

## American Chemical Society

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**Form:** Part IV Self Nomination for Chemluminary Awards

**Organization:** Michigan State University

**Year:** 2009

### Please Read Before Completing this Section

Part IV of the annual report is OPTIONAL; local sections are not required to complete this part of the report. If you experience problems uploading these files, please e-mail them to Juanita Hampton at [j\\_hampton@acs.org](mailto:j_hampton@acs.org) and indicate where the files should be uploaded.

Part IV is used to collect nominations for a variety of local section awards. Local sections that postmark or submit their complete annual report electronically by February 15, 2010 may nominate themselves for a variety of ACS awards, by completing this portion of the annual report. Local Sections may complete the EZ Annual Report form and self-nominate themselves for any of the awards except the ACS Award for Outstanding Performance by Local Sections.

For eligibility, local sections must complete Part IV. A local section may nominate themselves for multiple awards. However, only one nomination per award is permitted. A separate form must be completed for each award entry and included in Part IV. Selection of the award winners is determined solely by members of the Committee presenting the awards. Award finalists will be announced in June 2010; winners will be announced on August 24, 2010 at the ChemLuminary Awards, held during the Fall National Meeting in Boston, MA.

Description of Activity or Program: Please provide a synopsis of the activity/program and state clearly, in 1,000 words or less, why the activity/program merits consideration for this particular award. Only activities/programs that were held in 2009 are eligible for consideration. You may wish to include the following in your description: Name of Activity/Program; Date Conducted; Site/Location; Number of Participants. You may submit pictures, newspaper clippings, announcements, etc. by hard copy, to support your nomination. Please refer to the specific guidelines for each award. Descriptions are limited to 1,000 words or less.

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#### ACS Awards for Outstanding Performance by Local Sections

These awards are given by the Local Section Activities Committee and recognize local sections that have demonstrated exceptional, overall achievement. The awards are judged in six size categories. For further information regarding the criteria used in selecting the award winners go to: <http://www.acs.org/localsections>. To be eligible for the Outstanding Performance Award, local sections must submit the complete (all four parts) annual report including Part II Narrative and Appendices and must complete the self-nomination form for the Outstanding Performance Award.

#### Local Section Activities Committee Awards

Most Innovative New Activity or Program in a Local Section

Best Activity or Program in a Local Section Stimulating Membership Involvement

Local Section Partnership Award

#### Local Section Activities Committee and the Division Activities Committee Award

Local Section and Division Interaction Award

#### Local Section Career Program Awards

Outstanding Local Section Career Programs

#### Local Section Minority Affairs Committee Awards

Best Overall Local Section Committee on Minority Affairs

Outstanding ACS Scholars Program Award

#### Local Section Project SEED Committee Award

Outstanding Project SEED Program

#### Local Section Public Relations Awards

Outstanding Continuing Public Relations Program of Local Section

Best New Public Relations Program

#### Local Section Women Chemists Committee Award

Outstanding New/Innovative WCC Single Event

Younger Chemists Committee (YCC) Awards for Local Sections and Divisions

Outstanding Local Section Younger Chemists Committee

Outstanding or Creative Local Section Younger Chemists Committee Event

Outstanding New Local Section Younger Chemists Committee

Chemists with Disabilities Award

Chemists with Disabilities Inclusion Award

ChemLuminary Awards for National Chemistry Week

Outstanding Community Involvement in NCW

Outstanding Event for the General Public Using the Yearly Theme

Outstanding Event for a Specific Audience

Best High School Event

Most Original Hands-on Activity or Chemical Demonstration

Best Student Affiliate Event

Outstanding Industrial Involvement

Outstanding On-going NCW Event

Government Affairs Committee Award

ACS President's Award for Local Section Government Affairs

Joint Subcommittee on Diversity

ChemLuminary Award for Diversity

Society Committee on Education Awards

ACS Student Affiliate Chapter Interaction Award

Outstanding High School Student Program Award

Outstanding Kids and Chemistry Award

Leadership Advisory Board Award

Outstanding Leadership Development Program Award

## ACS Award for Outstanding Performance by Local Sections

Our Section would like to be nominated for the ACS Awards for Outstanding Performance Awards by a Local Section.

These awards are given by the Local Section Activities Committee and recognize local sections that have demonstrated exceptional, overall achievement. The awards are judged in six size categories.

Contact

Person Name: Ruth Smith

319 Chemistry Bldg  
Michigan State University  
East Lansing, MI 48824

Address:

Phone: 517-353-5283

Fax: 517-353-1793

Email: rwsmith@msu.edu

The Michigan State University (MSU) Local Section has participated in and sponsored a wide variety of activities with the goals of education in the chemical sciences, outreach to the community, and greater participation by women and underrepresented groups in the field of chemistry. The cornerstone of these activities in the past year occurred around National Chemistry Week. The largest event sponsored was "Chemistry Day at Impression 5". Impression 5 is a local science activity center located in downtown Lansing. In order to bolster community support for the activity center we held an outreach activity there centered on demonstrations and hands-on activities for the public. The demonstrations were performed by many volunteers from MSU as well as high school groups.

The Younger Chemists Committee (YCC) of the local section has become highly active again, under new leadership. This year, YCC organized and participated in multiple events, including Science Olympiad, Chemistry Olympiad, a Game Night, and a Welcome Breakfast for incoming Chemistry graduate students. The YCC also held a second food drive, collecting \$1,250 worth of donations for the Mid-Michigan Food Bank.

The MSU local section again held the Chemistry Olympiad competition for local high school students. In 2009, 39 students participated in the event, which involved a written examination followed by a chemical demonstration show, and an awards ceremony. The local section also continued the monthly K-12 Teachers Support Meetings. These meetings began in 2008 and are a forum for local high school teachers to network and share resources. The meetings are well attended and this year, guest speakers were invited to discuss topics requested by the teachers. Additionally, the local section continued participation in Project SEED and continued sponsoring the Organic Chemistry Club which meets regularly to discuss reaction mechanisms.

As well the afore-mentioned activities, the local section also provided financial support to members of the MSU local section or the local K-12 science education community to attend a conference sanctioned by the ACS. The local section also sponsored an oral session at the Midwestern Universities Analytical Chemistry Conference (MUACC), which was held at Michigan State University in December 2009. The conference was well-attended, attracting 117 faculty, post-docs, and graduate students from 32 undergraduate and graduate degree-granting universities in the Midwest.

As can be seen from the above descriptions, these activities highlight the contributions that the MSU Local Section has made toward enhancing education and involvement of people of all ages in the chemical sciences.

\* Description:  
Please limit  
to 1,000 Words  
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The Michigan State University (MSU) Local Section has participated in and sponsored a very wide variety of activities with the goals of education in the chemical sciences, outreach to our community, and greater participation by minorities and women in the field of chemistry. Some highlights of the local section s activities in the past year include sponsoring Chemistry Day at Impression 5 during National Chemistry Week, organizing the Chemistry Olympiad competition at MSU, and continuing participation in Project SEED.

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Program Booklet

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Event :

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## Local Section Activities Committee Awards

Our Section would like to be nominated for the Most Innovative New Activity or Program in a Local Section.

This award is given by the Local Section Activities Committee and recognizes a local section for an innovative new activity or program.

Contact

Person Name:

Address:

Phone:

Fax:

Email:

\* Description:

Please limit  
to 1,000 Words  
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Our Section would like to be nominated for the Best Activity or Program in a Local Section Stimulating

Membership Involvement.

This award is given by the Local Section Activities Committee and recognizes a local section for an activity or program that stimulated membership involvement.

Contact

Person Name:

Address:

Phone:

Fax:

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\* Description:

Please limit  
to 1,000 Words  
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### Local Section Partnership Award

NEW IN 2009. This award is given by the Local Section Activities Committee and recognizes a local section for an alliance with another group that results in a successful activity. The criteria for receiving the award include forming a successful alliance/partnership with another group (internal or external of ACS) and hosting an activity as a result of the alliance/partnership. Other information to be considered in the selection of the recipient(s) includes the number of members from both groups that participated, the overall attendance of the activity, and what promotional work was done before the activity occurred.

Our Section would like to be nominated for the Partnership Award.

#### Contact

Person: Name:

Address:

Phone:

Fax:

Email:

\* Description:

Please limit  
to 1,000 Words  
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Abstract for  
Program Booklet

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## Local Section and Division Activities Committees Award

### Local Section and Division Interaction Award

A Local Section or Division may nominate themselves for up to 3 Joint Awards. However, if the same Division and Local Section have held several joint events these should be combined into one nomination. A separate form must be completed for each entry. Nominations are limited to 1,000 words and should (1) describe the nature of the Local Section-Division interaction, (2) Indicate the division which conducted the joint event or activity and (3) explain why it should be considered for the award. Please do not send supporting materials. Events should be innovative and extra consideration will be given to events that reach a wide audience, and have good publicity. Activities which were organized and planned jointly rather than simply financially supported by one or other group will be favored. The nomination must reflect the criteria for the award and must be unique for each entry.

Our Local Section would like to be considered for the Local Section and Division Interaction Award

Contact

Person Name:

Address:

Phone:

Fax:

Email:

Nomination#1

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Nomination#2

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Nomination#3

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Abstract for  
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of Event :

## Local Section Career Program Awards

Our Section would like to be nominated for the Outstanding Local Section Career Program Award.

These awards are given by the Committee on Economic and Professional Affairs and recognize both a large to very large and a small to medium large local section that have demonstrated career programs that facilitate and contribute to a significant number of members' professional development. Only local sections with trained coordinators are eligible for the award.

### Contact

Person Name:

Address:

Phone:

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\* Description:

Please limit  
to 1,000 Words  
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Abstract for  
Program Booklet

Picture of  
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## Local Section Minority Affairs Committee Awards

Our section would like to be nominated for the Best Overall Local Section Committee on Minority Affairs

This award is given by the Committee on Minority Affairs and recognizes a local section committee on minority affairs that consistently promotes and encourages the participation and leadership of underrepresented minorities in the chemical sciences. Examples of qualifying activities may include mentoring minority students, collaborative events with minority advocacy organizations in science, science fairs in underrepresented communities, and programs that foster awareness of minority contributions to the chemical sciences.

### Contact

Person Name:

Address:

Phone:

Fax:

Email:

\* Description:

Please limit  
to 1,000 Words  
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Our section would like to be nominated for the Outstanding ACS Scholars Program Award

This award is given by the Committee on Minority Affairs and recognizes the local section that most actively supports the ACS Scholars Program by including Scholars in the general activities of the section. For example, winning sections should demonstrate that they are providing successful mentoring opportunities through a variety of activities such as securing summer internships for ACS Scholars, financially supporting the program and/or incorporating Scholars into events like National Chemistry Week.

Contact

Person Name:

Address:

Phone

Fax:

Email:

\* Description:

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to 1,000 Words  
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Program Booklet

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Event :

## Local Section Project SEED Committee Award

Our section would like to be nominated for the Outstanding Project SEED Award

This award is to recognize the local section organizing an outstanding Project SEED program. The award recipient must demonstrate an ongoing commitment to the SEED program, including outreach to high schools, local business/industry, and academic institutions. Winning local sections must demonstrate an outstanding organization and potential for growth. The award is also based on effective mentor and student interaction, local business/industry participation, and financial support

Contact

Person: Name: Babak Borhan

Michigan State University  
Department of Chemistry  
East Lansing, MI 48824

Address:

Phone: 517-355-9715 x138

Fax: 517-353-1793

Email: babak@chemistry.msu.edu



PROJECT SEED AT MSU, SUMMER 2009

Team: Professors Babak Borhan, Robert Maleczka, James Jackson, James Geiger, Merlin Bruening and Greg Baker, and graduate assistant Mercy Anyika

Since 2003, MSU has participated in Project SEED. Project SEED was started by the American Chemical Society in 1968 to provide a summer research experience in chemistry or a related field to economically disadvantaged high school students. Students are placed in academic, industrial, and government laboratories for eight to ten weeks during the summer to participate in hands-on research. Professor Babak Borhan, assisted by graduate student Mercy Anyika was in charge of recruiting and mentoring students. Letters of invitation were sent out to local high school science teachers with significant populations of economically disadvantaged students since the ACS requires the family income of each participating student to be no more than 200% of the Federal Poverty Guidelines for his/her family size. Teachers with interested students responded and were sent an application designed by the MSU team. Each application required a resume, a statement of interest, and a letter of recommendation from a science teacher. This encouraged the students to highlight their talents as well as taught them important business skills for requesting recommendation letters and submitting applications.

Dr. Borhan enlisted the help of Professors Robert Maleczka, James Jackson, James Geiger, Merlin Bruening and Greg Baker to host Project SEED students. Each professor was responsible for designing a research experiment suitable for a short-term project. The six projects of the summer included the crystallization studies of SNAPc 190, 50 and 43 subunits, synthesis of tripodal hosts for stereochemical determination of chiral organic molecules, making mixtures of methylphenanthrenes for hydrogen storage, making nylon membranes of PSS and PEI for the filtration of positive and negatively charged particles from water, and the synthesis of 3KPZS pheromone. Two students from Jackson High School, two from East Lansing High School, one from Meridian High School and one from Everett High School were chosen to participate in this program. Each Summer I student received \$2,800 and Summer II students received

\$3,300 for the eight-week session. Funding was generously provided by the MSU Office of the Provost, the College of Natural Science, Department of Chemistry, and The Vice President's Office for research. All of the students were very excited about the opportunity to participate in this program, which began with a meeting to introduce them to each other and to their respective professors. Weekly meetings were held to allow the students to present their research as well as ask questions about various scientific issues, including working with graduate students and using laboratory equipment. At each meeting, Professor Borhan and Ms. Anyika covered different topics in organic chemistry to help the students better understand their research and how it related to larger projects or industrial research. In addition, the SEED students were required to turn in a weekly report detailing the progress they had made during the week. Project SEED students were responsible for maintaining a lab notebook and following appropriate laboratory safety procedures, as well as understanding their project and the chemistry it involved. Each student had taken at least one chemistry class, but high school students generally have very little knowledge of organic chemistry, so it became the responsibility of the professors and their research assistants to ensure that the students had the necessary skills and knowledge to undertake their individual research projects. At the end of the summer, all of the Project SEED students were required to present their research in the form of a formal paper of their research accomplishments from the summer. This helped develop their scientific writing skills and ensured they understood the research they had performed. Project SEED mentors are also encouraged to support their students with college and career counseling. All six of the student participants enjoyed their experience. Two of them have been accepted back next year as Summer II students. All of the students expressed interest in pursuing further studies in science. The program will be maintained in the summer of 2010. As always, we work hard to target local schools, and have developed a network of teachers to promote this program with the students they feel would benefit most from this unique experience.

\*Description:  
Please limit  
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Since 2003, MSU has participated in Project SEED. In 2009, the project SEED team consisted of Professors Babak Borhan, Robert Maleczka, James Jackson, James Geiger, Merlin Bruening and Greg Baker, graduate assistant Mercy Anyika, and most importantly six high school students from the Lansing Michigan area. These students engaged in research projects aimed at the crystallization studies of SNAPc 190, 50 and 43 subunits, synthesis of tripodal hosts for stereochemical determination of chiral organic molecules, making mixtures of methylphenanthrenes for hydrogen storage, making nylon membranes of PSS and PEI for the filtration of positive and negatively charged particles from water, and the synthesis of 3KPZS pheromone.

2-3 Sentence  
Abstract for  
Program Booklet

Picture of Event : IMG\_0134.JPG

## Local Section Public Relations Award

Our Section would like to be nominated for the Outstanding Continuing Public Relations Program of a Local Section.

This award is given by the Committee on Public Relations and Communications to Local Sections that continue to maintain outstanding public relations programs.

### Contact

Person Name:

Address:

Phone:

Fax:

Email:

\* Description:

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to 1,000 Words  
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Our Section would like to be nominated for the Best New Public Relations Program.

This award is given by the Committee on Public Relations and Communications to Local Sections for the best new public relations program.

Contact

Person Name:

Address:

Phone:

Fax:

Email:

\* Description:

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to 1,000 Words  
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## Local Section Women Chemists Award

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Our Section would like to be nominated for the Outstanding New/Innovative WCC Single Event.

This award is given by the Women Chemists Committee and recognizes a local section Women Chemists Committee for a new or innovative activity or program such as a unique networking opportunity, outreach to local women, or encouraging women into the chemical sciences.

Contact

Person Name:

Address:

Phone:

Fax:

Email:

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## Younger Chemists Committee (YCC) Awards for Local Sections and Divisions

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Our Section would like to be nominated for the Outstanding Local Section Younger Chemists Committee Award.

This award is given by the Younger Chemists Committee and recognizes local section YCCs that demonstrate organizational stability, solid membership and participation, involvement with their ACS local section, and an overall balance of activities (career development, scientific, social, outreach, etc.) (Note: to be eligible for this award you must also complete the YCC annual report form and include it in Appendix 6 of the local section annual report.)

Contact

Person Name: Matt Phaner

306 Chemistry Building  
Michigan State University  
East Lansing, MI 48824

Address:

Phone:

Fax:

Email: fhanerma@msu.edu

Our group managed to double our membership in the last year along with participating in several events.

We took on activities including visits from local high schools to get hands on experience in our analytical and physical labs. We also participated in science Olympiad and Chemistry Day. Both activities promote chemistry involvement to children of many ages. We also hosted social events to promote engagement from our current department staff and incoming students. The game night we hosted which brought together a number of students from various backgrounds. We also

hosted a welcome breakfast for the incoming graduate students which was the primary reason we doubled our membership. Finally we continued our efforts to participate in charity projects. This was accomplished through continuing the food drive we hosted the previous year. This year we expanded to include our nuclear chemists and raised an estimated \$1,250 worth of donations, which surpassed the previous total.

\* Description:  
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to 1,000 Words  
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Our group doubled membership and activities participated in during the last year. This was accomplished in just the second year under new leadership.

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Picture of  
Event : Bake Sale.bmp

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Our section would like to be nominated for the Outstanding or Creative Younger Chemist Committee Event.

This award is given by the Younger Chemists Committee and recognizes a local section event that had the greatest impact on younger chemists or was especially creative or unique. (Note: to be eligible for this award you must also complete the YCC annual report form and include it in Appendix 6 of the local section annual report.)

Contact  
Person Name: Matt Phaner

306 Chemistry Building  
Michigan State  
University  
East Lansing, MI 48824

Address:

Phone:

Fax:

Email: fhanerma@msu.edu

The YCC put on an omelet breakfast to welcome incoming graduate students. We obtained a donation of 12 dozen eggs from the local poultry research farm on campus and purchased the rest of the supplies with money raised from the bake sale earlier in the year.

In keeping with the spirit of working in a chemistry department, omelets were prepared on small skillets heated by brand new hot plates. Each person got to craft their own omelet from a variety of ingredients.

This event was used as an opportunity to get to know the incoming students and give them a chance to understand what our group does. Nearly 90% of the incoming students attended the event, which helped double our membership. Based on the extremely positive feedback obtained from those who attended, the welcome breakfasts will become a yearly event that

\* Description:  
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we provide to the incoming students, which will hopefully lead to increase the group's longevity.

As a way to promote our group's visibility we hosted an omelet breakfast for the incoming chemistry graduate students. YCC members cooked made-to-order omelets for all that attended. This event doubled our membership numbers and will become a permanent activity hosted by our group.

2-3 Sentence  
Abstract for  
Program Booklet

Picture of  
Event : Welcome Breakfast.jpg

Our Section would like to be nominated for the Outstanding New Local Section Younger Chemist Committee Award.

This award is given by the Younger Chemists Committee and is presented to new local section YCCs (within the first two years of existence or revitalization) that demonstrate an outstanding potential for organization and growth. (Note: to be eligible for this award you must also complete the YCC annual report form and include it in Appendix 6 of the local section annual report.)

Contact

Person Name:

Address:

Phone:

Fax:

Email:

\* Description:

Please limit  
to 1,000 Words  
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Abstract for  
Program Booklet

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## Chemists with Disabilities Award

Chemists with Disabilities Inclusion Award

This award will be given to a Local Section or Division for recognition of program activities deemed to be most inclusive and accessible to persons with disabilities. The purpose of the award is to increase the opportunities for interaction and personal participation in chemistry outreach activities by persons with disabilities who are frequently not accommodated by such programs.

Programs will be considered for this award if they include criteria such as, but not limited to:  
Efforts to eliminate physical barriers to participation in the venue

Alternative methods and flexibility of performing essential tasks that take into account people with sensory/mobility/coordination limitations in order to maximize their personal participation  
Emphasis on the chemical principles to be demonstrated and the chemical knowledge to be gained rather than a focus on the method of demonstration or performance of techniques

Efforts to educate as wide and inclusive an audience as possible to advance the practice and understanding of chemistry

Our Section would like to be nominated for the Chemists with Disabilities Inclusion Award

Contact

Person Name:

Address:

Phone:

Fax:

Email

\* Description:

Please limit  
to 1,000 Words  
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2-3 Sentence  
Abstract for  
Program Booklet

Picture of Event :

## ChemLuminary Awards for National Chemistry Week

The American Chemical Society's ChemLuminary Awards for National Chemistry Week, formally the Phoenix Awards, were established to recognize local sections that have demonstrated exemplary performance in the development and implementation of outstanding activities in support of National Chemistry Week during the previous calendar year.

A local section may nominate for up to three ChemLuminary Awards for National Chemistry Week. However, only one nomination per award is permitted. Nominations are limited to 1,000 words and should (1) describe the event or activity and (2) explain why it should be considered for that particular award. Please do not send supporting materials. In general, extra consideration will be given to events that are innovative, use the yearly theme, reach a wide audience, and have good publicity. The abstract must reflect the criteria for the award category and must be unique for each entry.

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Our section would like to be nominated for the Outstanding Community Involvement in NCW

Recognizes a local section that generates the greatest amount of community participation. Judging Criteria: Audience Participation, Variety of Programming, Creativity and Innovation, Volunteer Involvement/Collaboration, Publicity, and Geographical Reach

Contact

Person Name:

Address:

Phone:

Fax:

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\* Description:

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to 1,000 Words  
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Our section would like to be nominated for the Outstanding Event for the General Public Using the Yearly Theme Award

Recognizes a local section for an innovative public event using the current NCW theme. Judging Criteria: Pertinence to the Theme, Creativity and Innovation, Volunteer Involvement/Collaboration, Audience Reached, and Publicity

Contact

Person Name:

Address:

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Our Section would like to be nominated for the Outstanding Event for a Specific Audience Award



Recognizes a local section for an event that targets a specific group: such as underrepresented minority groups, scout troops, K-12 grade teachers, government officials, senior citizens, people with disabilities, or other specific audiences. Judging Criteria: Audience Reached, Pertinence to the Theme, Creativity and Innovation, Volunteer Involvement/Collaboration, and Publicity

Contact

Person Name:

Address:

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Program Booklet

Picture of  
Event :

Our section would like to be nominated for the Best High School Event

Recognizes a local section that coordinates and conducts a unique NCW event in which High School students play a major role. Judging Criteria: High School Student Involvement/Collaboration, Pertinence to Theme, Creativity and Innovation, Audience Participation, and Publicity

Contact

Person Name:

Address:

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Our Section would like to be nominated for the Most Original Hands-on Activity or Chemical Demonstration

Recognizes a local section for conducting a novel or unusual hands-on activity or chemical demonstration that adheres to the NCW Safety Guidelines. (This award is for a single activity or demonstration, not an event.) Judging Criteria: Creativity and Innovation, Volunteer Involvement/Collaboration, Audience Reached, and Publicity

Contact

Person Name:

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Fax:

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Our Section would like to be nominated for the Best Student Affiliate Event

Recognizes a local section that coordinates and conducts a unique NCW event in which the ACS Student Affiliate Chapter(s) played a major role. Judging Criteria: Student Affiliate Involvement/Collaboration, Pertinence to Theme, Creativity and Innovation, Audience Participation, and Publicity

Contact

Person Name:

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Our section would like to be nominated for the Outstanding Industrial Involvement

Award

Recognizes a local section that generates the participation and support for NCW from industrial organizations and their employees Judging Criteria: Industrial Involvement/Collaboration, Pertinence to Theme, Creativity and Innovation, Audience Reached, and Publicity

Contact

Person Name:

Address:

Phone:

Fax:

Email:

\* Description:

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of Event :

Our section would like to be nominated for the Outstanding On-going NCW Event

Recognizes a local section for an outstanding event that has been conducted for at least three years (not awarded to the same section more than once in a 5 year period). Judging Criteria: Program Quality, Program Longevity, Volunteer Involvement/Collaboration, Audience Participation, Publicity, and Program Growth

Contact  
Person Name: Amy M. Pollock

87 Chemistry Building  
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East Lansing, MI 48823

Address:

Phone: (517) 355-9715 x201

Fax:

Email: pollock@chemistry.msu.edu

The 2009 National Chemistry celebration "Chemistry Day at Impression 5" was the 23rd annual Chemistry Day hands-on event held by the MSU Local Section.

In 1987, the 1st National Chemistry Day was declared by the American Chemical Society to promote the public's understanding and appreciation of the role that chemistry plays in our everyday lives. To celebrate the event, a group of local area teachers, under the sponsorship of the MSU Local Section, organized a hands-on activities and chemical demonstration program on Saturday, Nov. 7, 1987 at the Frandor Shopping Mall in East Lansing. Presenters were teachers and students from nine area high schools. Because this event was such a wonderful success, members of the MSU local section and area teachers, students, and members of the Lansing business community have combined their efforts to celebrate "Chemistry Day" every fall since 1987.

In 1995 the section received a special recognition award from the ACS for "Best Use of Emerging Technology" for posting digital pictures of their event on the World Wide Web. In 1996, the ACS recognized our 10th annual event with a National Chemistry Week Phoenix Award for the "Best Shopping Mall Show" in the country.

New for the 2000 NCW celebration, girl scouts were invited to pre-register and attend "Chemistry Day". After completion of eight hands-on activities, the scouts were presented with a specially designed "Chemistry Day" patch for their badge sash. Over 300 girl scouts participated!

For the 15th annual event in 2001, "Chemistry Day" left the mall and for the first time was an event at Impression 5 Science Center. "Celebrating Chemistry & Art" was the theme and 120 presenters manned 25 tables of art related chemistry activities amidst the museum's hands-on exhibits. The merging of "Chemistry Day" and Impression 5 made for exceptionally exciting day of science for the approximately 1,500 people that attended the event.

The Impression 5 staff handled the fund-raising and publicity. These efforts resulted in Chemistry Day being an admission-free event thanks to a generous donation by MBI International. In addition, full articles about the event appeared in both the State News and in the Lansing State Journal. The Michigan Capitol Girl Scout Council again registered scouts for the event and over 400 attended and received "Chemistry & Art" patches. Presenters included students, faculty and staff from local schools, including MSU and chemists from local industry. For this outstanding 2001 event, the MSU Local Section received another Phoenix Award from the American Chemical Society. The award recognized "Chemistry Day at Impression 5" the 2001 National Chemistry Week event with the "Greatest Community Involvement."

The MSU Local Section continued to usher in NCW with their annual event at the Impression 5 Science Center from 2002 - 2008. Each year, the event has adapted to fit the theme and continued to attract hundreds of people from the community to attend the event.

In 2008, the MSU local section partnered with Emergent BioSolutions for the second year to sponsor the 22nd annual "Chemistry Day" event. Emergent BioSolutions generously paid for admission to Impression 5 for the day and also provided each child in attendance with a pair of safety glasses. The partnership with Emergent BioSolutions continued in 2009. In 2009, 900 people visited Chemistry Day at Impression 5 Science Center! Among those in attendance were Boy and Girl Scouts who had the option of purchasing a participation patch (\$1 per patch) for completing nine special activities, many of which related to the theme of the day, Chemistry - It's Elemental. The MSU Local Section gave everyone who attended Chemistry Day an NCW activity newspaper ( Celebrating Chemistry ), a Hooray for Chemistry bag, a NCW sticker, a Proud to be a Chemist temporary tattoo, and a NCW helium balloon. In addition to the regular exhibits at Impression 5, tables of hands-on activities and chemical demonstrations were presented by students from the Department of Chemistry at MSU, the MSU Plant and Soil Nutrient Laboratory, the National Superconducting Cyclotron Laboratory (NSCL) at MSU, MSU student organizations: ACS Younger Chemists Committee, NOBCChE (National Organization of Black Chemists and Chemical Engineers), Science Theatre, Alpha Chi Sigma (chemistry fraternity), Omega Chi Epsilon (chemical engineering honorary); and students from Olivet College, and Eaton Rapids High School. Many of the activities and demonstrations showcased the elements! Some of the activities included the isolation of iron from cereal, the iodine clock reaction, flame tests for different elements, an element stage show, soil testing to monitor phosphorus movement from the soil to groundwater, and an element matching game. After 23 years, "Chemistry Day" continues to be an event anticipated by members of the local community!

\* Description:  
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Chemistry Day at Impression 5 is the Michigan State University Local Section's 23rd annual NCW celebration! Chemistry Day is a hands-on/chemical demonstration show which started out in the mall and has moved to a local science center. In 2009, more than 200 volunteers presented demonstrations and activities to the 900 people who attended the 5.5 hour event.

2-3 Sentence  
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Program Booklet

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## Committee on Chemistry and Public Affairs Award

Our Section would like to be nominated for the ACS President's Award for Local Section Government Affairs

This award, sponsored by the ACS Committee on Chemistry and Public Affairs, recognizes a local section for outstanding efforts to increase member involvement in government affairs and advance public policy to benefit science and society. The award consists of \$500 and a ChemLuminary Award. Selection criteria for the award includes the quality and extent of efforts to inform and engage ACS members on state or federal public policy issues and/or quality and extent of efforts to educate policymakers on science policy issues and the role of chemical science in policy and society.

### Contact

Person Name:

Address:

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\* Description:

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Abstract for  
Program Booklet

Picture  
of Event :

## Joint Subcommittee on Diversity

Our Section would like to be nominated for the ChemLuminary Award for Diversity

This award recognizes a local section or division that facilitates and encourages policies and programs that foster inclusiveness, advancement, and recognition of underrepresented groups in the chemical sciences.

Examples of qualifying activities may include but are not limited to sustained mentoring of students and junior scientists from underrepresented groups, collaborative events with diversity advocacy organizations in sciences, programs that foster awareness of contributions to the chemical sciences by members of underrepresented groups, and programs that focus on recruiting and retaining, and recognition of achievement of underrepresented scientists. This award is given jointly by the Committee on Chemists with Disabilities, Committee on Minority Affairs, Committee on Technician Affairs, Women Chemists Committee, and Younger Chemists Committee.

Contact

Person Name:

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## Society Committee on Education Awards

Our Section would like to be nominated for the ACS Student Affiliates Chapter Interaction Award.

This award is given by the Society Committee on Education and recognizes an ACS local section that has contributed significantly to the pre-professional development of ACS Student Affiliates (SA) in its region. The award recipient will have demonstrated considerable interaction with SA chapters by initiatives such as inviting chapter members to participate in local section monthly meetings and activities; assisting with SA chapter activities by providing speakers or volunteers or contributing to the overall success of the chapters in other ways; and encouraging SA attendance at ACS national and regional meetings by providing travel assistance to chapters in their section.

Contact

Person Name:

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Our Section would like to be nominated for the Outstanding High School Student Program Award

This award is given by the Society Committee on Education and is designed to congratulate and recognize local sections that have organized or sponsored outstanding chemistry programs for high school students, such as the U.S. National Chemistry Olympiad (USNCO) program, science fairs, or chemistry clubs. Winning local sections must demonstrate that they have organized and conducted effective student programs. Outstanding programs should present evidence of the success of their programs in involving students and teachers (25%), appealing to a diverse student population (10%) with a variety of activities or events (30%) that are relevant to the teaching environment and adhere to safety guidelines (20%), involving local business/industry, engaging in appropriate publicity, and encouraging involvement of the academic community in the program (15%).

Contact

Person Name:

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Our Section would like to be nominated for the Outstanding Kids & Chemistry Program Award

The Kids & Chemistry (K&C) program is designed for ACS members who are interested in volunteering in elementary school classrooms to help ensure that quality hands-on science education occurs. This award is presented by the Society Committee on Education and will be awarded to the local section with the highest quality of K&C outreach accomplishments. Programs will be judged based on the number and quality of events (hands-on, interactive involvement is desired), number of volunteers, number of students/schools involved, involvement of local business/industry, publicity, and the effectiveness of the events and programs

Contact

Person Name:

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## Outstanding Leadership Development Program Award

Our Section would like to be nominated for the Outstanding Leadership Development Program Award.

This Award, sponsored by the ACS Leadership Advisory Board, recognizes a local section, technical division, or regional meeting for their outstanding efforts to promote leadership development through the ACS Leadership Development System among its members.

## Contact

Person Name:

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