



NEWS RELEASE

CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING

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FOR IMMEDIATE RELEASE:

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CASE to Honor Connecticut's Top Student Scientists

Young Scientists and Engineers Take Spotlight at Annual Awards Dinner

Rocky Hill, CT — Connecticut's most talented young scientists and engineers will be honored by the Connecticut Academy of Science and Engineering (CASE) at its 44th Annual Meeting and Awards Dinner on Tuesday, May 28th at the Red Lion Hotel Cromwell. Winners of this year's Connecticut Science & Engineering Fair, Connecticut Junior Science and Humanities Symposium, and Connecticut Invention Convention will be recognized during the evening ceremonies.

The H. Joseph Gerber Medal of Excellence, established by CASE will be awarded to the top winners of the Connecticut Science & Engineering Fair. The medal was created to recognize and honor H. Joseph Gerber's (1924-1996) technical leadership in inventing, developing and commercializing manufacturing automation systems for a wide variety of industries, making those industries more efficient and cost-effective in a worldwide competitive environment.

This year's keynote address will be delivered by CASE Member Meg Urry, PhD, Israel Munson Prof. of Physics and Astronomy, Yale University. Additionally, twenty-four newly elected members of the Academy will be recognized at the event.

Student winners to be honored are:

The 2019 H. Joseph Gerber Medal of Excellence

Raina Jain, Greenwich High School, Greenwich, CT

2019 Connecticut Science & Engineering Fair – 1st Place, Life Sciences-Senior Division

Project: *Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive Entranceway*

Cynthia Chen, Greenwich High School, Greenwich, CT

2019 Connecticut Science & Engineering Fair – 1st Place, Physical Sciences-Senior Division

Project: *A Green Nanotechnological Approach for Energy Efficiency and Conservation: Tungsten-doped Vanadium Dioxide Thermochromic Smart Windows*

2019 H. Joseph Gerber Award

Srikar Godilla and Cristian Rodriguez, CREC Academy of Aerospace and Engineering, East Hartford, CT

2019 Connecticut Science & Engineering Fair – Urban School Challenge High School Winner

Project: *Development of In-situ Fabrication Methods of Martian Construction Material*

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2019 Connecticut Science & Engineering Fair - Middle School Winner, Urban School Challenge**Srishti Ramakrishnan**, Westside Middle School Academy, Danbury, CTProject: *The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water***2019 Connecticut Junior Science and Humanities Symposium****1ST Place: Raina Jain, Greenwich High School, Greenwich, CT**Project: *Control of Varroa Destructor Infestation with a Dual-Function, Thymol-Emitting Honey Bee Hive Entranceway***2ND Place: Hannah Goldenberg, Greenwich High School, Greenwich, CT**Project: *Linking Continued Exposure to E-Cigarette Vapor Constituents with Chronic Obstructive Pulmonary Disease***3RD Place: Olivia Yoo, Darien High School, Darien, CT**Project: *Angiotensin-II Hypertension Enhances Morphological Alterations of Tight Junctions***4TH Place: Collin Marino, Greenwich High School, Greenwich, CT**Project: *A Versatile, Genetic-Based Cancer Treatment Capable of Selectively Killing Cancerous Cells via the Detection of Single Mutations***5TH Place: Sophia Wang, Amity Regional High School**Project: *Real Time Sinkhole Detection Using Civil Engineering Techniques, the Internet of Things (IoT), and Artificial Intelligence***2019 Connecticut Invention Convention** (Awardees listed by hometown)**Avon:** Leo Southam, Talcott Mountain Academy of Science, Mathematics and Technology**Avon:** Zachary Starr, Talcott Mountain Academy of Science, Mathematics and Technology**Baltic:** Brendan Bezanson, Sayles School**Bethel:** Nila Kumar, Bethel Middle School**Bolton:** Nicole Barnes, Bolton Center School**Bolton:** Gianpaolo Girasoli, Bolton Center School**Colchester:** Abigail Belding, William J. Johnston Middle School**Danbury:** Max Coisman, St. Gregory the Great School**East Granby:** Sara Moore, East Granby Middle School**Ellington:** Molly Deptula, Ellington Middle School**Lyme-Old Lyme:** Nyla Goulis, Lyme-Old Lyme Middle School**North Windham:** Manuel Silva, Charles H. Barrows STEM Academy**Putnam:** Lily Goyette, Putnam Middle School**Westport:** Tolani Oshin, Greens Farms Academy**Westport:** Jakob Zapanta, Greens Farms Academy

The Connecticut Academy of Science and Engineering was chartered by the General Assembly in 1976 to provide expert guidance on science and technology to the people and to the state of Connecticut, and to promote the application of science and technology to human welfare and economic well being. For more information about the Academy, please see www.ctcase.org.

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