



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 42nd Annual Meeting and Awards Dinner on Monday May 22nd at the University of Connecticut in Storrs. 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 and presented in partnership with the Connecticut Center for Advanced Technology, 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 Kathleen McGroddy-Goetz, Vice President of Partnerships & Solutions for IBM Watson Health.

Student winners to be honored are:

The 2017 H. Joseph Gerber Medal of Excellence:

Shobhita Sundaram, Greenwich High School, Greenwich, CT

2017 Connecticut Science & Engineering Fair – 1st Place, Life Sciences-Senior Division

Project: *Detection of Premalignant Pancreatic Cancer via Computational Analysis of Serum Proteomic Profiles*

Ethan Novek, Greenwich High School, Greenwich, CT

2017 Connecticut Science & Engineering Fair – 1st Place, Physical Sciences-Senior Division

Project: *Novel Low-Temperature Carbon Capture Using Aqueous Ammonia and Organic Solvents*

Maya Geradi, Wilbur Cross High School, New Haven, CT

2017 Connecticut Science & Engineering Fair – Urban School Challenge High School Winner

Project: *A Study of Circadian Genetics and Abiotic Stress Towards Sustainable Agriculture*

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2017 Connecticut Science & Engineering Fair - Middle School Winner, Urban School Challenge**Madison Lee**, Sport and Medical Sciences Academy, Hartford, CTProject: *Natural Plastic: Milk Plastic Biodegradation Versus Commercial Plastic Degradation***2017 Connecticut Junior Science and Humanities Symposium****1st Place: Shobhita Sundaram, Greenwich High School, Greenwich, CT**Project: *Detection of Premalignant Pancreatic Cancer via Computational Analysis of Serum Proteomic Profiles***2nd Place: William Yin, Greenwich High School, Greenwich, CT**Project: *Portable, Low-Cost Tattoo-Based Biosensor for the Non-Invasive Self-Diagnosis and Quantification of Atherosclerosis***3rd Place: Haya Jarad, Amity Regional High School, Woodbridge, CT** Project: *Identification of Novel Small*Project: *Identifying Quasi Periodic Patterns in fMRI Versus CBF Data***4th Place: Gabrielle Stonoha, Manchester High School, Manchester, CT**Project: *Growth and Sustainability of Metarhizium on Low-nutrient Substrates***5th Place: Lauren Low, Engineering & Science University Magnet School, West Haven, CT**Project: *A Novel Rapid Diagnostic Test for Zika Virus NS1 Protein Using Nanoribbon Microfluidics***2017 Connecticut Invention Convention****Andover** - Charles H. Barrows STEM Academy: Addison Wallace**Berlin** - CREC Two Rivers Magnet Middle School: Luca Tropea**Colchester** - William J. Johnston Middle School: Zack Starks**East Granby** - East Granby Middle School: Jasmyn Dillon**Glastonbury** - Talcott Mountain Academy of Science, Mathematics and Technology: Kunal Kothari**Groton/Fishers Island, NY** - Fishers Island School: Lillian Kane**Harwinton** - St. Anthony School: Joe Conroy**Meriden** - CREC Two Rivers Magnet Middle School: Haritha Subramanian**Newington** - John Wallace Middle School: Shiven Patel**Newtown** - Newtown Middle School: Michael Elston and Julia Minchak**Southington** - Joseph A. DePaolo Middle School: Payton Turnquist**Torrington** - Torrington Middle School: Logan Davis**Wallingford** - CIC Independent Study Student Program: Manav Parikh**Wilton** - CIC Independent Study Student Program: Anjo Therattil

Twenty-four newly elected members of the Academy will also be recognized during the evening.

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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