

MATERIAL ADVANTAGE STUDENT CHAPTER  
ANNUAL REPORT COVER SHEET



The Student Program for Materials Science and Engineering

Student Chapter Name: Washington State University

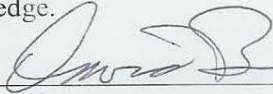
Academic Year: 2010-2011

University (if different from chapter name): \_\_\_\_\_

The following items must be attached:

- Annual Report
- Officer List for Upcoming Year
- Copy of Current Student Chapter Bylaws, if updated in the past year.

I hereby support this chapter's annual report. The information contained within this report is accurate to the best of my knowledge.

Faculty Advisor:  Date: 5/27/11

I hereby submit the attached Annual Report on behalf of my chapter. The information contained within this report is accurate to the best of my knowledge.

Submitted by:  Date: 5/27/11

SUBMIT BY JUNE 1 TO:

Material Advantage Student Chapter Program  
c/o Chapter & Student Relations  
ASM International®  
9639 Kinsman Road  
Materials Park, Ohio 44073-0002  
Fax: (440) 338-4634  
Email: [students@asminternational.org](mailto:students@asminternational.org)

# MATERIAL ADVANTAGE CHAPTER ANNUAL REPORT

Report should reflect activities during the past academic year (August—June).

## REGULAR CHAPTER ACTIVITIES

Number of Business, Technical or Educational Chapter Meetings: 15

Number of Guest Speakers not associated with the department at a chapter meeting: 0

Number of Guest Speakers associated with the department at a chapter meeting: 0

Regular Chapter newsletter or printed communication: Yes  No

Do you have a Chapter homepage? Yes  No

If yes, is it linked to the Material Advantage homepage? Yes  No

Other forms of visual or electronic communication to chapter (i.e., e-mail groups, bulletin board, etc.) Please list:

1. Email Group
2. Chalk Board/Bulletin Board
3. Facebook Group
4.

## MEMBERSHIP DEVELOPMENT ACTIVITIES

Number of applications for ACerS, AIST, ASM or TMS Scholarship contests: 15

Number of applications for ACerS, AIST, ASM or TMS Paper contests: 9

Number of Chapter Social Events: 4

Chapter recruitment program with at least 50% of membership involved :

- Membership Challenge Week       Member Sponsor Program  
 Spring Recruitment Program       Chapter Program:

Career Resources, programs, or job fairs sponsored by chapter. Please list:

1. Nucor Steel Presentation
2.
3.
4.

## SPECIAL CHAPTER ACTIVITIES

Number of Tours Taken at companies/corporations/laboratories: 2

Attendance at ACerS, AIST, ASM or TMS Meetings by one or more members of chapter: Yes  No

Outreach Projects for K-12 students (demonstrations, presentations, workshops, support of department recruitment programs, etc.) Please list:

1. GLE Kits
2. MSE Day
3. Mom's Weekend
4.

Community Service/Campus projects/Fund Raising Events. Please list:

1. Highway Cleanup
2.
3.
4.

Faculty Advisor appreciation/ recognition efforts. Please list activity:

## LOCAL CHAPTER/SECTION RELATIONS

Joint Activities held with Local ACerS Section, AIST Member Chapter, ASM Chapter or TMS Section : Please list:

1. ASM Chapter meeting w/President 3. Spokane Chiefs Hockey Game

2. Tango Electric Car Co. Tour 4. \_\_\_\_\_

Attendance at Local Chapter/Section Meeting by one or more members of chapter: Yes  No \_\_\_\_\_

Student Member or Faculty Advisor sits on Executive Committee: Yes \_\_\_\_\_ No

Regular communication with nearest local chapter/section (newsletter, calls): Yes  No \_\_\_\_\_

**OTHER SIGNIFICANT ACTIVITY**

Please describe:

Additional information may be attached.



May 27, 2011

**Material Advantage**  
c/o ASM International®  
9639 Kinsman Road  
Materials Park, Ohio 44073-0002

To Whom It May Concern:

I'm writing this letter of support for the Washington State University Material Advantage student chapter's application for the chapter of excellence award. The students are submitting their annual report, broken into sections based on the primary activities that they carried out during the 2010-11 school year. This year the chapter had several significant achievements: a large number of students attended professional society meetings (17 students went to MS&T and TMS this year, along with 2 attending Congressional Visits Day); the continued outreach of the club's GLE kits to junior high schools in the state, and a large effort to increase visibility locally through a fun outreach events on WSU Mom's weekend.

The outreach and promotion of Materials Science and Engineering with 7<sup>th</sup> and 8<sup>th</sup> grade teachers in developing a "GLE kit" (Grade Level Expectations) to distribute to middle schools for using materials as examples for the state mandated science exam, addressing the test that all students must take within the state to show mastery of science skills. This year the students focused on getting kits into the hands of teachers, which meant that they did not go visit every junior high that they sent them too, instead they improved the instruction sheets and interacted over the phone to make sure teachers knew how to best use the kits. This year they got kits to 8 new schools, delivering 120 kits to serve over 750 students in those schools. Previously they've gotten kits to 9 schools, and 700 students had used the kits; effectively this year the WSU MA chapter doubled it's outreach efforts over the previous 3 years. I am yet again impressed by the dedication of our MA chapter to visit and work with these teachers and help these students in promoting the field of MSE to younger students. This year the students fabricated kits every week, making more than 150 kits (each kit serves 2 students, and most schools are using them for 3 or 4 science classes each year). To do this they fund raised from several companies and solicited funds from alumni; they have learned much more than just "outreach" in this, they are learning and demonstrating how to run an operation from fabrication to distribution to marketing.

I was very impressed by the student's development in running this year's Mom's weekend event. They did a "materials in cookware and jewelry" demonstration, and while this might sound a bit trivial, by titling it this way they had over 50 WSU moms visit (many not parents of MSE students). This was an excellent opportunity for them to learn how to do outreach to the general public; they learned how to make the explanation short, topical, and at the level of the listener, not the level of the demonstration team. Overall this was a great tool for both outreach and, more importantly, professional development in our students.

Overall this was an excellent year for the WSU Material Advantage chapter. This group continues to use a Facebook group has to invite attendees to events, and has had great attendance at their events this year. I highly recommend them for the Chapter of Excellence Awards program. They have demonstrated their commitment to the field in all aspects, and acted in an extremely professional manner throughout the year.

Sincerely,

A handwritten signature in blue ink that reads "David Bahr".

David Bahr  
Professor  
WSU Material Advantage Student Chapter Faculty Advisor

# Washington State University

## Material Advantage Student Chapter

### Annual Report 2010-2011

President: Ken DeVoe  
Vice President: Mohamad Zbib  
Secretary: Ben Revard  
Treasurer: Ben Grammer  
Faculty Advisor: Dr. David Bahr

School of Mechanical and Materials Engineering  
Washington State University  
Pullman, WA 99164

## Chapter Officers: 2010-2011 School Year



President – Ken DeVoe



Vice President – Mohamad Zbib



Secretary – Ben Revard



Treasurer – Ben Grammer

CEACC Representative: Julie Soderlind

## Overview

This past year was an active year for the Washington State University Material Advantage chapter. Our focus this year was to increase outreach efforts to both statewide and local community while providing an opportunity for professional development for chapter members.

Our main statewide outreach this year was the Grade Level Expectations (GLE) kits project, which has been developed by the WSU MA chapter over the last several years. A relatively new outreach effort we do for the local community at WSU is organize and run a Mom's Weekend event at the university. Another community outreach activity we perform twice a year was cleaning a stretch of highway outside of campus through the adopt-a-highway program.

The club was able to provide a wide variety of opportunities for the professional development of its members. This year we were able to send members to the MS&T and TMS conferences with five and twelve members attending respectively. Another opportunity for professional development was provided in the form of Congressional Visits Day (CVD) in Washington, D.C. which two students attended this April. We also had three students present technical talks on their research at the WSU vs. U of I paper night competition hosted by the ASM Inland Empire chapter. Finally, members were able to attend tours of both Hi-Rel laboratory and the Tango Electric Car company in Spokane, WA.

Throughout the year chapter members participated in a variety of social events that allowed the club to form a sense of community. The first event of the year was the MSE BBQ, held at a local park. To foster younger members the club also held our annual MSE day. Other social events were the annual ski-trip to Silver Mountain and bowling nights. All of these social activities served to build membership and community in the chapter.

Overall, this has been an outstanding year for the chapter both in terms of the work members have done for their community, as well as the development of members towards their future professional careers

## Programming

### Mom's Weekend Event

For the past two years, the Material Advantage student chapter has hosted a two hour event showing some of what we do in the MSE department to students and families for the annual university-wide Mom's Weekend. It is advertised to the entire university, and this year we had over 55 visitors. We had three different demonstrations for the visitors this year. We had an optical microscopy demonstration, to show the microstructures of several types of cookware, including cast iron, Teflon-coated aluminum, and copper plated stainless steel in cross section. Many of the visitors were surprised to find out how thin the Teflon coating was and that cast iron, contrary to popular belief, does not season because of pores. There was also an energy dispersive spectroscopy demonstration in a field emission scanning electron microscope to show how we can analyze the composition of various pieces of jewelry. Finally, we made liquid nitrogen ice cream. All the visitors seemed to really enjoy getting to see the technical side of what we do, but demonstrated on every-day items. Focusing the topic on cookware and jewelry has been a good marketing approach to draw in parents of non-MSE students and helped expand our visibility around campus as a department and student organization.





**Figure 1.** Students serving liquid nitrogen ice cream and sharing the GLE kits project during the material science for mom's weekend event.

### MSE Day

As part of our efforts to recruit members for the club, we had an "MSE Day" at the beginning of October 2010. Freshmen in the introductory MSE course had a chance the chance to see the tools used by the materials science and engineering students. We started the day with a tour in our laboratories including grinding, polishing, optical microscopy, heat treatment, chemical, and mechanical testing laboratories. The idea for visiting the labs were to have a brief description on sample preparation when working on a scientific research, with another description on how to do different testing and analysis. For example, we did aluminum casting, broke them, and looked at the fracture surfaces. They then looked at carbon nanotubes under a scanning electron microscope (SEM). Liquid nitrogen ice cream is always a fun thing to make during MSE Day, and after that students had fun with breaking racquetballs after cooling them in liquid nitrogen.



**Figure 2.** Aluminum screaming cougar head cast from aluminum into a sand mold during MSE day.

### Hi-Rel Lab Tour

On February 21st six students from the WSU Material Advantage chapter attended a tour of Hi-Rel laboratories in Spokane, Washington. The facility conducts failure analysis and quality tests on electronic components from around the world and it has begun doing chemical testing on organic compounds using FTIR. Much of the company's work comes from the aerospace industry, but they perform testing on products ranging from microelectronic components to everyday cutting knives. The students toured the materials laboratory, where they were able to see failure analysis conducted in the same manner as some of the classes and labs taught at WSU. One of the highlights of the trip was the X-ray analysis machine where the internal mechanism of electronic components could be analyzed in real time. For instance, the internal gears of a watch could be observed while in motion! Overall, this trip was a great experience for students to learn more about material science in industry.





**Figure 3.** Club members who participated in the tour of Hi-Rel Laboratory in Spokane, WA.

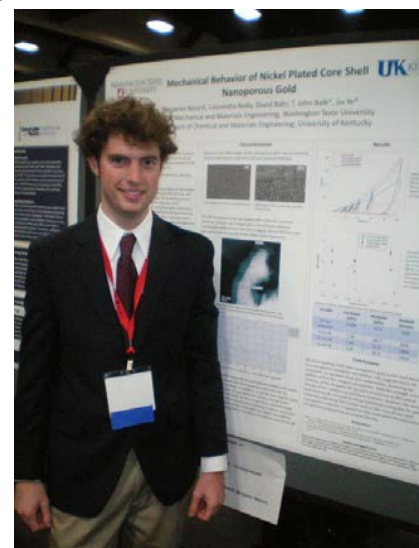
### **Career Development**

#### MS&T Conference

Five WSU students attended the 2010 MS&T conference in Houston, Texas. At the beginning of the conference, several of the club's officers attended a club leadership seminar. During the seminar, students from universities across the country exchanged helpful ideas on topics ranging from club activities and fund raising to the challenge of getting more freshmen involved in the club. The time spent in the leadership seminar was very productive, and it was a great way to see how other officers are meeting the challenges facing their chapters. Also, a few students from WSU presented research posters and gave talks, and everyone attended talks from students and professors on a wide range of topics. MS&T also provided an opportunity to meet other materials science and undergraduate students from across the country. Overall, attending MS&T 2010 was a great experience for our club members, both from an educational as well as a networking point of view.

#### TMS Conference

This year the WSU Material Advantage club sent twelve students to the annual TMS conference in San Diego. Five of our students presented their own research either as a talk or through the poster competition. We all participated in student monitoring of the lecture sessions, saw the research of other students at the poster session, and went to the student mixer to meet students from across the country. We also got to explore the city of San Diego while Pullman was getting 2 feet of snow. This experience allowed us to see what is being done in our areas of interest and meet people who are doing this work.



**Figure 4.** The WSU MA club at the TMS student mixer in San Deigo, CA. Ben Revard presents his research on nanoindentation at the student poster competition.

#### Congressional Visits Day

The WSU Material Advantage Club prides itself in sending students to every Congressional Visits Day (CVD). This year two students attended the 2011 CVD on April 7th. Heidi Coleman and Ian Thompson had the opportunity to travel to Washington DC to advocate to some of our Washington State congressmen, and/or their staff, about the importance of government funding in basic scientific research. Meetings with the two representatives and our senators was very useful, particularly in gaining access to a freshman representative that was not aware of the importance of materials and engineering in her district. When she found out that 1% of the nation's MSE students come from one high school in her district, she went from lecturing us on the need to reduce the deficit to asking questions about the field and how we make an impact. We as a club value this experience not only for possibility of making a difference to the engineering and research community as well as the chance to expose young, upcoming engineers to the political world and how it operates. The students also had the opportunity to meet members from other Material Advantage chapters as well as meeting members from some of the many other organizations that were in DC for CVD.



**Figure 5.** Heidi Coleman and Ian Thompson at CVD.

#### Paper Night

Each year the local ASM Inland Empire chapter funds a paper night competition between the University of Idaho MA chapter and our own Washington State University MA chapter. The event is hosted at each university alternating each year. The event consists of three technical presentations from each student chapter in addition to a microscopy photo contest. Before hand, the university at which the competition is held hosts a dinner. The local ASM chapter provides the judging of the presentations and cash prizes are awarded to all participants. Each clubs individual scores are added up to give their overall score and a winner is declared between the two clubs. This year WSU claimed the title for the second year in a row. This activity is a great opportunity for the two chapters to get to know each other better and to network with fellow material science students from another university.

#### Tango Electric Car Tour

On March 8th three of our members joined the ASM Inland Empire Chapter for a tour of the Tango electric car production facility. We left in the afternoon for the short drive up to Spokane and after circling the warehouse building four or five times trying to find the suite the factory was in, we finally saw some familiar ASM faces and the Commuter Cars building. We met with Rick the owner/designer/production manager of Commuter Cars and dove right into the facility. We were able to see all the nuts, bolts and batteries that made up the car. It was a great opportunity for us to crawl around and see all the detail work and technology

that went into the creation of the car, the factory had enough carbon molds, batteries, wire and metal to get any engineer excited! Not only did we get to see the guts of the car it was a great chance to chat and network with our ASM Chapter members.



**Figure 6.** Mike Smith and Erik Olson try out the Tango Electric car. Unfortunately they were not providing test drives.

## Service

### GLE Kits Project

In 2007, the Material Advantage chapter at Washington State University began making kits with the purpose of aiding middle school teachers introduce the concept of density, which teachers have stated is one of the most difficult topics to teach in middle school science. This year, we continued this project with weekly meetings where club members cut, ground, and marked the samples to be used. Kits were sent out to Aylan, Edgemont, Ferrucci, and Kalles Jr. Highs in the Puyallup, Centennial Middle School in Spokane, and Chief Joseph Middle School in Richland.. The kits not only help demonstrate the concept of density, but they also provide an introduction to material science. Included with each set of kits is a pamphlet that explains the different types of materials included in the kits, their properties, and a brief explanation as to why those properties exist.



**Figure 7.** GLE kits designed and built by the WSU MA chapter for middle school students across the state. The kits teach the concepts of density, conductivity, magnetism and optical properties through materials.

### Highway Clean-up

Each year the club is in charge of its own stretch of highway outside of Pullman as part of the adopt-a-highway organization. Twice a year members pile into each other's vehicles and ride off to the stretch of highway bearing safety vests, gloves and trash bags. In both semester trips we were able to collect several bags worth of trash and make the Palouse highway WA-27 much cleaner. Afterwards, lunch is provided for all participating members and a good time is had by all. This event provides a great opportunity for members to give directly back to their community with service.





**Figure 8.** MA student members after the highway clean-up event. After all their hard work everyone was ready for lunch from Subway afterwards.

### **Social Activities**

#### Start of the year BBQ

At the beginning of the year the club hosted a kick-off BBQ to welcome members back for the year and to encourage new members to get involved in the club. This year the BBQ took place at Reaney park just down the hill from the engineering building, allowing students who lived on campus to walk there. The food consisted of hamburgers and homemade marinated chicken with authentic Indian spices from professor Bose. The chicken was definitely a big hit. A variety of students were able to attend, including many first year freshman who had never attended a club event before. The greatest outcome of the event was new students learning about Material Advantage and being introduced to their fellow classmates. Overall the BBQ was a success and afterwards club members and non-members were ready to start the year.



**Figure 9.** Mohamad Zbib checks the chicken at the start of the year BBQ. Students were able to start networking early in the year.

#### Bowling Night

For the past couple of years it has been the club's tradition to host a bowling night in the fall and spring semester. The event takes place at Zeppo's bowling alley that is close to campus. This was a well attended event and each semester about 15-20 people showed up to put on some bowling shoes and try out their

bowling skills. Each person is asked to pay \$5 for attending, and the club covers the difference in cost. This event is a great opportunity for students to socialize and build friendships outside of the classroom.

### Ski Trip

On this year's annual ski trip eight Materials Advantage members spent up to two days braving less than ideal circumstances at Silver Mountain Resort in Kellogg, ID. Despite rather warm, slushy conditions on the first day and summit conditions of 40° F and raining on the second, everyone got in some good runs and at the very least, enjoyed the ride up the world's longest gondola. The club rented out a cabin for two nights where members were able to relax and get to know each other better despite the adverse skiing conditions.

### **Chapter Management**

As with any organization, running the events for the WSU MA chapter took a lot of coordinating and organization. Throughout the year general meetings were held every other week in our MSE lounge. At these meetings members were updated on upcoming events for the club and a variety of tasks were delegated to individual members. Meeting minutes were sent out via email and posted on our website. Outside of chapter meetings members were contacted by the club email and/or our Facebook group was used.

Club website- <http://www.mme.wsu.edu/~materialadvantage>

Club email- [msewsu@yahoo.com](mailto:msewsu@yahoo.com)

Facebook Group- WSU Material Advantage

This year's officers represent a cross section of the material science and engineering program here at WSU. The President and Vice-President were both seniors, the Secretary and Treasurer were both Juniors and our CEACC representative was a sophomore. The CEACC (College of Engineering and Architecture Coordinating Council) representative has been added in recent years to act as a liaison between the material advantage club and the college. The CEACC attends several meetings throughout the year to secure funding for our chapter from the CEACC. In general, it is our goal each year to have non-seniors students go or work at each event so that in the following years at least one member will have previously attended an event such as the MS&T or TMS conferences. In fact, we have a standing rule that no conference can be attended without one 'veteran' and one 'new' non-senior attendee present so that there is a smooth transfer of knowledge. The fact that we were able to send 17 students to a conference this year has made this an easy goal to meet.

As the GLE kits project has grown each year, so has the challenge in running and organizing it. This year we increased the frequency of club meetings for the project from once every other week to every week. Another change for the GLE kits project this year was to assign leadership of the project to non-officer members. Three members took charge of the distribution and contacting middle schools, manufacturing and ordering of supplies and finally of developing the kits website and pursuing awareness and funding of the kits. This system allowed three non-officer members to take a leadership role in the club and to understand how to run events. This worked so well that next year's President and Vice-President were two of the members in charge of the GLE Kits project.

This year we were also able to strengthen our ties to the local ASM Inland Empire chapter through several events. Members from the local ASM chapter meet with over 10 student members at the local restaurant. The local ASM members presented our chapter with a donation in support of our outreach activities for the year. Students were also able to attend a local ASM meeting later in the year which hosted the President of the ASM society Mark Smith. The WSU MA chapter President, Ken DeVoe, gave a short presentation on the clubs activities throughout the year. Students also attended Mark Smith's talk on the future of ASM-International and Sandia National Labs. Finally, through the WSU vs. U of I paper night the chapter members were again able to meet with local ASM members from the Spokane, WA area. Through these events student members of the WSU MA chapter were able to become more involved in ASM.

One final event that our club participated in for future development was donation letters sent out to Alumni. This year several MA members were involved in the stuffing of the letters that reach thousands of WSU alumni.

An executive decision was made about our club funds this past year. The decision was to spend the money we had even if it meant that our ending balance would be low. This was done because requesting funds with large balances in our accounts was not productive.

**2010-2011 Financial Summary**

		<u>FS&amp;A</u>	<u>Dept</u>
	<b>Starting Balance</b>	<b>3962.64</b>	<b>3119.27</b>
<b><u>Revenue:</u></b>			
<b>Departmental Support</b>		<b>0</b>	<b>1000</b>
<b>CEACC Support</b>			
	Career Connection 2009 Donation		
	CEACC semester funding		
	CEACC semester funding		
<b>Total</b>		<b>0</b>	<b>1000</b>
<b>National Society Support</b>			
	ASM Travel grant for MS&T	500	
	ASM Material Advantage rebate	105	
	Material Advantage Chapter CVD travel grant	500	
<b>Total</b>		<b>1105</b>	<b>0</b>
<b>Internal Fundraising</b>			
	T-shirt/polo sales	469	
<b>Total</b>		<b>469</b>	<b>0</b>
<b>Donations</b>			
	Hi-Rel Laboratories GLE Kits		750
	DeVlieg Foundation GLE Kits		2000
	Oakley Living Trust Donation to MA		100
	D. Engbretson and L. Smith Donation to MA		40
	Cline and Gretchen Fraiser Donation to MA		500
<b>Total</b>		<b>0</b>	<b>3390</b>
<b>Subtotals:</b>		<b>1574</b>	<b>4390</b>
<b><u>Total Revenue:</u></b>		<b>5964</b>	

**Expenditures:**

**Travel to National Conferences**

Ben Grammer	MS&T	364.3
Veronica Perez	MS&T	389.3
Julie Soderlind	MS&T	415.3
Ken Devoe	MS&T	898.69
Mohamad Zbib	MS&T	339.3
Ben Revard	MS&T	1043.99
Mohamad Zbib	TMS	321.8
Julie Soderlind	TMS	277.8
C. Josephs	TMS	277.8

John Lin	TMS	277.8	
Erin Olson	TMS	277.8	
Erin Patterson	TMS	277.8	
Ben Revard	TMS	302.8	
Gavin Mitchell	TMS	277.8	
Ken Devoe	TMS		716.97
Geneva Lee	TMS		277.8
Ben Grammer	TMS		277.8
Heidi Coleman	CVD	2203	
Ian Thompson	CVD	53	
<b>Total</b>		<b>7998.28</b>	<b>1272.57</b>

**Chapter Development**

Various	Kit meeting food	402.88	
Various	Gas for tours/ kits	238.93	
Various	BBQ	169	
Various	Bowling	118	
Various	Shirts	874	
Various	Ski trip	906	
<b>Total</b>		<b>2708.81</b>	<b>0</b>

**MSE GLE Kits**

Grainger Industrial Supply	abs rod		100
Rideout Plastics	extruded acrylic rod		57
U.S. Plastic Corp.	PS rod, white		63
Various	various rods		326
<b>Total</b>			<b>546</b>

**Subtotals: 10707.09 1818.57**

<b>Total Expenditures:</b>	<b>12525.66</b>
<b>Ending Balance</b>	<b>362.6 1207.27</b>

**Washington State University Chapter Officers for 2011-2012 Academic Year**

<b>Officer</b>	<b>Class Level</b>	<b>E-mail Address</b>
President: Heidi Coleman	Senior	heidi.coleman100@email.wsu.edu
Vice President: John Lin	Senior	john.lin@email.wsu.edu
Secretary: Ian Thompson	Senior	iant800@gmail.com
Treasurer: Michael Heiden	Senior	michael.heiden@email.wsu.edu
CEACC: Julie Soderlind	Junior	julie.soderlind@email.wsu.edu



# **N MATERIAL<sup>TM</sup>** **ADVANTAGE**

The Student Program for Materials Science and Engineering

## MATERIAL ADVANTAGE STUDENT CHAPTER OFFICER LIST

Chapter Name: Washington State University Academic Year: 2011-2012

### FACULTY ADVISOR

Name: Dr. David Bahr Member I.D.#: 395659

Preferred Mailing Address:  DHome  XBusiness

Address: PO Box 642920  
Pullman, WA 99164-2920

E-Mail: dbahr@wsu.edu

### CHAIR

Name: Heidi Coleman  
Member I.D.#: 471351

College Mailing Address:  
2290 NE Westwood Dr Apt R303  
Pullman, WA 99163

Phone: (360) 704-0211  
E-Mail: heidi.coleman100@email.wsu.edu

### SECRETARY

Name: Ian Thompson  
Member I.D.#: 472962

College Mailing Address:  
1365 NE Brandi Way Apt O1  
Pullman, WA 99163

Phone: (425) 233-0146  
E-Mail: iant800@gmail.com

### VICE-CHAIR

Name: John Lin  
Member I.D.#: 472960

College Mailing Address:  
1365 NE Brandi Way Apt O1  
Pullman, WA 99163

Phone: (425) 442-3362  
E-Mail: john.lin@email.wsu.edu

### TREASURER

Name: Michael Heiden  
Member I.D.#: 574523

College Mailing Address:  
1135 NE Lybecker  
Pullman, WA 99163

Phone: (206) 550-6262  
E-Mail: michael.heiden@email.wsu.edu