2020 NATIONAL SESHA CONFERENCE STUDENT PROGRAM

SESHA and the Student Scholarship Program

- SESHA's Background - http://www.semiconductorsafety.org/index.php3
  - SESHA (Semiconductor Environmental Health and Safety Association), founded in 1978 is truly a unique organization dedicated to the prevention of workplace injuries and accidents through the sharing of safety and health information and the promotion of technological advances in high technology, safety and health.
  - SESHA's member companies include many of the premier high technology leaders in the industry listed here http://seshaonline.org/corporate/index.php3

- Student Scholarship Program - http://seshaonline.org/scholarships/studentscholarship.php
  - The goal of SESHA's Student Scholarship Program is to encourage students to pursue a career in Environmental Health and Safety in the High Technology industry.
  - The scholarship is awarded to the winners of the student poster competition that will be held during the annual symposium.

Abstract

- Qualification
  - Any student seeking a degree in Environmental, Health and Safety or a related field can submit an abstract. For ex: Engineering, Public Health etc

- Abstract Submission:
  - **Due date: 2/21/2020**
  - Topics must be related to Environmental, Industrial Hygiene, Safety or Sustainability. Please see Rubric in next slide to determine how topics will be weighted during judging.
  - Abstract must contain a maximum of 100 words
  - Submit abstracts of their projects related to: academics@seshaonline.org

- Abstract Selection
  - 10 abstracts will be selected for the 2019 National SESHA Conference Poster Competition and students will be notified by 2/29/2020

Rubric

Score Levels	How can your research be applied to the field of Semiconductor or High Tech Industry EHS? Relevance to Semiconductor or High Tech Industry	Why did you choose this topic? What was your goal for this project? What were some challenges you faced during the project? Content	Judge to review the poster during interview Conventions
4	Subject provides a roadmap to enhancing existing Semiconductor / High Tech Environmental Health and Safety/Sustainability practices and programs in the industry.	Is well thought out and supports the solution to the challenge or question Reflects application of critical thinking, has as clear goal that is related to the topic Is pulled from a variety of sources and is accurate	No spelling, grammatical, or punctuation errors
3	Subject discusses a Best Known Method in Semiconductor / High Tech Environmental Health and Safety/Sustainability practices and programs in the industry	Is well thought out and supports the solution Has application of critical thinking that is apparent and has clear goal that is related to the topic Is pulled from several sources and is accurate	Few (1 to 3) spelling, grammatical, or punctuation errors
2	Subject is related to policies and programs that are peripheral to Semiconductor / High Tech Environmental Health and Safety/Sustainability.	Supports the solution Has application of critical thinking that is apparent and has no clear goal Is pulled from a limited number of sources and has some factual errors or inconsistencies	Minimal (3 to 5) spelling, grammatical, or punctuation errors
1	Subject is unrelated to Semiconductor / High Tech Environmental Health and Safety/Sustainability	Provides inconsistent information for solution Has no apparent application of critical thinking and has no clear goal Is pulled from few sources and has significant factual errors, misconceptions, or misinterpretations	More than 5 spelling, grammatical, or punctuation errors

- **2019 Winners as an examples of successful topics**
  - 1st Place – Nitrogen recovery from waste by forward osmosis and membrane distillation
  - 2nd Place – A Cutting Edge approach of Assessing Ergonomic Risks in the Semiconductor Industry
  - 3rd Place – Per- and Polyfluoroalkyl substance (PFAS) removal in industrial wastewater via anion exchange resin
- Topics must be related to the **Semiconductor industry or High Tech industry** to be selected for the poster competition

Poster Session

- SESHA Conference Dates:
  - 4/13/2020 to 4/17/2020 - http://www.semiconductorsafety.org/meetings/2019/index.php

- Poster Display:
  - PDFs of the posters must be submitted by 3/31/2020 to academics@seshaonline.org
  - Poster must be 23 inches by 35 inches, horizontal or vertical.
  - Posters must be able to stand on the easels that will be provided at the conference.
  - Students will display their posters in the exhibit hall on Tuesday 4/14/2020 by 10:00am
  - The posters will remain in place until Thursday 4/16/2020 for all conference attendees to see.
  - Posters must be collected by the students at the end of the General Conference on Thursday 4/16/2020

- Judging:
  - Judging will occur on Wednesday 4/15/2020 between 10:00am and 12:00pm.
  - Students are expected to be at their posters for the judging session

Stipends and Awards

- Travel to the SESHA conference can be sponsored by
  - The student's University, or
  - SESHA
    - The students will be reimbursed up to **$750** for travel (air and ground transportation only) by SESHA
    - Students requesting this reimbursement must submit a receipt for the travel costs.

- Accommodation will be sponsored by SESHA
  - 3 Nights stay at the conference location, Embassy Suites by Hilton in Scottsdale, AZ
  - 2 students per room. SESHA will be covering the **$550** cost per room

- Awards Presentation
  - **1st place: $5,000, 2nd place: $3,000, 3rd place: $1,000, Two Honorable Mentions: $500 each** will be presented during the Closing Ceremony on Thursday 4/16/2020

Student networking opportunities offered at the conference

- Networking Scavenger Hunt
  - A scavenger hunt designed to get the students networking with SESHA Executive Committee, Board, Vendors and Speakers at the conference

- Student Resumes
  - If you would like your resumes to be posted on the SESHA website, please send them to academics@seshaonline.org

- Publish Papers
  - The papers related to your project will be published in the SESHA website. Please email the completed papers to academics@seshaonline.org

Questions

If you have any questions, please contact academics@seshaonline.org

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