



American Welding Society  
DETROIT - SECTION 011



May 2015

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## Technical Event – Award's Night 2015 Thursday, May 14, 2015

Location: **CenterLine (Windsor) Limited**

**\*\*Special Machinery Division\*\***

**415 Morton Drive, Windsor ON N9J 3T8**

The Technical Event for May 2015 is the annual Detroit Section Award's Night, where we acknowledge those individuals who have distinguished themselves in the local welding industry and who have gone above and beyond in their service to the AWS Detroit Section.

The May meeting will be a combined meeting between the AWS Detroit Section and the Canadian Welding Association – Southwestern Ontario Section. CenterLine (Windsor) Limited will be hosting the event, their facility being within minutes of the Detroit/Windsor border. This will be the first time on record that a Detroit Section event is hosted in Canada. CenterLine's Larry Koscielski, Senior Strategic Technical Advisor and Dan Cabanaw, Senior Account Manager, will cover

the technical content for the evening with a presentation focused on the complexity of modern fastener welding. This will be followed by a detailed facility tour.

CenterLine (Windsor) Limited is a Canadian based, privately held, corporation specializing in advanced automation processes and technologies that satisfy resistance welding, metal forming and cold spray application needs. It is a vertically integrated enterprise with product offerings ranging from welding consumables to fully automated production systems. With nearly 60 years of business experience, CenterLine supplies technologies and processes that assist its customers in maintaining their competitive advantage.

*"Technical Event" continued on page 2.*

### SPECIAL NOTES

Individuals who attend will **require a passport or enhanced driver's license to cross the border.** CenterLine will be raffling an Apple iPad mini among those in attendance as a part of the evening's events. **Please be advised that CenterLine has three facilities located on Morton Drive in Windsor.** The facility hosting the event is CenterLine's Machinery Division located at 415 Morton Drive. It is the last facility on the left hand side as you travel down Morton Drive. **A Google Map link:** <http://tiny.cc/ywf4wx>. see map on page 2.

### AGENDA

- 5:30-6:00pm – Welcome Reception & Networking
- 6:00-6:45pm – Opening Remarks (AWS/CWA) & Meal
- 6:45-7:00pm – AWS Awards – Mike Karagoulis
- 7:00-7:30pm – CenterLine Technical Presentation
- 7:30-8:00pm – CenterLine Facility Tour
- 8:00pm – Adjourn

**CHARGE** This is a no charge event – free to all who attend.

**RSVP** reservations required by Tuesday, May 12, 2015. Contact Susann Morfino:  
Email: [susann@mjmsales.com](mailto:susann@mjmsales.com)  
Phone: (586) 443-8333

*Disclaimer: AWS Technical nights are open to everyone! We encourage that members bring students and non-members to learn more about our organization and industry.*

May 2015

This Issue of the Bulletin  
can be viewed on the web at  
[awsdetroit.org](http://awsdetroit.org)



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## Dan Wellman

### Chairman's Message

As I reach the end of my term, Thanks!!! To all of the members of the Detroit Section and District 11 for making my term as Chairman so rewarding. I would especially like to thank the Executive Board and the volunteers for their service; it is through all of their hard work the Detroit Section succeeds!

Our Section is one of the most active in the world; we do more, teach more and help more students than any other Section. Being part of the Detroit Section is special, and it's been a pleasure to serve.

I will pass the Chairmanship over to Wes Doneth, a very competent individual and I'm sure he will enjoy the same support and enthusiasm I received from the section members. This is your Section, come out and show your support!!

Thanks Again!

## Technical Event – Award's Night 2015

*Submitted by Michael Karagoulis, Ph.D.*

The May technical meeting also doubles as our Detroit Section Awards night, when the following **Section Appreciation Certificates** will be awarded.

- **Don Maatz** – for excellent leadership of SMWC vendor display committee
- **Susann Morfino** – for excellent leadership of SMWC vendor display committee
- **Ashley Webel** – for outstanding leadership of High School Welding Competition
- **Glen Knight** – for longstanding commitment and leadership of the High School Welding Competition
- **Robin Michon** – for making our e-Bulletin a reality and a success
- **Rod Bereznicki** – for continuous improvement of our Section website
- **Eric Lichtfusz** – for record results leading our 2014-2015 Patrons Committee

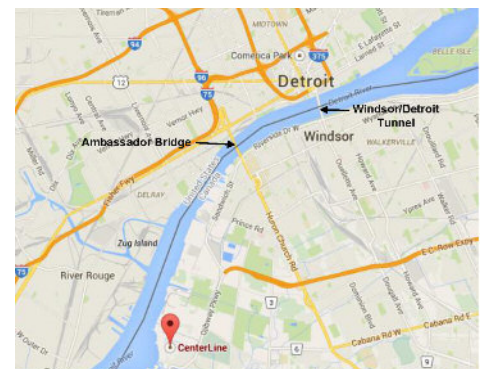
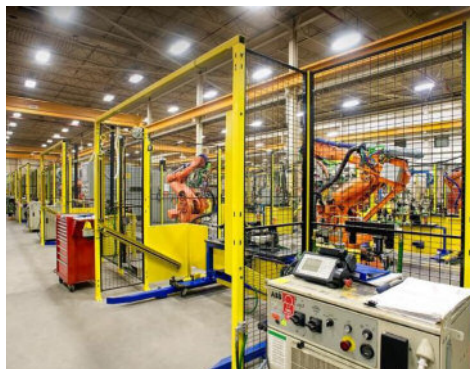
Look for more awards and honors at future meetings.



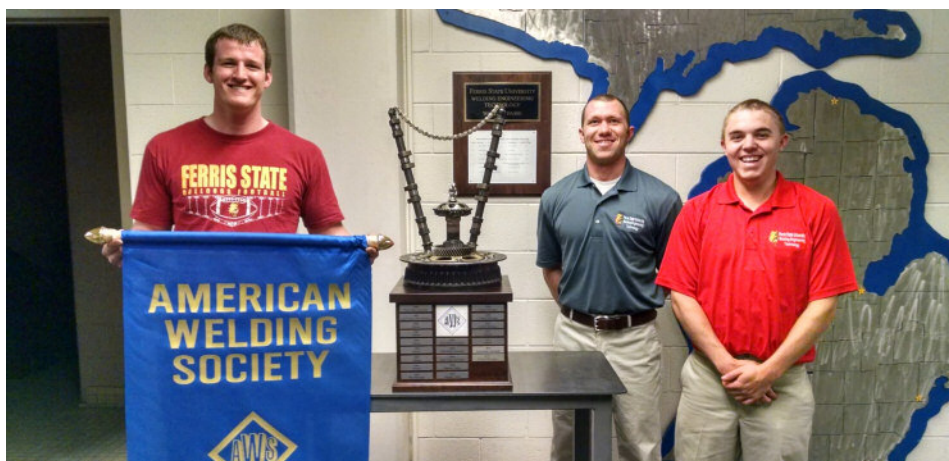
## CenterLine (Windsor) Limited

**\*\*Machinery Division\*\***

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## Results for Quiz the Experts!

On April 13, 2015, the annual District 11 "Quiz the Experts" event was held at Tony M's in Lansing Michigan. Quiz the experts is a battle of the minds, placing Wes Doneth, Nate Miller and Tyler Alexander of the Detroit Section up against competing teams from AWS District 11. Detroit, Central Michigan, Western Michigan, Ferris State and Saginaw Valley were all able to field teams of three (or four) for the competition.

Forty tough questions were prepared by Professor Jeff Carney of Ferris State University, covering a diverse range of welding related topics. All of the teams put forth a valiant effort, but when the dust settled, the students from Ferris State; Jacob Hamilton, Paul Otto and Cody Tohm, upset last year's champs from Central Michigan to take the win and the massive trophy that goes along with it.

Looking forward to next year, everyone needs to start thinking of their questions now, as members are always encouraged to take some of the burden off Professor Carney and submit questions for the quiz.

## Executive Committee Election

*Submitted by Dave Beneteau*

We would like to thank the Detroit Section members who participated in the 2015/2016 Executive Committee election and provided feedback on the on-line voting process. The 26% increase in ballots returned was one of the benefits we were hoping for when making the transition away from mailed paper ballots. A report provided by AssociationVoting of Howell showing the date and time ballots were cast, suggests the on-line process meshed well with busy schedules.

Though several additions and corrections to email bounces were made to facilitate member participation, the timing of the election announcement postcards could have been better. Thank you to those who took the added effort to work through these issues. Next year, we will move the mailing date forward a couple weeks to provide an added buffer for postcard printing and mail delivery delays. If you have any comments or suggestions to improve the process for next year, please send an email to [secretary@awsdetroit.org](mailto:secretary@awsdetroit.org) or contact the Section office.

Lastly, we would like to sincerely thank all the members who accepted nomination for the election. The 2015/2016 Executive Committee consists of 25 voting and 10 non-voting members who will enthusiastically donate their time to ensure more than 1,000 members of the Detroit Section have opportunities for networking and education. Their efforts and your participation and support will ensure the Detroit Section will build on its 90 year history of leadership in the American Welding Society.

## Upcoming Events

See our [website](#) for a complete listing.

May 13, 2015

**Great Designs in Steel - 2015**  
Steel Market Development Institute  
Laurel Manor, Livonia

May 15, 2015

**AWS Detroit High School Welding Competition**  
AWS Detroit Section  
Washtenaw County Community College, Ann Arbor, MI

June 1, 2015

**AWS District 11 - District Meeting**  
AWS District 11  
Lansing Community College - West, Lansing, MI

June 1-3, 2015

**Advanced Lasers Application Workshop (ALAW)**  
FMA  
The Inn at St. John's, Plymouth, MI

June 2-3, 2015

**National Robotic Arc Welding Conference - 2015**  
AWS Milwaukee Section  
Milwaukee Area Technical College

July 27, 2015

**AWS Annual Golf Outing**  
[click here for e-mail notifications](#)



**T. J. SNOW**

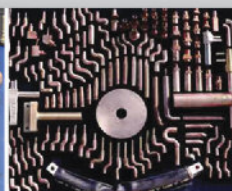
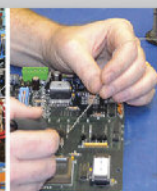
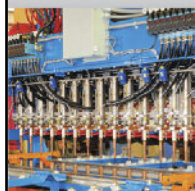
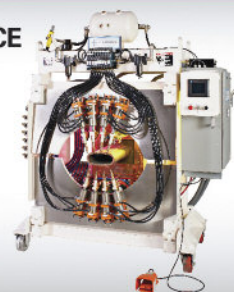
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## Ladies Night – Recap



The AWS-Detroit section's annual Ladies Night party was March 28th, 2015 at the Detroit MGM Grand.

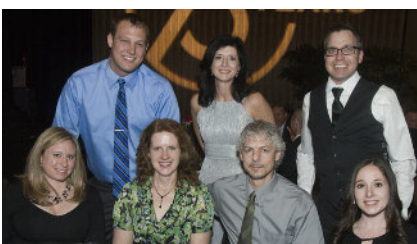
This annual event has been an important activity for the AWS Detroit Section for 75 years and affords a unique opportunity for the welding community to come together and celebrate the achievements of our industry. Most importantly, funds raised from the evening gala are used to support the AWS-Detroit Section Scholarship program. Since its inception, the Detroit Section of the AWS has contributed well over \$750,000 to scholarships for students pursuing a career in welding.

First Vice Chairman of the AWS-Detroit Section Wes Doneth acted as Host and MC. He was joined by David J. Landon, AWS-National President and Bryan Barnhill, the Chief Talent Officer for the City of Detroit and over 425 other likeminded welding professionals that allowed the section to add over \$10,000 to its scholarship fund.

The event also highlighted the other educational aspects of the section, including the formation of the first AWS-student chapter in the City of Detroit at GoLightly Vocational Center and the section's annual High School Welding Contest.

Some of the pictures from the event are here in our bulletin, but to view all the pictures from the event, including the "red carpet" pictures, please visit our website at [www.awsdetroit.org](http://www.awsdetroit.org) and go to the events tab. The event photos are located on the right hand side.

Thank you to the Ladies Night Committee and all of you who helped make this a most enjoyable evening!





## Editor's Note

*It's May and we are almost through our season! I hope you had the chance to join us for the 75th anniversary Ladies Night celebration. As always, it was an excellent event and there was a great turnout.*

*Hopefully, you'll get a chance to make it out to one of our final technical meetings of the year, and/or join the Detroit section at the annual golf outing in July.*

*We have a surprise for you! Typically, we end our season in May and pick up in September with the AWS Detroit section e-bulletin. Next month, we will have a small June issue. Look for more information on the upcoming golf outing, and some highlights from the April education meeting and the May technical meeting. Fall will see us bring back our "Ask the Weld Engineer" column, as well as our "Meet our Members" column.*

*So, until next month, remember to ~ "Keep On Welding!"*

*~ Robin*

## May Hotline

### Are You Ready to Cross an International Border?

*Submitted by Tyler Alexander of CenterLine (Windsor) Limited*

#### Awareness Notice for May 14 Detroit Section Technical Night at Centerline Windsor Limited

On Thursday May 14, 2015, CenterLine Windsor Limited will be hosting a Detroit Section Technical Night at their Facility in Windsor, Ontario, Canada. This will be a very special event as it will be the first time that a Detroit Section Technical meeting will be held in Canada. For those who plan on attending, make sure you take the time now to arm yourself with the correct documents for border travel. US citizens are advised to **bring a valid passport or enhanced driver's license in order to enter Canada.** Failure to provide legal proof of US citizenship will likely result in denied entry.



### AWS Conducting Beta Exams for CRWT Program

Now in its beta-testing phase, the Certified Resistance Welding Technician (CRWT) is the newest Certification to be introduced by the AWS. The Detroit date is Oct 24, 2015. For more information, go to: <http://aws.org/rwma/crwt.html>.



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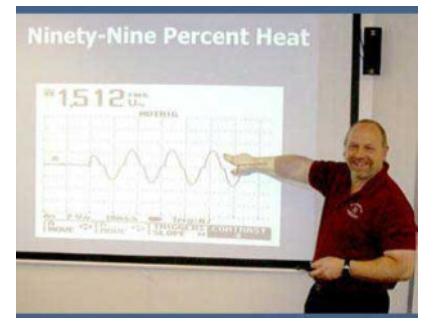


**It's Time  
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**Our One (1) Day Resistance Welding Seminar  
Is Coming To Grand Rapids**

**WHEN:** Wednesday, May 20, 2015  
8:00 AM - 5:00 PM

**WHERE:** Hampton Inn & Suites  
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### Full-Time Instructor of Welding Technology Position Available at Monroe County Community College

A full-time position, responsible for teaching welding classes in the AAS Welding program in the Applied Sciences and Engineering Technology Division (ASET) of the College is available with a start date in the Fall of 2015. The location is in Monroe, Michigan.

A Baccalaureate Degree or equivalent in the Industrial Technology/Engineering areas is required. A Master's Degree is preferred. A minimum five years of work experience in the welding field is also required.

*Hotline continued on page 7*





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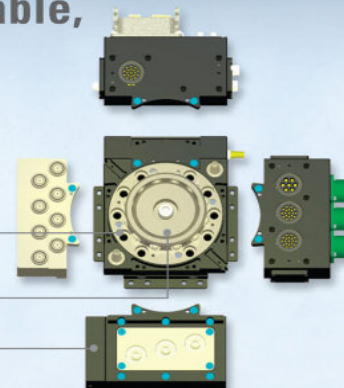
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## May Hotline continued from page 4

The base salary of \$57,660 is negotiable based on education and experience. Health, dental, vision, and other benefits are available.

Interested candidates should submit a letter of interest, resume, two letters of recommendation, MCCC completed application for faculty and administrative positions, and academic transcripts to Mr. Parmeshwar Coomar; Dean of Applied Sciences and Engineering Technology Division; Monroe County Community College; 1555 S. Raisinville Road; Monroe, MI 48161, [pcoomar@monroeccc.edu](mailto:pcoomar@monroeccc.edu). For details go to: <https://www.monroeccc.edu/jobs/jobpostings.htm>



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## Great Designs In Steel 2015 Is Coming On May 13

Great Designs in Steel 2015 is coming to the Laurel Manor Conference Center, Livonia, Michigan on Wednesday, May 13, 2015 from 7:00 a.m. – 4:45 p.m. Great Designs in Steel is the premier forum for the latest trends and applications in automotive steel technologies. This multi-track program features technical presentations on new steel technologies including AHSS, automotive safety and manufacturing technologies.

For more information and registration, click on the following link: [Register Here Today!](#)

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Email: [marc.levesque@cntline.com](mailto:marc.levesque@cntline.com)

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## CenterLine Re-qualified in 2014 to Maintain Status as a Best Managed Company

On March 10, 2015, CenterLine (Windsor) Limited announced that as a winner of Canada's Best Managed Companies program in 2013 that it has requalified in 2014 to maintain its status as a Best Managed company. This prestigious national award is sponsored by Deloitte, CIBC, National Post, Queen's School of Business and MacKay CEO Forums.





***Hello, and welcome, Dave! Thank you for being our MAY 2015 Meet our Members interviewee. Please tell us a little bit about yourself.***

Hello, My name is Dave Sarakun. I am a Welder at KUKA Systems North America in Sterling Heights, MI. I'm also an AWS CWI inspector and CWE educator. I am so blessed to be doing what I enjoy, AND getting paid for it! I work for a wonderful company with great friends, co-workers and management.

***Wow, that is so great to hear. Is there anything you dislike about your position?***

I dislike having to reject a weldment for need of repair, when I know that the welder is fully capable of producing code quality work. I also dislike needle scaling at 5 am, and under-filled craters!

***So Dave, tell us please, why did YOU join AWS?***

I joined the AWS back in 1980 during training at Chrysler Weld Tech. My instructors, Glen Knight and Tom Soley encouraged me to become a member.

***Do you have a favorite AWS event?***

Usually, I enjoy the first tech meeting of the season and the scholarship awards.

***Ok, so we know that you enjoy your work, but what do you enjoy outside of work?***

Outside of work, I enjoy spending time with my wife, Eunice, and my children Kelli, Zak, Hanna, Josiah and their spouses and friends. I love my God & Savior, Jesus Christ. I am a member of a healthy, rock solid, Bible strong church family at Cornerstone Baptist in Roseville, Michigan. I also enjoy motorcycling with my wife and kids as well as working in my barn and in my garden.

***Would you like to share with us a funny moment or story relating to your welding training or career?***

While in training at Weldtech, my instructor, Tom Soley was lecturing about GTAW shielding gases. I sincerely asked a question stating, "If I put helium in the tires of my 1977 Yamaha TT500 dirt bike, would I be able to jump higher and farther?" He thought I was being a smart alek, trying to embarrass him. It brought laughter and smiles to our friendship throughout our lives, right up until he went home to Christ, this past December 2014.

***If you had to share with us one thing that is near and dear to your heart, what would you respond?***

I'd say the gospel according to Jesus Christ is nearest to my heart.

***Do you get the opportunity to mentor, and/or is there someone who you feel has been a great mentor to you as a welder?***

Oh, I get the opportunity to mentor in my field all the time. Currently, I have three guys, Chad, Chris, and Steve, who I mentor in the welding field. And, I would have to say, that Tom Soley was a great mentor, who became a lifelong friend to me.

***Dave, how did you get started in welding?***

My earliest memories of welding were watching my dad OAW weld with an oversized cutting torch. It still brings a smile to my face when I recall him saying, "Go ask your mother for a coat hanger and sunglasses. We got to weld this up." When I was 14



*Working on a concrete paving machine with friends, Roger and Scott, from Vulcanmaster Co. in Detroit, MI on I-75 at 3 a.m., circa around 1991.*

years old, my mom and dad gave me a Lincoln 225 AC Arc Welder for Christmas. It was one of the best gifts I have ever received. I scrounged all the scrap metal I could find to practice and fabricate. I bought my first 7" Milwaukee Grinder when I was 15 years old, with money from my paper route. It was a lot of fun. Soon, all the kids were bringing me their bikes, lawnmowers, projects – anything that needed repair. My friend, Brian Szpunar and I built a dune buggy with a tubular racing frame at age 16. I welded the whole thing with 3/32 EG013 rod on AC with my Lincoln 225AC.

***Wow that is quite the introduction to welding. Do you continue to use your welding skills outside of work today?***

Yes, all the time, for fab projects and repairs for neighbors and friends.

***Let me ask you, what do you see as the biggest challenge for welders in the future?***

I see the biggest challenge would be to continue improving their skills to become excellent craftsmen, and not get cynical and complacent.

***What would you tell someone who may be "on the fence" about getting into welding as a career?*** Just do it!

***Would you encourage more schools (both high school and junior high) to encourage more young people to look into technical schools and jobs and not just degraded positions?***

Yes, definitely. We have a shortage of skilled and excellent craftsmen.

***Finally, if you weren't involved in the welding industry, what would be your dream job?***

If I wasn't a welder, my dream job would be to be a missionary, using my knowledge and skills to live out the gospel.

***Well, that's the end of our interview with Dave Sarakun and our final Meet our Members articles for the 2014/2015 AWS season. I'd like to thank Dave for taking the time out of his busy schedule to share with us some of his life and experiences as a welding professional and AWS member.***



# Ask the Welding Engineer

By Donald F. Maatz, Jr.

**Q:** ***“A review of the RWMA manual or AWS C1.1 reveals weld schedules for stamped projections in sheet metal, but nothing for the coined weld nut for our application. What is the reason that coined weld nut projection welding schedules are not available like spot welding schedules?”***

**A:** *To help answer this question, I have reached out to fellow AWS-Detroit Section Executive Board member Tyler Alexander of CenterLine (Windsor) Ltd. Tyler is the Lab Manager at their Special Machinery Division.*

“The resistance spot welding of sheet metal is a very mature process with a great deal of research and associated history. As a result, we have proven and well-documented welding schedules for various sheet metal and electrode configurations

The resistance welding of forged or coined projection weld fasteners (fastener in this context indicates all manner of solid, formed projection weld parts, including weld studs, weld nuts, etc.) is similar to the resistance spot welding of sheet metal in that it is a process that uses the heat generated by the passage of current through predetermined points or projections.



Coined Weld Nuts

The resistance welding community, which thrives on the standardization provided by the spot welding schedules at its disposal, is currently lacking a robust set of welding schedule guidelines for the resistance welding of forged or coined projection weld fasteners. There are several reasons for this. Key among them is the fact that available data is typically based on a particular welded fastener being welded to a specific base material, in other words, a part specific application. The issue with part-specific data is that it is not readily accessible to the resistance welding community and individuals on the plant floor attempting to weld a forged projection fastener do not have the benefit of the good ‘starting point’ that is often afforded by the spot welding schedules.

The primary reason for the difficulty in finding a solution to the lack of a standardized projection welding schedule is the large number of variables that must be accounted for. Items associated with the fastener that must be considered include the material and projection volume, geometry and number. Also, factors such as substrate thickness, strength and coating all must be taken into account. As an example of this complexity I only needed to open my desk drawer to find several different types of weld nuts. My guess is that many other folks in the resistance welding community have a similar collection (see Figure-1). All of the above mentioned items are known within the resistance welding community; however a solution to this issue has so far been elusive.”

If you have more questions about this topic, Tyler can be reached at: CenterLine (Windsor) Ltd.; Special Machinery Division; 519-734-8464 - Ext 4476;

Email: [Tyler.Alexander@cntrline.com](mailto:Tyler.Alexander@cntrline.com)

#### References:

- 1) Resistance Welding Manual, revised 4th Edition
- 2) AWS C1.1:2012

**Send your questions to Don Maatz at [dmaatz@reautomated.com](mailto:dmaatz@reautomated.com) – subject line: ‘Ask the Welding Engineer’**

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## Patron's Fund

by Eric Lichtfusz

As the Patron's Committee Chair, I would like to thank those generous companies and individuals who have contributed so far to the fund.

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