

38th ANNUAL 2022 HAWAII STATE MATHCOUNTS COMPETITION RESULTS

After being cancelled in 2020 and conducted virtual in 2021 due to COVID-19 restrictions, the 2022 Hawaii State MATHCOUNTS Competition was conducted in-person again due to the improving COVID-19 conditions, in the Ke’ehi Lagoon Memorial – John A. Burns Hall on March 26, 2022. Our long-standing venue, the Kamehameha Schools lower school facilities, was not available. This called for extra efforts adjusting to unfamiliar surroundings, and providing and setting up audio visual equipment. Future Hawaii MATHCOUNTS competitions may have to be held in this Hall.

To get to the State Competition, students competed in the Chapter Competitions hosted online on the AoPS platform on Saturday, February 26, 2022.

These student mathletes are placed according to their individual scores in the Sprint and Target Rounds. The Sprint Round has individual mathletes answering 30 difficult geometry, combinatorics, and algebra problems in 40 minutes. The Target Round has 8 problems in pairs of two with 6 minutes per pair to complete. The ten highest scoring Mathletes then compete in the Countdown Round to determine the four Hawaii National MATHCOUNTS Team members. The Countdown Round is a single-elimination,

head-to-head, oral round starting with the tenth and ninth place Mathletes. The problem is read and projected on a screen and the Mathletes are given 45 seconds to answer.

The Hawaii Society of Professional Engineers (HSPE) Educational Foundation is proud to announce the 2022 Hawaii National MATHCOUNTS Team as shown on Table 1 and Figure 1,

Joseph Guillou from Iolani School is Hawaii’s National MATHCOUNTS Team coach because the Iolani team placed first. He takes over from Coach Sung Park of Washington Middle School who had been the Hawaii National MATHCOUNTS Team coach for years due to the consistent outstanding MATHCOUNTS competition results of Washington Middle School. Placement of teams is determined by dividing the sum of the team members’ individual scores by 4 and adding twice the number of Team Round questions answered correctly.

CONGRATULATIONS to all of our competitors, and to those advancing to represent Hawaii! The Hawaii National MATHCOUNTS team will be competing in the 2022 Raytheon Technologies MATHCOUNTS National Competition in Washington, DC on May 8-9, 2022.

Other competitors making the top 10 are shown on Table 2.

Hawaii MATHCOUNTS and Nhut Pham, Hawaii MATHCOUNTS Coordinator, would like to acknowledge the following individuals and groups for supporting this State Competition: This includes Reynold Hioki of the Ke’ehi Memorial Organization for helping with the venue, Lane Hiramoto of Hawaiian Electric Company (HECO) for providing and setting up most of the audio visual equipment (he was assisted by Laurie Oishi, HECO), The Army Corps of Engineers led by Robyn Au and Todd Barnes for proctoring the competition, and the ASCE Hawaii Section YMF led by Lauren Hill and Ansen Nakasato for much of the scoring. In addition, Hawaii MATHCOUNTS recognize and appreciate the contributions of Sara Doi of HSPE/Bowers + Kubota, Kurt Kunimune of HSPE/Bowers + Kubota, Sanford Ching of AFCEA, and Ed Chang of HECO. Taking over as Master of Ceremonies was Jean Okamura who is substituting for Lou Muzzarini.

Hawaii MATHCOUNTS is organized by HSPE with competition assistance from Hawaii educators and engineers, and with financial support from Hawaiian Electric Company.

STUDENT NAME	SCHOOL	GRADE	CHAPTER
Sola Murakami	Iolani	7	Honolulu
Hong Jin Kwak	Washington Middle	8	Honolulu
Daniel York	Washington Middle	7	Honolulu
Katsutoshi Yamamoto	Washington Middle	8	Honolulu

Table 1



Figure 1: 2022 Hawaii MATHCOUNTS National Team, L-R: Katsutoshi Yamamoto (Washington), Sola Murakami (Iolani), Coach Joe Guillou (Iolani), Daniel York (Washington), and Hong Jin Kwak (Washington).

Chapter	School Name	Student Name
Honolulu Chapter	Iolani School (Honolulu, HI)	Ethan Zee
Honolulu Chapter	Washington Middle School (Honolulu, HI)	Andrew Vo
Honolulu Chapter	Highlands Intermediate (Honolulu, HI)	Mace Kawamoto
Honolulu Chapter	Iolani School (Honolulu, HI)	Alexander J Hudson
Honolulu Chapter	Washington Middle School (Honolulu, HI)	Ryan Lu
Honolulu Chapter	Iolani School (Honolulu, HI)	Mason K Funasaki

Table 2



Figure 2: Iolani School Team, L-R: Joe Guillou, Jerry Gao, Sola Murakami, Ethan Zee, Debbie Park, Kristi Sakaguchi



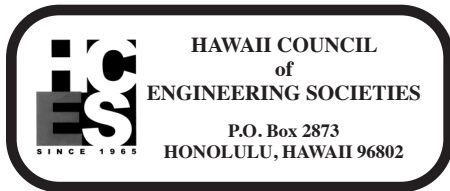
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WILIKI MAILING LIST

Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.



HOME PAGE: hceshawaii.org
EMAIL: hcesorg@gmail.com

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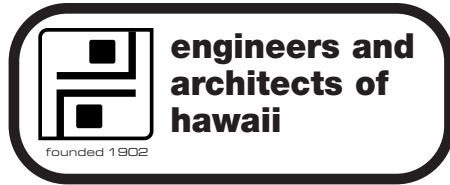
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The ITE Hawaii Section held a virtual meeting on April 20th, 2022. Kathleen Rooney, Director of Transportation Policy and Programs with Ulupono Initiative, discussed whether Hawaii's current ground transportation system is truly serving the needs of our communities and if it's helping shape a sustainable, resilient future for



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eaH May Programs:

ATTENTION!!!

eaH has restarted in-person meetings at our old 301 meeting room in the Topa Tower and continues Zoom meetings as well. Email eaHawaii@gmail.com if you plan on attending either in-person or via Zoom.

May Program Chair: Lee Mansfield

Friday, May 6, Noon

Speaker: Alexander Silvert – Author

Topic: The Mailbox Conspiracy

When Honolulu police chief Louis Kealoha and his wife, Katherine, the city's deputy prosecutor, reported their mailbox stolen to frame a family member, it was only the beginning of an elaborate conspiracy—and a corruption case that soon became the most notorious in Hawai'i history. The riveting and meticulously story is told from the inside in the book *The Mailbox Conspiracy* by the federal defender. The Mailbox Conspiracy is a fascinating study in the corruption of power and the abuse of public office.

Friday, May 20, Noon

Speaker: A. Kam Napier – Editor-in-Chief
Pacific Business News

Topics: Current Hawaii News Events

As Editor-in-Chief of the Pacific Business News, Kam Napier has a long list of Hawaii news events he has written and published, and he can share with eaH.

the Islands. She explored what drives change in transportation including environmental factors, societal issues, and impacts to underserved communities. Kathleen's presentation is available on the ITE Hawaii website.

The section will be hosting its second annual virtual Technical Solutions Event on May 18th, 2022. This year's event will focus on multimodal sensors and detection featuring transportation industry partners Wavetronix, Iteris, Gridsmart, NoTraffic, MioVision, and Econolite. The goal of these sessions would be to provide attendees with innovative solutions for transportation issues and share lessons learned from these projects. Registration is free for ITE members and public agency employees with a nominal fee for everyone else. Visit the ITE Hawaii website to register for this event.

If you would like to be added to the ITE mailing list, please email Mike Motoki at michael.motoki@honolulu.gov.



www.asme-hi.com

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ASME-HAWAII NEXT GENERAL MEMBERSHIP MEETING

Date: April 22, 2022 (virtual)

Agenda: TBA

Time: 5:00 pm

As usual, all members, students and guests are invited and encouraged to attend our Zoom Conference Call meetings. Please contact Derek Sato for the link.

GENERAL MEMBERSHIP MEETING March 25, 2022 NOTES

This was again a Zoom meeting arranged by Chair Derek Sato with eight members attending: UHM DME & STUDENT SECTION REPORT BY DR. WOOCUL LEE: Six Student Section members toured the Kalaeloa Combined Cycle Power Plant on March 26, 2022.

NOMINATIONS FOR ASME-HAWAII 2022-2023 OFFICERS: ASME Hawaii Section will look into SurveyMonkey and other means for voting-election of officers.

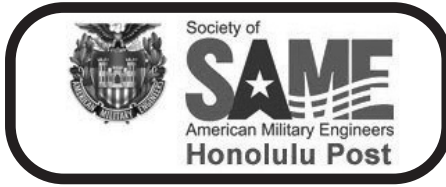
SPRING ME-481/482 2022 FRANCIS R. MONTGOMERY DESIGN COMPETITION: Dr. Mehrdad G. Nejhad joined the meeting to review the May 6, 2022 Friday competition scheduled for 12 noon to about 6 pm. Six teams will compete. Dr. Sorensen has three team totaling 23 students, while Dr. Nejhad has three teams totaling 34 students. Teams include an electric car project and the \$100K Formula Car Team with 24 students, the largest number of members per team so far. The DME is seeking an auditorium that can hold up to 100 people. Because of COVID-19 concerns pizza will not be served. ASME Senior Section will pay for the drinks which the Student Section will pick up. ASME Senior Section will confirm that the prize monies will most likely be First place \$500, second place \$300 and third place \$200. Judges will get abstracts one week prior and posters a couple of days before.

GIFTS FOR JUDGES, SPEAKERS, TOUR GUIDES: We are still deciding on the most favorable gift: Front runners include Padfolio and drinking flask.

TOURS: Derek Sato reported that AES Coal Plant will not give any more tours as they prepare for closure.

FUTURE MEETINGS: Resuming in-person section meetings versus continuing virtual meetings was discussed with members leaning towards the more convenient virtual meeting. We will decide during each meeting.

FE COURSE: Raymond Liu reported that he has received very little interest in conducting a FE Course.



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2022 SAME Honolulu Scholarship Program

The 2022 SAME Honolulu Post Scholarship Program is now accepting applications. **Application deadline is June 3, 2022.** 4-year scholarships worth \$6,000 are available to current high school seniors entering their freshman year of college and 1-year scholarships worth \$1,500 are available to continuing college students and veterans. Students must be pursuing or enrolled in an accredited architecture or engineering program.

For more information on the 2022 scholarship program categories, eligibility, and scholarship application submittal requirements, download the 2022 SAME Honolulu Scholarship Application at www.same.org/honolulu. For any questions or inquiries, contact Jennifer Kamo at Scholarship@samehonolulu.org.



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HAWAII SFPE SEMINAR PRESENTATION NFPA 13 (2022 edition)

Installation of Sprinkler Systems

The Hawaii Chapter of the Society of Fire Protection Engineers is sponsoring this excellent two-day seminar through a special arrangement with the National Fire Protection Association.

Sponsored by: **HAWAII SFPE**
 Date & Time: Two-day Seminar
 Monday May 23 to Tuesday May 24, 2022
 8:00 AM - 4:00 PM each day
 Registration on Monday May 23 starts at 7:30 AM

Location: **Hale Ikena, the Golf Clubhouse at Fort Shafter, Honolulu**

Cost: **\$ 600 per person.**
\$ 500 per person for organizations that send 2 or more persons

Email registration to dannaways@coffman.com

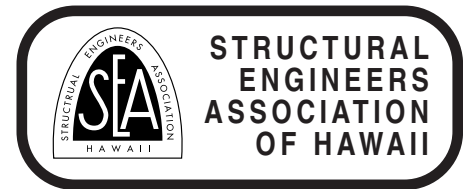
For Payment by check, make payable to Hawaii SFPE; mail to Hawaii SFPE c/o 745 Fort Street, Suite 400, Honolulu, HI 96813

Call Sam Dannaway to make Visa/ Mastercharge payment over the phone

For more information contact:

Sam Dannaway, Program Chairman, Hawaii Chapter SFPE

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PREVIOUS BOD MEETING

April 06, 2022

General Membership Meetings/Technical Seminars/Events

The May technical seminar will be online on May 26. Look for an upcoming email flyer for registration.

Membership Renewals

SEAOH is transitioning to Wild Apricot for 2022 membership renewals. Membership renewal notices will be sent out via email.

Outreach Committee

We are currently looking for an individual to serve as Outreach Committee Chair. If interested, please contact a current board member for more information.

Younger Member Group

SEAOH YMG will start holding regular meetings. If interested, please contact the YMG at seaoh.ymg@gmail.com.

Next Meeting on Wednesday, May 4, 2022. For information, contact SEAOH President Craig Meierhoffer at cmeierhoffer@baseengr.com



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YMF Pres.:	Claire Fukuoka, P.E. email: president.ascehawaiiyfm@gmail.com

EXECUTIVE COMMITTEE MEETING

Last held: April 6, 2022

Next meeting: May 5, 2022

ASCE HAWAII SECTION DINNER MEETING

We will keep you informed via e-blasts and/or notices posted on our website at ascehawaii.org with the May meeting information and schedule.

Cost: (RSVP via Eventbrite)

ASCE's COVID-19 RESOURCES PAGE

<https://collaborate.asce.org/covid-19/home>

Reminder that ASCE has launched a COVID-19 resources page with online tools and tips in one convenient place. The page includes links to free programs, training, and resources, the results of COVID-19 industry impact surveys, and relevant online discussions with fellow members. The page also offers several ways to work more effectively while at home and activities to take advantage of in the down time you may have – even fun things to do with the keiki! And don't forget that all members have 10 free PDHs! Now may be a good time to catch up on some of those technical on-demand webinars.

COMMITTEE POSITIONS

ASCE Hawaii is looking for volunteers for various committee positions, including Advocacy Captain, Report Card Committee Members, and Water Resources Chairperson. If you are interested or have questions on any of these positions, please contact President Cliff Lum, clum@ascehawaii.org.

MEMBERSHIP

If you haven't already done so, please renew your ASCE membership, which includes 10 free PDHs. You can renew your membership at www.asce.org.

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize deserving students. We continue to accept tax-deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and include the note 'Walter Lum Scholarship Fund' and mail to: ASCE Hawaii Section, P.O. Box 917, Honolulu, HI 96808-0917. If you have any questions, please contact Sheila Uyeoka at suyeoka@ascehawaii.org.

ASCE GOLF TOURNAMENT

Save the date for this year's tournament, currently planned to be on Friday, Aug 5, 2022.

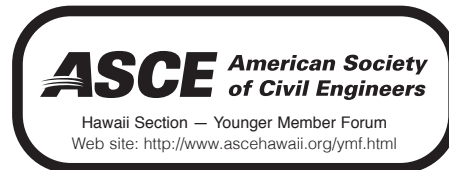
ASCE JOB LISTINGS

The following job listings are currently posted on the ASCE Hawaii Section website:

- **AECOM** (Civil Engineers II)
- **City and County of Honolulu** (Civil Engineer III, IV, V, Civil Engineer V (Geotechnical), & Electrical Engineer V)
- **Gray Hong Nojima & Associates, Inc.** (Junior Civil Engineer)
- **G70** (Civil Designer, Civil Engineer, Civil Project Manager, Construction Manager)
- **HDR** (Hawaii/Pacific Transportation Business Group Manager, Senior Civil Engineer, Project Manager, Civil Project Engineer)
- **Hawaii Housing Finance and Development Corporation** (Section Chief)
- **Kennedy/Jenks Consultants** (Project Manager, Honolulu Staff Engineer, Hawaii Staff Engineer)
- **Nagamine Okawa Engineers Inc.** (Structural Engineer)
- **R.M Towill Corporation** (Assistant Engineer I, Assistant Engineer II, Civil Design Engineer, Design Visualizer 3D Modeler)
- **SSFm** (Civil Engineer V, Structural Engineer IV)
- **Stantec** (Account Manager/Engineer-Water)

For further information, please visit

<http://www.ascehawaii.org/job-listings.html>



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Rebecca Pitts, Secretary	secretary.ascehawaiiyfm@gmail.com
Carly Kaneko, Past President	pastpresident.ascehawaiiyfm@gmail.com

YMF General Meeting

The next YMF general meeting will be on Wednesday, May 4, 2022 at 6:00 PM at Off the Wall. Please send your RSVP to ymf.hawaii@gmail.com. Please be sure to check out our website and social media channels for the most updated information on our upcoming general meeting and events. If you are interested in attending and learning more about the various professional, social and service opportunities available through YMF, please contact YMF at ymf.hawaii@gmail.com.

Golf Driving Range Outing

On Sunday, March 20, YMF held a driving range outing at the Newtown Driving Range in the Aiea area. Ten (10) YMF members attended and enjoyed the beautiful afternoon refining their golf skills, helping each other out with tips to improve their skills, networking with other engineers, and playing a little game of who could chip their golf ball closest to the orange cone that was out in the middle of the range. Thank you to all who participated! Please keep checking the YMF website for information regarding the next YMF Golf Outing!



MATHCOUNTS State Competition

On Saturday, March 26, YMF volunteered for this year's MATHCOUNTS state competition. Seven (7) YMF members helped with scoring the competition tests from various middle school students around the island. Thank you to everyone who gave up their Saturday morning and attended.



Pau Hana Social Event

On Friday, April 8, YMF held a Pau Hana outing at WorkPlayHi in Kakaako. Thirteen (13) YMF members attended and enjoyed each other's company while sharing drinks and pupus. Thank you to all who joined us after the workday and please join us next time at our next social event!



ASCE YMF Job Shadow Program

The Job Shadow Program is looking for students and industry professionals that are interested in becoming a mentee/mentor. Your interest and participation through this program will provide a valuable experience that will help guide students towards a successful path beyond graduation! If you have any questions and/or to sign up*, please email the Job Shadow Program directly at ymfhawaii.jobshadow@gmail.com

*Note: Information collected will help the Job Shadow Program pair mentor(s) and mentee(s) up based on their experience and interest.

2022 PE Exam Update

The PE Exam will be computer-based with appointments available year-round at Pearson VUE test centers beginning April 1, 2022. Information about how to register for the exam and purchase study materials can be found on the YMF website:

<https://ascehawaiiyfm.org/pe-exam-information>

continued on Page 5



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Hawaii State Science and Engineering Fair (HSSEF)

The Hawaii State Science and Engineering Fair (HSSEF) is an annual science fair held to showcase the innovation and research performed by students in middle schools and high schools across the state. HWEA participates in special awards judging, to identify and award high school students whose projects prove exemplary in the field of water environment research. HWEA congratulates our regional winners listed below:

Marisa Draper, Kahuku High & Intermediate School

Project Title: "When Tourism Stopped: The Effects of Hawaii's Tourism Industry on Ocean Pollution"

Tara Makena Ferguson & Jasmine Cadotte, Kalaheo High School

Project Title: "Using Computer Algorithms & Sensors To Effectively Optimize Water Usage for Indigenous Plant Irrigation"

Landon Choy, Kamehameha Schools Kapālama

Project Title: "Harnessing the Energy in Waves to Generate Electricity"

Hope Rosenbush, Kamehameha Schools Kapālama

Project Title: "PH Levels and Their Effect on Urchin Fertilization"

Benjamin Whitehurst, Pearl City High School

Project Title: "Watershed Computer Game"

Kailee Tanaka & Marissa Kusumoto, Iolani School

Project Title: "Quantification of the Concentration of Methicillin-Resistant Staphylococcus aureus in Waikiki beach waters"

These regional winners have been invited to submit their projects to the State Stockholm Junior Water Prize (SJWP) competition to further showcase their work at a state level, with potential of advancing to the national, and international SJWP competitions.

Ho'omaika'i e nā haumāna!

Congratulations, students!

HWEA Quarterly Luncheon

HWEA will be holding the next quarterly luncheon on June 30, 2022 at 11:30am at Dave & Busters. For more information and to register, please visit our website at <https://www.hwea.org>.

City & County of Honolulu Stormwater Quality BMPs Workshops

The City & County of Honolulu is hosting educational workshops for stormwater quality Best Management Practices (BMPs) on August 25 to 26, 2022 in-person at the Hawaii Convention Center or online via InEvent. For more information and to register, please visit <https://inevent.com/en/CCH-DFM/StormWaterQualityBMPsWorkshops2022/hotsite.php>.

WEFTEC 2022

WEF will be hosting WEFTEC 2022 on October 8 to 12, 2022 in New Orleans, Louisiana! Be sure to visit <https://weftec.org> for the latest updates and information about WEFTEC 2022.

ASCEYMF, from Page 4

Online PE Refresher Course

The Hawaii YMF has partnered with Pathceed, an online PE Exam refresher course that covers the breadth portion of the civil engineering exam. This course features 12-hours of on-demand course materials that may be accessed for a 6-month period, and a one-time free access should you not pass the exam. Curious but want a sample of the course? There's a free 1-hour lesson you can check-out before committing to the program! Cost of the course is \$289 and we are offering ASCE Hawaii YMF members a \$40 discount when registering. If interested in signing up for this course, please contact us at yfmf808.pecourse@gmail.com for more information.



<http://www.hawaiispe.org/>

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As a member of the Board of the Council of Engineering and Scientific Specialty Boards (CESB), AAACE International offers a range of certification levels from technician to professional to expertise level including CCT, CCP, CEP, EVP and PSP Certification Programs.

The local section, AAACE Hawaii, was originally established in 1973. It achieved both the Platinum and Gold Award for nine consecutive years 2014-2022. Our local area continues to achieve CCP, CEP, CST and PSP certifications. For more information, please visit <http://web.aacei.org/certification> and our local website www.aacehawaii.com.

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