**57th National Junior Science and Humanities Symposium**

**April 24-27, 2019**

**Albuquerque, New Mexico**

**Wednesday, April 24**

11:00 am – 7:00 pm Information Center **Sales Conference Room**

*This room will be staffed all week as a place to register guests and to get answers to questions.*

11:00 am – 6:00 pm −Participant arrival and program registration **Atrium**

3:00 pm – 5:00 pm - Poster Set-Up\* **Kokopelli Room**

\**Poster presenters who arrive after 5pm, will be allowed to set up their poster before dinner if time allows or following the student and chaperone orientations. If necessary, time on Thursday morning will be allowed.*

4:00 pm – 5:00 pm – Regional Director/Tri-Service/NSTA meet and greet **Gallery Room**

*A chance for Regional Directors to meet NSTA staff/Tri-Service in an informal setting prior to the beginning of the week*

6:00 pm –Dinner **Cancun/Yucatan**

**6:30 pm-7:00pm Color Guard Prep Santa Rosa**

7:00 pm – **Welcome & Opening Ceremony Cancun/Yucatan**

Presentation of Colors: Kirtland Honor Guard

National Anthem:

Invocation: Chaplain Steve Jenson

DoD Tri-Service Opening Remarks:

**Orientation and Administrative Announcements**

**Orientation for Student Presenters – Oral and Poster**

JSHS RDAC

**Orientation for Chaperones**

**Oral Presenter Student Testing - ongoing Rio Grande Room**

*All student presenters must test their presentation using the media planned for day of presentation. Students must provide flash drive to upload to a laptop provided. Students will sign-up for testing. Testing to occur in Rio Grande Room at designated times beginning 12:00 pm Wednesday, April 24- 10:45am-11:30*

**Thursday, April 25**

7:00 – 8:00 am – Breakfast **Cancun/Yucatan**

7:00 – 7:50 am – Poster Session Judge Breakfast and Orientation **Gallery Room**

8:00 – 9:15 am – Poster Session Judges review posters **Kokopelli Room**

8:30 am –**DoD Research Program Panel Cancun/Yucatan Room**

Panel of graduate level researchers in DoD sponsored programs to address undergraduate and graduate level opportunities for JSHS Alumni.

Presiding:

Panel:Each service will identify 1 presenter; NSTA working with Metriks will identify a JSHS alum. Panel will feature research presentations by alumni of DoD STEM outreach programs, fellowships, and other programs that support the training and capabilities of U.S. citizens capable of contributing to critical disciplines of interest to the nation and to DoD:

A maximum of four (4) panelists to present 8-minute presentations with   
5-minute Q&A.

• Introduction (Name, Title, School/Organization, DoD STEM Program)

• Describe background and brief review of current research

• Significance of most recent research and how it benefits the DoD and/or

Global prosperity

• Recommendations and advice for JSHS finalists

9:30 am- 10:30 am – **Education & Career Round Table Discussions Cancun/Yucatan Room**

A total 230 students break into discussion groups of 10, rotating through two rounds of 20-minutes each, with a 2-minute turn for a total 45-minutes for the session. Discussion topics will be published ahead of time; students will sign up for 2 topics via event app.

Presenters are encouraged to speak with the students about potential opportunities in his/her specific research field, and/or to answer questions from students in preparation for the field.

Seated rounds would require 23 speakers total. STEM personnel could present a small model/visual at the table.

9:30 am – 12:00 pm **Teacher Professional Development Workshop** **Taos Room**

*Professional Development workshop to be led by Cary James, Teacher, Bangor, ME*

Workshop focused on teaching research and empowering current JSHS teacher participants to engage colleagues in their region.

10:30 am – Break

10:45 am – 12:15 pm – **Student Poster Session and Judging Kokopelli Room**

Presenters report to posters for judging at 10:45 am.

11:30 am-1:30 pm – **Lunch & Staggered Bus Departures for Lab Tours**

Recommend box lunch due to short time between poster competition and lab tour departures.

11:30am – 12:15pm - Lunch for oral presenters, chaperones, regional directors

12:15 – 1:00pm Lunch for poster presenters, teachers

12:30pm – 2:30 pm – **Cvent Training Session for Regional Directors Gallery Room**

*Presented by Cvent staff (virtually) and appropriate NJSHS and NSTA staff to host session.*

12:45 pm – 1:15 pm Lab Tour, exact times TBD **Offsite**

2:00 pm – 4:30 pm - **Laboratory Tours** **Offsite**

(Academia, Industry, Government) – Total 300 participants

* Lab tour sites TBD, request 6-8 tour sites

3:00 – 5:00 pm – **JSHS Regional Directors** **Annual Meeting Gallery Room**

4:30 - 6:00 pm – Buses return to the Marriott Albuquerque Pyramid North from Lab Tour sites.

6:30 pm −**Dinner and General Session I Cancun/Yucatan**

Presiding: (Air Force)

Keynote Address: (Air Force) Dr. Robert Clemens

8:00 – 9:30 pm- **Poster Peer Review & Ice Cream/Fun Networking Social Kokopelli Room**

Recommend ice cream social for Poster Peer Review. (or Nachos. Or sweet salty snacks)

**Friday, April 26**

7:00 - 8:00 am - Breakfast **Cancun/Yucatan**

7:00 – 7:50 am – Oral Session Judge & Moderator **Gallery Room**

Breakfast and Orientation

8:00 am – 8:45 am −**General Session II** **Cancun/Yucatan Room**

Intellectual Property and Ethics speakers

Presiding: Air Force and Dr. Michael Simpson

Address: Matt O’Brien and Dr. Larry Strawser

8:45am – 4:15 pm**- Speaker Prep Room Rio Grande Room**

9:20 am – 11:20 am - **Student Research Sessions and Judging**

*Please refer to your registration package for the final schedule. Below topics are subject to change as a result of selected papers from regional symposia competition. Rooms: Coronado, Cozumel, Tampico, Santa Fe, Las Cruces, Taos, Mirabella, Santa Rosa*

Session 1- Environmental Science

Session 2- Life Sciences

Session 3- Biomedical Sciences/Cell/Molecular Biology

Session 4- Medicine and Health/Behavioral Sciences

Session 5- Engineering

Session 6- Mathematics and Computer Science

Session 7- Physical Sciences

Session 8- Chemistry, materials science

11:40 am- **Lunch and General Session III Cancun/Yucatan Room**

Presiding: (Army) Mr. Holthe

Keynote Address: (Army) Dr. William Swartout

1:20 pm – 5:00 pm *Rooms: Coronado, Cozumel, Tampico, Santa Fe, Las Cruces, Taos, Mirabella, Santa Rosa*

Session 1- Environmental Science

Session 2- Life Sciences

Session 3- Biomedical Sciences/Cell/Molecular Biology

Session 4- Medicine and Health/Behavioral Sciences

Session 5- Engineering

Session 6- Mathematics and Computer Science

Session 7- Physics

Session 8- Chemistry, materials science

3:00 snacks

3:00 pm – 3:45 pm – JSHS Focus Group Session 1 (Student Poster Presenters)

*Focus Groups conducted by Purdue Assessment Team* **Aztec Room**

4:15pm – 5:00 pm – JSHS Focus Group Session 2 (Teachers)

*Focus Groups* conducted by Purdue Assessment Team **Aztec Room**

JSHS Focus Group Session 3 (Student Oral Presenters) **Rio Grande Room**

*Focus Groups conducted by Purdue Assessment Team*

6:00 pm – **Dinner Cancun/Yucatan**

7:00 pm – **General Session IV**  **Cancun/Yucatan**

Presiding: (Navy) Dr. Michael Simpson

Keynote Address: (Navy) Dr. Elizabeth Newton

8:00 pm – 9:00 pm - **Networking/Ethics Activity Cancun/Yucatan**

**Saturday, April 27**

8:00 am – 9:00 am – Breakfast **Cancun/Yucatan**

9:00 am - 10:30 am- **Reverse Science Fair & Researcher Meet and Greet Kokopelli Room**

Recommend networking activity for participants. University researchers and DoD representatives present work and discuss in reverse science fair style format allowing for participants to engage more directly.

10:30 am –Break

*Free until Awards Ceremony*

*10:30 am- 12:00pm – Color Guard prep room* **Santa Rosa Room**

11:00 am – 12:00 pm - Awards Ceremony Rehearsal **Cancun/Yucatan**

*Rehearsal to be attended by NJSHS Committee members and staff as well as appropriate ceremony participants.*

12:00 pm – 2:00 pm – **57th National JSHS Awards Ceremony Pyramid Ballroom**

Lunch - *plated lunch served*

Master of Ceremonies: Marcellus Sheppard

Presentation of Colors: Kirtland Honor Guard

National Anthem:

Invocation: Chaplain Steve Jenson

Congratulatory Remarks delivered by flagship or general officers representing each of the three services, or 2-star equivalent civilian

Army:

Navy:

Air Force:

Awards Presentation

3:00 pm – 6:00 pm – **Cultural Excursions Offsite**

Cultural Excursions will be optional. Students must travel with their regional delegation and designated Regional Chaperone, or another appointed and approved chaperone. Students and chaperones will sign out on departure and sign in upon return to the Marriott Albuquerque Pyramid North with NJSHS staff. NSTA proposes to provide transportation and structure to excursions.

7:00 pm – **Dinner and Social Activity TBD**  **The Pavilion**

Recommend barbecue style dinner followed by fun social activity to allow participants to celebrate achievements and continue to network before departure.

**Sunday, April 28**

5:00 am – 12:00 pm – Participant departure- exact times TBD

NOTES:

Operations Center for all staff Monday-Sunday **Sandia Room**