



Go Nuke!

A North American Young Generation in Nuclear Newsletter

Winter 2012

Presidents Corner-

Duncan Robinson, NA-YGN President

NA-YGN is keenly focused on how to develop the careers of the young professionals that make up its membership. As each of us grow and learn new things and take on new responsibilities, we need to make changes to better utilize our newfound skills and talents. In many ways, NA-YGN as an organization is starting to experience the same need. NA-YGN continues to grow rapidly. The milestones of 10,000 members and 100 local chapters are now very much within reach. As our organization becomes larger and more mature, it only makes sense that we consider updating and improving the way we do things. That means shaking up and upgrading our infrastructure.

Many of you are probably already aware of recent changes we have made. Last year we adopted a new mission statement that reflected how the industry has changed since the organization's inception.

NA-YGN provides opportunities for a young generation of nuclear enthusiasts to develop leadership and professional skills, create life-long connections, engage and inform the public, and inspire today's nuclear technology professionals to meet the challenges of the 21st century.

Last year we embarked upon a new fundraising strategy that will allow the organization to have a consistent and reliable budget year in and year out.

I now want to announce to you, our members, the exciting upgrades we will be making in the near future as part of our continuing Infrastructure Upgrade Effort. Many of these changes come as a direct result of the feedback we have received from you, so we can keep NA-YGN a valuable and thriving organization.

To keep an eye on the future, the Core is currently finalizing work on a new vision statement to align with our new mission statement. The proposed new vision statement will be revealed along with the candidates for next year's Core, as a line item on the upcoming election ballot. Along with our new mission and vision statements, we will be expanding our current annual Strategic Plan into a rolling Five Year Strategic Plan. This will allow us to plan further into the future and ensure we are focusing our efforts on the value we can provide members both now and down the road.

We are also making upgrades to our technology and support functions. Some of these changes are small, like a new post office box, a new survey tool, and advanced webinar software that will allow us to record webinars for playback from our website. Other upgrades include an investigation of potential updates to the logo and promotional items. Likely the biggest and most exciting technological upgrade will be a fully redesigned website coming this summer. Work on the website redesign is already underway and I know all of us on the Core are eager to see what the new on-line home for our organization will look like and the expanded capabilities it will offer to our members.

I wanted you to know that we have listened to your feedback and are taking action to position NA-YGN for another wildly successful decade. Thank you for being a part of NA-YGN and helping us promote the energy of young professionals for the betterment of nuclear science and technology.



2011 NA-YGN Drawing Contest Winners Announced

Andrea Davis

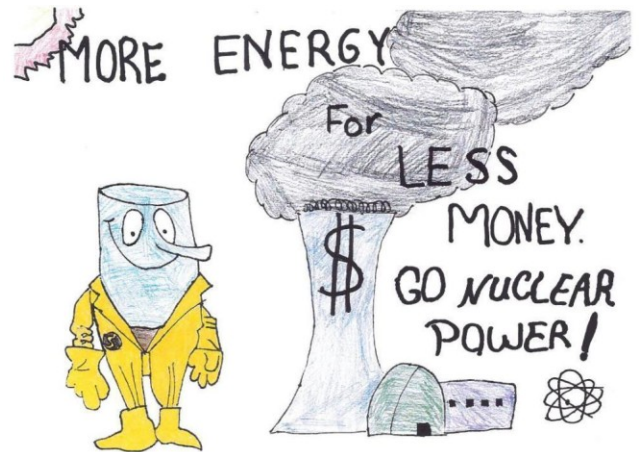
The North American Young Generation in Nuclear (NA-YGN) teamed up with Clean Energy Insight for the 2011 NA-YGN Drawing Contest. In light of the events at Fukushima Nuclear Plant, the contest focused on nuclear power on an international scale with the theme, “Roddy Nuclear Powers the World.” Roddy is a nuclear fuel pellet, and an NA-YGN mascot, and he is predominantly featured in this year’s drawing contest posters.

NA-YGN would like to thank all chapters for their participation. Your support of this program ensures that the new “young generation” has clear information on nuclear power, and can make informed decisions about our energy future.

This year, voting took place on the CEI website in order to expand our voting audience and to draw attention to this site. Over 250 visitors to the site voted, and for that, we thank you!

We are proud to announce the contest winners:

First Place: Giovanni, Myrtle Avenue Elementary

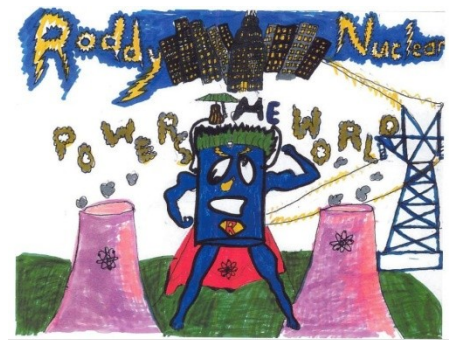


Giovanni, Myrtle Elementary, Pittsburgh, PA
Submitted by NA-YGN Westinghouse



Olivia, St Teresa of Avila, Pittsburgh, PA
Submitted by NA-YGN Westinghouse

First Runner-Up: Olivia, St. Teresa of Avila



Matthew, St Teresa of Avila, Pittsburgh, PA
Submitted by NA-YGN Westinghouse

Second Runner-Up: Matthew, St. Teresa of Avila

Winners will receive an NA-YGN t-shirt, science kit, and books for themselves and their schools. We encourage all NA-YGN Chapters to participate in the 2012 Drawing Contest, which will be 100% digital for the first time.

I gave a talk awhile back to a group of Certified Public Accountants (CPAs) on social media and my take-away was that CPAs view social media like a rattlesnake. They are interested in it, want to learn more, but don't want to touch it. I say, avoid the rattlesnake at your own peril.

CPAs occupy one end of the spectrum in terms of a conservative approach to life, and their perspective is applicable to those who are in the energy community as well. Based on my experience, there are a few universal principles which any professional can follow to achieve their goals (advancement, new career, networking, having a self calibrating database of contacts) by using social media - adhering to a few ground rules.



Here are some simple ways to get started with the two most relevant mediums, LinkedIn and Facebook. As my friend (and social media maven) Jessica Levin notes, "LinkedIn and Facebook both have a place in relationship building efforts. LinkedIn works well as an address book on steroids, but allows for real sharing of business information."

Although similar, they are not the same. LinkedIn is inclusive, Facebook is exclusive.

On LinkedIn, the rewards go to those with the most contacts. The only reason I won't connect with someone is that I know them to be dishonest. In that case, I simply ignore their request. Don't ever choose the "I Don't Know This Person" option as it puts a black mark on their record (not something to do to a potential prospect, future employer, or referral source).

You should have your picture on LinkedIn, it adds a degree of trust to your profile. The wizard for filling in your information is intuitive and should be done as completely as possible.

Consider joining a few groups that share a common interest, i.e. college, sports, vocation, charity, etc... Your level of engagement in these groups (for example answering group member questions) should be weighed through the lens of available time and importance.

If you are creating a new LinkedIn profile, connect first with your co-workers, vendors (you know and trust), friends, family, classmates and others that you share the familiarity of first names. From there, you can build your list from the people you have exchanged business cards with and other new acquaintances.

When you are reaching out to invite some connect with you, write a personal note (even if they are your best friend) of two sentences. The people who send the canned introduction LinkedIn provides rather than creating their own remind me of the folks who never change the ringtone their phone comes with. I say something like: "Jasper, I enjoyed speaking with you at the roundtable last week. I'd like to add you to my LinkedIn network."

I prefer to read status updates from my contacts which are business related (preferably with an educational bent). The ones I find most valuable deal with industry pronouncements and events.

LinkedIn allows you to keep all of your contacts in a central database which updates itself. You can also recognize those important people in your life by giving them an unsolicited recommendation. Nothing lights a person's day more than finding a well written, thoughtful recommendation in their in-box that they can then post on their LinkedIn page. The only exception to this rule is writing a recommendation for someone you work with. This could have significant legal ramifications if that person is terminated. Check with your legal department if this is something you are contemplating.

By accumulating professional connections on LinkedIn, you are building a bridge to the people they are connected to. There are many stories of business being won due to an introduction made via a mutual connection or a job being filled because of a precisely constructed profile.

On the few occasions I have received LinkedIn messages which solicited me without my seeking it (or something similar), I have either ignored them or responded with a polite "Not interested, don't send me this type of message again".

Facebook, on the other hand, should be managed more strictly. The people you connect to should be those you know and trust. My litmus test is that on LinkedIn, I will connect to almost anyone unless I know they are dishonest. On Facebook, you have to be someone I'd be willing to drink a beer with, sitting at a bonfire. Inclusive versus exclusive.

As Jessica Levin again notes, "Facebook allows you to let professional contacts enter your personal world. This is scary to many people, but sharing information about your real life can be an excellent catalyst for relationship building. No one should share overly personal information online, but sharing hobbies, vacations and personal milestones can create bonds with other people that you never would have discovered before."

My professional friends manage this in one of two ways. The first way, is to create a professional Facebook profile, which is distinct from the personal one. The picture is a typical headshot and the posts are work related. They connect with their co-workers, referral sources and other peers. The second way is to create various lists that segment family and close friends from professional friends. This way, those personal messages you wouldn't want to share with your work relations, are kept to a select group of people.



A few bits of advice:

- #1 Don't drink and post. Even if you realize your mistake in the morning, it is too late.
- #2 Keep it neutral. Don't engage in religious, political or sexual posts. It is bound to alienate someone.
- #3 Understand that on both platforms, you are the product. The customers are the advertisers.
- #4 Don't become fixated on the number of followers/friends. It isn't a race.
- #5 Regularly update your status, at least once a week. Stagnate accounts are only slightly better than not using the platform at all.
- #6 Do not post in all caps or repost uncorroborated rumors.

So, with some forethought and common sense, you can use these free tools to enhance relationships with your peers and not worry about being bitten by the rattlesnake.

About fifteen years ago, a group of motivated young nuclear enthusiasts had an idea: an idea in which young people engaged internationally to collaborate and promote the development of the peaceful uses of nuclear sciences and technology. After months and months of enthusiastic, exciting, and educational meetings, this idea transformed into the International Youth Nuclear Congress; a non-profit international organization focused on promoting the peaceful uses of nuclear science and technology and transferring knowledge from the current generation of leading nuclear scientists to the next generation and across international boundaries

Today the International Youth Nuclear Congress (IYNC) has representatives in over forty countries spanning six continents. The organization's primary purpose has been their biennial conference; however, over the past year the officers have expanded this focus into developing an organization that can provide a pathway between countries to allow young professionals, students, and researchers to share their successes, failures, and ideas on a more regular basis. This past year, the IYNC recovered their quarterly newsletter, which incorporates an officer's editorial, an alumni section, IYNC network and IYNC 2012 updates, country updates, upcoming events, student news, and a technical article. The idea behind the newsletter is to keep all young generation in nuclear (YGN) members informed of the progress being made in alliance with the IYNC mission internationally. We also have provided multiple grants this past year in support of YGN activities, which included a visit to Chernobyl.



IYNC2012 third executive committee (ex-com) meeting in London, England. From left to right you have: Nicolas Anciaux, Connor Deehan, Misha Swanson, Amy Bird, Wim Uyttenhove, Juan Gonzalez-Garrido, Melissa Crawford, Landon Kanner, Miguel Millan-Lopez, and Craig Albers.

Every two years, the International Youth Nuclear Congress selects a different country to host their biennial conference, which seeks to share information, ideas, and build lasting professional relationships among their young generation of nuclear membership. IYNC2012 will be held in Charlotte, NC this upcoming August in conjunction with NA-YGN. The conference theme is Strategic Planning: *An Opportunity for Innovative Growth*. The conference will feature ten technical tracks in addition to NA-YGN's professional development agenda. Successful conferences have been held thus far in Slovakia (2000), South Korea (2002), Canada (2004), Sweden/Finland (2006), Switzerland (2008), and South Africa (2010). The recent congress meeting in Cape Town attracted over 300 students, professionals, and researchers, from more than thirty countries!

The IYNC does not provide IYNC-specific membership, as it is our intent that all YGN members are represented by the IYNC Board of Directors. If you are interested in becoming more involved with the IYNC, there are still many opportunities still available within the IYNC2012 and IYNC framework. In addition, officer elections will be held and announced during the IYNC2012. The IYNC is still accepting papers for the IYNC2012 technical program, so be sure to submit yours today! If you are interested in becoming more involved, please contact our officers via the contact information provided on our webpage, www.iync.org.

Putting a fresh face on the nuclear industry' was the motto of the day on Tuesday, October 25, 2011 when forty North America Young Generation Nuclear (NA-YGN) and Women in Nuclear (WiN)-Canada members traveled to Ottawa to participate in the first ever NU Energy on the Hill Day. The event was organized by the Canadian Nuclear Association (CNA) along with representation from WiN and NA-YGN. The nuclear workers converged on the hill to speak with parliamentarians and share with them their personal stories about why they enjoy working in the industry.



Chalk River chapter at Parliament Hill Day, with Dr. Binder, President and CEO of the Canadian Nuclear Safety Commission

"It was such a great opportunity for nuclear workers to share the good news about the industry in which we work," said Cheryl Cottrill, Executive Director of Women in Nuclear (WiN) Canada.

"This was the first time we've organized such an event on Parliament Hill and it was a huge success," said Chris Waugh, NA-YGN Canadian Affairs Chair and Durham Chapter Past President. "We believe that the sharing of personal stories about our careers in the industry was a powerful way of educating parliamentarians as to why their continued support for nuclear science and technology is beneficial to Canada."

Communications training was provided by the Christopher Leadership Course with a focus on how to deliver a talk with confidence using effective verbal and non-verbal skills. In addition, a media training workshop was delivered by Judith Boyle to prepare the participants with the tools necessary to effectively answer any questions posed by the MPs, senators and staffers.



Bruce Power Chapter- Parliament Hill Day

The participants were given a warm reception on the hill and Parliamentarians were anxious to hear more about the industry. Questions about nuclear safety, Fukushima, the recent sale of AECL to Candu Energy and waste storage were all addressed with confidence by the participants.



Parliament Hill Day Durham Chapter

Following the meetings with MPs, a reception was hosted by Minister of Labour, The Honourable Lisa Raitt. Several MPs and other industry leaders including the President and CEO of the Canadian Nuclear Safety Commission Dr. Michael Binder as well as the President of the CNA Denise Carpenter attended this reception to chat with the nuclear workers. All participants felt very privileged to have spent a day at our nation's capital and to have been provided time on the calendars of our country's leaders.

A full album of photographs from this event can be found on the CNA's TalkNuclear Facebook page. Talks are already underway to organize a 2012 edition of Nu Energy on the Hill day!

2011 was the inaugural year for the Cameco NA-YGN chapter. In early January, a group of young professionals came together to begin planning a kick-off function for the local chapter. A lunch hour panel session was organized to introduce the NA-YGN organization to Cameco employees. There was significant interest from the kick-off event and membership in the local chapter began to climb. An Advisory Committee was formed and three near-term goals were set: develop awareness of the NAYGN organization at Cameco, build the membership base, and organize networking and professional development events for Cameco members.

By the end of 2011, Cameco's local chapter membership had reached over 80 members and a number of successful events were held, including the first annual Professional Development session. The session was scheduled for a full afternoon, and featured keynote speaker, Dr. Alan Walter, who spoke about the 'enormous benefits of radiation technology'. Other events that were organized throughout the year included an after-hours leadership series, where YGN members were able to network with fellow members. In conjunction with Cameco's annual fundraising campaign for the United Way, the Cameco YGN organized a Casual day for the United Way, which raised over \$2,000. Members of the chapter also participated in a number of regional events, including the annual professional development session in Niagara Falls, and the Nuclear Parliament Hill day in Ottawa.

2011 was truly a great kick-off year for the chapter and 2012 promises to be even bigger, with plans already underway to host the Canadian regional professional development session in June and other local chapter networking and professional development events.



Founding members of Cameco's local NA-YGN chapter

2011 NA-YGN Atlantic Regional Event

Bobby Ashworth

On Saturday August 20, 2011, over 30 NA-YGN members gathered as participants in the Atlantic Regional Event hosted at the AREVA Lynchburg offices. This one-day event provided NA-YGN members with opportunities for professional networking and career development beyond the chapter level. The Atlantic Regional Event had participation from young professionals employed by many different companies that are invested in nuclear power, including AREVA, B&W, Constellation, Dominion, NEI, Virginia Uranium, and MPR Associates. This event provided a forum for NA-YGN members to collaborate with peers about the landscape of the nuclear power industry. Overall, it was a great day to catch-up with old friends and to make new friends.



The morning started with a coffee social for participants to “wake-up” and share their experiences from working in the industry. At the Event sign-in, all participants were issued a People-Bingo Game to help start conversations with people in other chapters. Questions in the game varied from simple preferences (Pepsi vs. Coke) to more detailed trivia questions about nuclear engineering, nuclear power plant licensing, and details about uranium mining.

AREVA NA-YGN co-chair Craig Kelley welcomed participants and introduced Dr. Andy Cook from AREVA. Dr. Cook provided participants with encouraging advice on how to “make the big bucks” in the nuclear power industry and provided suggestions on how young professionals can make an impact in the industry by remembering three simple concepts: CREATE, DO, and SELL. Dr. Cook emphasized these points with examples from his own experiences and those of successful entrepreneurs such as GE’s Jack Welch, Facebook’s Mark Zuckerberg, Apple’s Steve Jobs, and Exelon’s Chris Crane.

Participants also took part in NA-YGN’s critically acclaimed Global Civilian Nuclear Dynamic Learning Activity – co-hosted by Wayne Lee and Elizabeth McAndrew-Benavides. Through this interactive activity, event participants experienced first-hand the workings of the nuclear fuel cycle in terms of economics, politics, and technical concerns. Participants were divided into teams and given finite amounts of resources and resource demands to fulfill their team’s energy needs. By the end of the game, everyone had an appreciation for the nuclear fuel cycle...and some of the participants experienced frustrations in trying to obtain energy independence.

Mr. Bill Webster, from Dominion, provided participants with the timeline of Fukushima Daiichi and described some of the philosophy of Beyond Design Basis Accidents at nuclear power plants. Elizabeth McAndrew-Benavides closed the speaking session with a kind reminder to participants about how to best share this information with friends and family members.

For R&R, NA-YGN members (and even a dog!) enjoyed a relaxing float down the James River. Several of the participants commented that they had never been tubing before, but were looking forward to making this into a tradition.

Finally, the Atlantic Event was brought to an end with dinner at the Stoney Badger Tavern.

Thank you to everyone that was able to come and experience the 2011 Atlantic Regional Event. This event would not be possible without the hard work and efforts of a strong planning committee. A special thank you to Sarah Gibboney, Wayne Lee, and Aaron Pierce from the AREVA Lynchburg Chapter for making this year’s Event possible.

REGIONAL REPORTS

Atlantic (Regional Lead Bobby Ashworth, atlantic@na-ygn.org)

Following the 2011 Regional Event this past August, the local chapters in the Atlantic Region have remained active through lunch-and-learns and networking events.

This past November 2011, the NA-YGN members from the AREVA chapter coordinated with the DC Metro chapter, and MPR chapter to visit the Department of Energy's Office of Nuclear Energy (DOE-N). NA-YGN members met with key leaders in the DOE-N and learned about the DOE-N activities and plans for the future. The meeting was initiated by the DOE-N's desire to interact with members of the public about the activities of the agency. Overall, the experience was positive for both NA-YGN and DOE-N.

Northeast (Regional Lead Elizabeth Haupin, northeast@na-ygn.org)

The Westinghouse - Windsor chapter recently hosted the annual Sunday River Ski Trip on January 20th 2012 with over 73 participants from Newington chapter, Entergy – Pilgrim, Exelon – Peach Bottom, and FPL. This is an increasingly popular social event, and as usual, was a great success! Between happy hour at the Foggy Goggle, outdoor hot tub and pool side events, and group dinners at a top-rated ski bar "The Matterhorn", a good time was had by all and we're looking forward to it next year.

Constellation - Nine Mile Point NA-YGN was very active in the last quarter of 2011, attending a professional development event on presentation skills, participating in several community service events, and hosting its annual Awards & Recognition Banquet. NMP NA-YGN members volunteered through NY State's Adopt-A-Highway program to beautify a heavily-traveled stretch of highway just south of the station. During the holiday season, NA-YGN members teamed up to ring the Salvation Army bell at a kettle location near the site for an entire day.

Westinghouse – Pittsburgh held a holiday party in January at Dave & Busters, with over 40 people in attendance! They are also co-hosting an SMR presentation with WIN in honor of National Nuclear Science Week, which is open to all Westinghouse employees. In February, Westinghouse – Pittsburgh NA-YGN members are looking forward to the annual skating party with First Energy – Beaver Valley and are planning for Engineers' Week presentations at the University of Pittsburgh!

Shaw – Moorestown is getting involved with National Nuclear Science Week by holding a competition for individuals to win gift cards by getting a perfect score on a 12 question quiz revolved around nuclear science and technology! We're also forwarding all applicable websites (for NNSW) to individuals along with some fun facts about the industry. The chapter has planned several upcoming monthly Lunch n' Learn Professional Development seminars, featuring guest speakers, and will be spearheading various fundraising events that raise funds for charities (i.e. MS Walk, Autism Walk, Wounded Warrior Foundation) while also spreading the word about NAYGN.

REGIONAL REPORTS- CONTINUED

Carolinas (Regional Lead Ryan Boyle, carolinas@na-ygn.org)

About 50 members attended the new Savannah River Site chapter's kickoff event at the Aiken Municipal Building Conference Center. This new chapter is off to a great start including a nice logo and website at sr-ygn.org.

NA-YGN members from the Duke Energy chapter attended the public meeting for the draft environmental impact statement for the proposed Lee nuclear station in Gaffney, SC. They were joined by Suzanne Hobbs, a local pro-nuclear artist that runs popatomic.org, and by Rod Adams, who runs the blog atomicinsights.com. Their messages and facts provided a good counterbalance to the large contingent of anti-nuclear activists that also attended the event.

The UNC-Charlotte NA-YGN chapter is planning a nuclear awareness event on their school campus. They are also collaborating with the local ANS chapter to host an event featuring ANS President Dr. Eric Loewen on February 16 at the UNC Charlotte Center City Building.

Southeast (Regional Lead Jessica Wheelock, southeast@na-ygn.org)

Comanche Peak – Continue to have monthly membership meetings. Focused on the Seven Habits of Highly Effective People training series last year. The chapter will continue this year with the Eighth Habit and Crucial Conversations as professional development opportunities for members. The chapter has seen a large increase in membership the past year and continues to have strong executive support. Elections will be held in the next few months for leadership positions and the chapter is planning a public outreach activity with Weatherford College where they will present to 600 high school students on careers in the Nuclear Industry.

INPO – Conducted several knowledge transfer activities last year, including “Knowledge Transfer Month” (3rd annual). The chapter is planning a World Fuel Cycle activity for first quarter 2012. The chapter will continue its community outreach activities this year by attending local high schools to present on Nuclear Power basics. Elections for leadership positions will occur in early February. They will focus on quality of events versus quantity this year and are planning a ski trip to Sugar Mountain with Bechtel Watts Bar Chapter later this month.

REGIONAL REPORTS- CONTINUED

Midwest (Regional Lead Terry Groth, midwest@na-ygn.org)

As with any start of a new year, the Midwest Region has had some leadership changes throughout the local chapters. Ohio State is actively working on starting a student NA-YGN chapter. Everyone is looking forward to the activities that 2012 has in store including the PD conference in August.

West (Regional Lead Jessica Joyner, west@na-ygn.org)

The West Region has also undergone several chapter leadership changes to start the new year. Many chapters are currently kicking off 2012 with their first meetings in the coming weeks.

Canada (Regional Lead Sunny Mustafa, canada@na-ygn.org)

NA-YGN in Canada is building up momentum for 2012 based on a successful 2011. Our signature event in 2011 was the Nu Energy on the Hill Day visit to Parliament in Ottawa, Ontario in October, which featured about 20 NA-YGN and 20 WiN Canada members advocating the positive benefits of their role in the nuclear industry to their elected parliamentarians! The six Canadian chapters are now working hard to finalize their 2012 annual plans. The Chalk River chapter recently held an event with the Canadian Nuclear Society to encourage networking between the two associations. The Durham chapter participated in a high school career day to encourage students to seek a career in the industry. The AMEC NSS Toronto chapter is actively preparing for their participation at the IYNC conference in August. The Cameco chapter is busy planning the annual PD workshop at the Canadian Nuclear Society conference in June.



EVENTS

Meet the Candidates Webinar

Virtual
February 23

NA-YGN Elections

Virtual
Mid-March

National Science Teachers Association

Indianapolis, IN
March 29 – April 1

National Society of Black Engineers

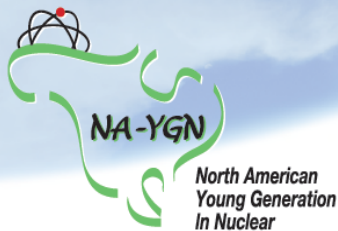
Pittsburgh, PA
March 29-30

ANS Student Conference

Las Vegas, NV
April 13-14



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