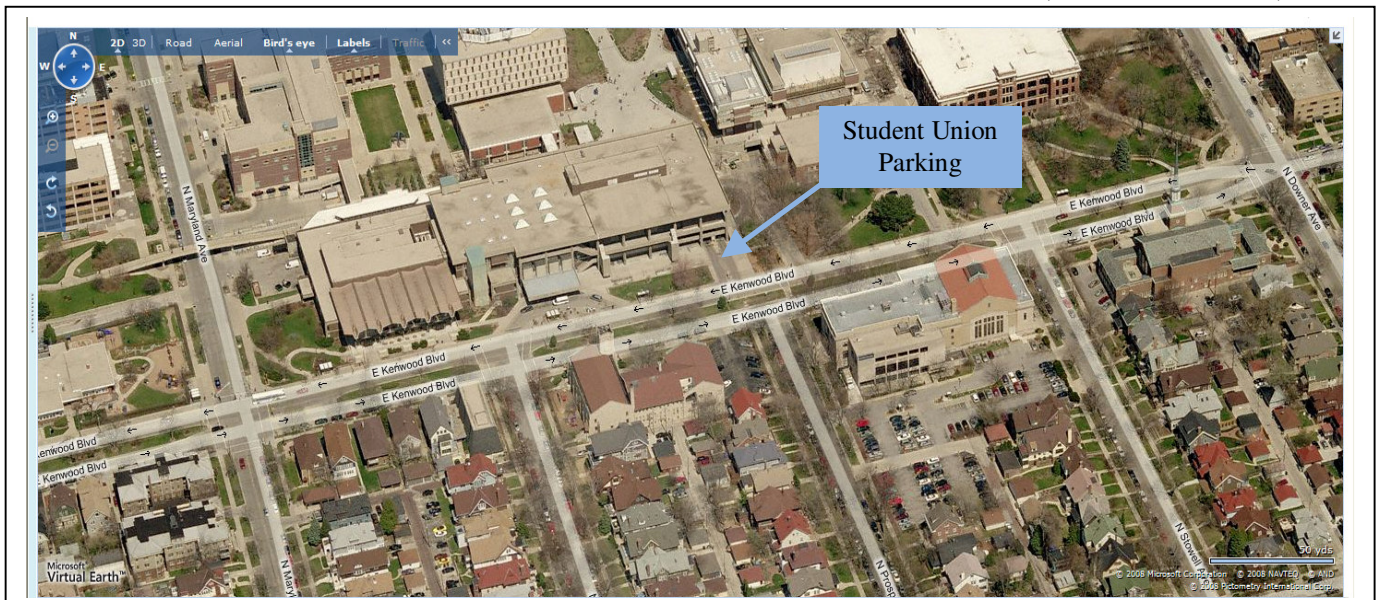
1. Take I-94 East towards Milwaukee
2. Follow North on I-43 (Green Bay)
3. Exit Locust Street (Turn R on Locust)
4. Turn L on Prospect Ave.

***From the North***

1. Take I-43 South toward Milwaukee
2. Exit Locust Street (Turn L)
3. Turn L on Prospect Ave.
4. Go N for two blocks

***From the South***

1. Take I-94/I-43 North toward Milwaukee
2. Continue North on I-43 (Green Bay)
3. Exit Locust Street (Turn R on Locust)



## Milwaukee Section 2009-2010 Governing Board

### **CHAIRMAN:**

James Ryan  
Modine Manufacturing Company  
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*OPEN POSITION*

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### **AWIM / EDUCATION:**

*OPEN POSITION*

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### **STUDENT REPRESENTATIVE:**

Marquette University: *OPEN POSITION*  
UW-Milwaukee: Mitch Crawford

### **MSOE: Alex Zelhofer**

Dear Section Members and Friends,

We welcome you to the Rapid Product Development Exposition and Student Night meeting at the University of Wisconsin Milwaukee. Thanks to Mitch Crawford of the UWM SAE student chapter, Mike Krauski and Bernard Krauska for helping to prepare this program.

The theme of the meeting will connect rapid product development and the activities that challenge our student members in the Collegiate Design Series. We invite your company to participate in the event by hosting a display exhibit at the meeting in exchange for a monetary donation or gift in kind. The donations will be awarded to the student chapters.

Thanks to Briggs & Stratton employee Doug Kautzer and Governing Board member for coordinating the October Section meeting. Briggs and Stratton was an excellent host. We appreciate the opportunity to learn more about how the outdoor power equipment industry works within their organization and learn innovative solutions to small engine packaging and electronic fuel management. Briggs and Stratton is an excellent host and contributor to the Milwaukee Section.

Thanks to the students at MSOE for hosting our registration table. The Milwaukee Section donated 100.00 to their student chapter. The November meeting registration will be hosted by students at the Waukesha Engineering Preparatory Academy FIRST Robotics Team – CORE2062.

The Milwaukee Section Governing Board meeting minutes will soon be posted on our website. Please stay engaged with our mission and find new ways to contribute to our vitality.

Happy holidays – there will be no December meeting. Be sure to visit the Milwaukee Section website at [www.milwaukeeesae.com](http://www.milwaukeeesae.com) to check for regular updates.

Best regards,  
Jim Ryan  
Chairman – Milwaukee Section



**Douglas Kautzer**  
**Briggs and Stratton Corporation**  
**PO Box 702**  
**Milwaukee, WI 53201**

Each of these sponsoring companies have provided gifts in kind or financial sponsorship:

**MATTECH** Precision Machining

Milwaukee, WI



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