Fifty-Third Connecticut

JUNIOR SCIENCE
and
HUMANITIES SYMPOSIUM

at the University of Connecticut
March 13 and 14, 2016

THE ACADEMY OF APPLIED SCIENCE
under contract with
THE U.S. ARMY, NAVY, AIR FORCE and
THE UNIVERSITY OF CONNECTICUT
OBJECTIVES

...To promote research and experimentation in the sciences, mathematics, and engineering at the high school level;

...To recognize the significance of research in human affairs, the importance of humane and ethical principles in the application of research results;

...To search out talented youth and their teachers, recognize their accomplishments at symposia, and encourage their continued interest and participation in the sciences, mathematics, and engineering;

...To expand the horizons of research-oriented students by exposing them to opportunities in the academic, industrial, and governmental communities;

...To enlarge the number of future adults capable of conducting research and development.

A part of

THE U.S. ARMY/NAVY/AIR FORCE JUNIOR SCIENCE AND HUMANITIES SYMPOSIA PROGRAM

with support from

THE UNIVERSITY OF CONNECTICUT

and

CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING
Fifty-Third Connecticut
JUNIOR SCIENCE and HUMANITIES SYMPOSIUM at the
University of Connecticut

SUNDAY, MARCH 13, 2016

REGISTRATION
2:00 – 2:45 p.m.       Student Union, Room 330

OPENING
3:00 – 4:15 p.m.       Student Union, Room 330

Welcome   Michael Accorsi
           Senior Associate Dean
           School of Engineering
           University of Connecticut

Briefing   Frank LaBanca
           CT-JSHS Executive Committee

Address    Jonathan Mellor, Assistant Professor
           Dept. of Civil & Environmental Engineering
           Ryan Cordier ’18 (ENG)
           Kristin Burnham ’19 (ENG, CLAS)
           Joy Larson, Project Coordinator
           University of Connecticut
           "Ethiopia Water Project - Engineers without Borders"
POSTER PRESENTATIONS/STEM POSTER EXHIBITION/REFRESHMENT BREAK
4:15 – 5:15 p.m.

Student Poster Presentations -- Student Union, Room 310

Kylie Fawcett
Bridgeport Regional Aquaculture Science and Technology Education Center
Mentor: Kirk Shadle
Analyzing the use of Moon Jellyfish (Aurelia aurita) Collagen as a Viable Alternative in Medical Applications

Vanessa Hansen-Quartey & Chinanu Gubor
Yale Peabody Museum of Natural History
Mentor: Drew Gentner
Volatile Organic Compound Emissions at New Haven Sites

Paul Han
Glastonbury High School
Mentor: Diane Pintavalle
A Survey of Audio Modulation Techniques in Solid State Tesla Coils

Reshanna Homma
Glastonbury High School
Mentor: Marc Hansen
Identification of Differentially Expressed Genes of Membrane-Bound Proteins as Potential Targets for Osteosarcoma Therapy

Abigail Kelly
Sacred Heart Academy
Mentor: Donald Caldwell
A Method to Minimize Disease in West Africa: The Conversion of Fruit Crops into Ethanol for Disinfectant Use

Lauren Low
Engineering & Science University Magnet School
Mentor: Heather Toothaker
An Evaluation of the Accuracy of an Advanced Nanoribbon Microfluidic System to Measure Cytokine Concentration

Kanika Malani
Glastonbury High School
Mentor: Marc Hansen
Significance of the Amount of Expression of BMPR2 on Different Stages, Histological Phenotypes, and Clinical Outcomes of OS tumours

Monkia Metro
Bridgeport Regional Aquaculture Science and Technology Education Center
Mentor: Kirk Shadle
Bioencapsulation of Vitamin D3 in Brine Shrimp to Determine the Shrimp’s Efficacy As a Delivery Mechanism

Kristen Moran
Darien High School
Mentor: Bhart-Anjan Bhullar
The Origin of Birds

Neha Pashankar
Amity Regional High School
Mentor: Irina Esterlis
Comparing mGluR5 Availability Between Patients with Bipolar Depression, Major Depression Disorder and Healthy Controls Using PET

Danielle Peterson
Bridgeport Regional Aquaculture Science and Technology Education Center
Mentor: Kirk Shadle
Development of a Zero Net Energy Hydrogen Fuel Cell System for the Purpose of Generating Potable Water

Hannah Rappaport
Amity Regional High School
Mentor: Philip Corlett
Sense of Control and Perception
Anna Ryack  
Amity Regional High School  
Mentor: Michael Nizhnikov  
*The Relationship Between Impulsivity and Prenatal Alcohol Exposure in Rats*

Akhil Trehan  
Hamden Hall Country Day School  
Mentor: Frank Gasparro  
*The Effect of Oligonucleotide Sequence and Thermal Stability on Novel Psoralen Photochemistry*

Simon Stone  
Greens Farms Academy  
Mentor: Mathieu Freeman  
*Optimization of the Venturi Effect With Applications in Horizontal-Axis Hydroelectric Turbines For the Maximization of Power Coefficients*

Katie Tsui  
Darien High School  
Mentor: Yu-dong Zhou  
*The Influence of the LGI-1 Gene on Cognition of APP/PS1 Alzheimer’s Disease Mouse Models*

Lauren Telesz  
Greens Farms Academy  
Mentor: Gil Mor  
*Development of an in vitro Model of Trophoblast Growth and Invasion*

STEM Poster Exhibition — Student Union, Room 304

Samuel Applegate  
Hamden Hall Country Day School  
Mentor: Frank P. Gasparro  
*The Effect of Varying Wavelengths of LED Light on Solanine Production in Red Potatoes*

Jane Bredahl  
Darien High School  
Mentor: Corey Eddy  
*The Creation of Growth Curves for Lionfish Utilizing Information from Otoliths*

Sarah Beck  
Bridgeport Regional Aquaculture Science and Technology Education Center  
Mentor: Kirk Shadle  
*Modified Compost Leachate as a Narrow Spectrum Targeting Herbicide*

Elizabeth Ashton, Tess Cicala, Matthew McCutcheon, and Danielle Martin  
Wooster School  
Mentor: Evelyn Fetridge  
*Using Mouthwash May Have Little Effect on Microbiome Diversity and Abundance in the Human Mouth*

Andrew Benz  
Darien High School  
Mentor: Will Heher  
*Accelerating Combinatorial Attacks on Lattice-based Cryptosystems Using GPU Computing*

Gabriella Colletti  
Avon High School  
Mentor: Gregory Dunford  
*Determining the Admissibility of Handwriting Forensic Analysis Testimonies of Forgery Based Documents in Court*

Nitya Bhattarai  
Amity Regional High School  
Mentor: Arjun Aryal  
*Spatial Distribution Analysis of Damages Caused by Recent Earthquakes in Nepal*
Zachary Dillon
Bridgeport Regional Aquaculture Science and Technology Education Center
Mentor: Kirk Shadle
Novel Application of an Electromagnetic Induction Field to Inhibit Surface Bio-Fouling in the Marine Environment

Branden Fernandes & Max Matejka
Joel Barlow High School
Mentor: Katherine Nuzzo
A Novel Procedural Method for the Preparation of Photovoltaic Perovskite Solar Cells

Maya Geradi
Wilbur Cross High School
Mentor: Caroline Dahm
Exploring Conditions for Optimizing Struvite Precipitation and Crystal Growth

Dahlia Ghoshal
Glastonbury High School
Mentor: Kourosh Parham
How Cisplatin, An Anti-Cancer Drug, Affects Hearing

Alfred Green
Bridgeport Regional Aquaculture Science & Technology Education Center
Mentor: Kirk Shadle
Utilizing the Mating Calls of the Spring Peeper (Pseudacris crucifer) to Indicate Environmental Changes in the Species's Surrounding Ecosystem

Niyati Hora
Glastonbury High School
Mentor: Jessica Costa
Comparative Modeling of Signal Peptidase I Whole Exome Sequence Analysis of Sporadic Ossifying Fibroma

Erica Im
Greens Farms Academy
Mentor: Mathieu Freeman
Effect of He-Ne laser on Oral Bacteria, Streptococcus mutans, using Gram stain

Robert Marcus
Greens Farms Academy
Mentor: Mathieu Freeman

Christian Marini
Joel Barlow High School
Mentor: Katherine Nuzzo
A Novel Application of Biochar Providing Economic and Environmental Benefits

Jasmine Moon
Amity Regional High School
Mentor: William Graf
The Effect of Functional Ankyloglossia on Speech Problems

Josie Morales-Thomason
Wooster School
Mentor: Evelyn Fetridge
Human Microbiome May Become More Similar With Age

Rafat Quazi
Manchester High School
Mentor: Megan Rader
The Effects of Swaddling and Heavy Blankets on Student’s Test Anxiety

Lauren Rutledge
Darien High School
Mentor: Will Heher
The Future to Our Food Sources: The Reduction of the Feed Conversion Ratio in an Aquaponics System

Morgan Schroeter
Canton High School
Mentor: Stephen Riley
How Does UV Light Affect the Lifespan of Bacteria?

John Solomon
Canton High School
Mentor: Stephen Riley
Lasing Dyes: A Study of Rhodamine-6G
Ryan Weinstein  
Joel Barlow High School  
Mentor: Katherine Nuzzo  
A Study of the Effects of Temperature on Carbon Dioxide Intake of Crassulacean Acid Metabolism Plants

Lillian Zhang  
Amity Regional High School  
Mentor: Barbara Kazmierczak  
The Effect of Sub-minimal Inhibitory Concentration of Antibiotics on the Bacterial Swimming

SCIENCE PRESENTATION
5:15 – 6:15 p.m.  
Student Union, Room 330

Tabetha Boyajian  
Astronomer  
Post-Doctoral Fellow  
Yale University  
"Extraordinary Claims Require Extraordinary Evidence"

6:30 – 7:30 p.m.  
Banquet  
Student Union, Room 330

EVENING RECREATION
8:30 – 10:00 p.m.  
Evening Activities  
Hawley Armory

9:00 p.m.  
Night Snack

10:30 p.m.  
Lights Out
MONDAY, MARCH 14, 2016

FIRST STUDENT ORAL SESSION
9:00 – 10:15 a.m. Information Technology Engineering Building, Room C80

Aakshi Agarwal
Hamden High School
Mentor: Priti Kumar
CRISPR-based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)

Sofia Azmal
Engineering & Science University Magnet School
Yale Peabody Museum
Mentor: Valeria Aucapina
Controlled Hydrothermal Growth of Zinc Oxide Nanorods Through Block Copolymerization

Danielle Cai
Glastonbury High School
Mentor: Jing Zhao
Effectiveness of Amino Acid-Functionalized Gold Nanoparticles for Colorimetric Detection of Mercury in Water

Sarishka Desai
Darien High School
Mentor: E. Premkumar Reddy
Identification of Novel Small Molecules that Bind to K-Ras and PI3Kγ RBDs, Two Major Protein Components involved in the Deregulation of the Cell Cycle in Hematological Cancers

Thomas Diorio
Ridgefield High School
Mentor: Kenn Devane
Using Genetic Programming to Analyze the Relationship Between Vitiligo’s Predisposing Factors

REFRESHMENT BREAK / POSTER VIEWING
10:15 – 10:30 a.m. Information Technology Engineering Building Lobby
SECOND STUDENT ORAL SESSION
10:35 a.m. – 12:15 p.m.  Information Technology Engineering Building, Room C80

Katherine Handler
Amity Regional High School
Mentors: David Post and Amanda Subalusky
Sucession Variations in Kenyan Scavenger Communities and the Importance of Wildebeest Carcasses

Paul Hansel
Greenwich High School
Mentor: A.T. Charlie Johnson
An Antibody-Functionalized Graphene Transistor Lab-On-A-Chip for Selective Detection of Malaria Pathogens

Brenden Jones
Grove School
Mentor: Richard Kissel
An In-Depth Study of the Evolution from Dinosaurs to Birds

Randy Kaufman
Bridgeport Regional Aquaculture Science and Technology Education Center
Mentor: Kirk Shadle
Triboelectric Series and its Relation Concerning Power Generation in Triboelectric Nanogenerators

Victoria Li
Amity Regional High School
Mentor: Susan Kaech
Improving Cancer Immunity by Blocking a Tumor’s Sugar Addiction through Enolase Suppression

LUNCH
12:15 – 12:55 p.m.  Information Technology Engineering Building Lobby

PRESENTERS LUNCH
12:15 – 12:55 p.m.  Information Technology Engineering Building, Room 336
A lunch for presenters, their mentors, JSHS Executive Committee and Judges
THIRD STUDENT ORAL SESSION
1:00 – 2:15 p.m.  Information Technology Engineering Building, Room C80

Ryan Oleynik
Amity Regional High School
Mentor: Mu-Ping Nieh
Aggregation of Phospholipid Based Vesicle Using Triblock Polymer

Jennifer Schwartz
Ridgefield High School
Mentor: Alan Eastman
The Induction of Apoptosis in Leukemia and Lymphoma Cell Lines by Small Molecule Inhibitors through Inhibition of Antiapoptotic Proteins

Jonathan Stimpson
Darien High School
Mentor: Daniel Freedberg
The Relationship Between Exposure to Proton Pump Inhibitors and Risk for Bacteremia in ICU Patients: A Retrospective Cohort Study

Sara Tavakoli
Glastonbury High School
Mentor: Behnoush Hajian
Structure-Activity Relationship Study of Dual Inhibitors of Streptococcus Pyogenes and Methicillin-resistant Staphylococcus Aureus

LABORATORY TOURS for Students and Teachers
2:20 – 4:30 p.m.  Originating in Information Technology Lobby
As assigned on name tag

MODERATORS AND JUDGES MEETING
2:15 – 4:15 p.m.  Information Technology Engineering Building, Room 336

REFRESHMENT BREAK
4:30 – 4:45 p.m.  Information Technology Engineering Building Lobby

AWARDS PRESENTATIONS
4:45 – 5:30 p.m.  Information Technology Engineering Building, Room C80
Students

Javon Adote, New Haven Academy
* Aakshi Agarwal, Hamden High School
Figen Agis, Mercy High School
Libby Albanese, Joel Barlow High School
Arfan Ali, Manchester High School
Rachelle Ambroise, Academy of Our Lady of Mercy at Lauralton Hall
Amelia Antonucci, Hamden High School
*** Samuel Applegate, Hamden Hall Country Day School
*** Elizabeth Ashton, Wooster School
* Sofia Azmal, Engineering & Science University Magnet School
Rick Basak, Hamden High School
*** Sara Beck, Bridgeport Regional Aquaculture Science and Technology Education Center
*** Andrew Benz, Darien High School
Elyse Bergeron, Putnam High School
*** Nitya Bhattarai, Amity Regional High School
Christelle Bibo, Manchester High School
Samuel Bidwell, Hall High School
Lily Bourneval, Coginchaug Regional High School
Margaret Bove, Litchfield High School
Trisha Brady, Jonathon Law High School
Jahz Branch, New Haven Academy
*** Jane Bredahl, Darien High School
JJ Brentson, West Haven High School
Jack Breton, Greater Hartford Academy of Mathematics and Science
Aneeka Britto, Ridgefield High School
Erin Brown, Sacred Heart High School
Heather Brown, Sacred Heart High School
* Danielle Cai, Glastonbury High School
Jackson Cashman, Ridgefield High School
Alivia Castle, Bristol Eastern High School
Nicolas Cazzangia, Bethel High School
Leelakrishna Channa, Glastonbury High School
Ajitha Chivukula, Bethel High School
Eugenia Cho, Mercy High School
Hannah Chua-Reyes, Mercy High School
*** Tess Cicala, Wooster School
*** Gabriella Colletti, Avon High School
Rachel Conover, Northwest Catholic High School
Kaleigh Conway, Darien High School
Bryan Coppinger, Joel Barlow High School
Jacob Corolla, New Haven Academy
Andre Costa, Conard High School
Thomas Costello, Conard High School
Teddy Criscuolo, Amity Regional High School
Hannah Curran, Litchfield High School
Brianna Cyr, Sacred Heart High School
Jay Dalal, Manchester High School
Lani Davidoff, Hall High School
Whitney Davis, Hamden High School
Harrison Dayton, Bristol Eastern High School
Alfred DeLeon, Sacred Heart High School
* Sarishka Desai, Darien High School
Elizabeth Devine, Hall High School
Cheyenne Dibble, Manchester High School
*** Zachary Dillon, Bridgeport Regional Aquaculture Science and Technology Education Center
* Thomas Diorio, Ridgefield High School
Mahoghany Dolberry, Darien High School
Henry Dowling, Greenwich High School
Aysa Dunne, Manchester High School
Andrew Duval, Killingly High School
Veronica Eskander, Northwest Catholic High School
Evelyn Fabian, West Haven High School
** Kylie Fawcett, Bridgeport Regional Aquaculture Science and Technology Education Center
Dean Fazzino, The Academy of Aerospace and Engineering
*** Branden Fernandes, Joel Barlow High School
Emily Galvao, Sacred Heart High School
Robert Geissler, Grove School
*** Maya Geradi, Wilbur Cross High School
Virginia Gerig, Staples High School
*** Dahlia Ghoshal, Glastonbury High School
Daniel Gitelman, Hall High School
Colman Glagovich, Hall High School
Jordana Graveley, Conard High School
Tawana Gray, Hamden High School
*** Alfred Green, Bridgeport Regional Aquaculture Science & Technology Education Center
Rachel Guay, Sacred Heart High School
** Chinanu Gubor, Hill Regional Career High School
** Paul Han, Glastonbury High School
Adele Hancock, Joel Barlow High School
* Katherine Handler, Amity Regional High School
* Paul Hansel, Greenwich High School
** Vanessa Hansen-Quarrey, Engineering & Science University Magnet School
Ben Harris, Glastonbury High School
Brian Henderson, New Haven Academy
Lydia Henning, Hall High School
** Reshana Homma, Glastonbury High School
*** Niyati Hora, Glastonbury High School
Khundker Hossain, Manchester High School
Ding Howard, Amity Regional High School
Kristjana Hyka, West Haven High School
Jaiden McMorris, New Haven Academy
Ryan McNeil, Xavier High School
Katherine Meehan, Amity Regional High School
Peyton Mello, Litchfield High School
Juan Pablo Mesa, West Haven High School
** Monika Metro, Bridgeport Regional Aquaculture Science and Technology Education Center
Morgan Mettler, Wooster School
Luc Milam, Xavier High School
Grace Miller, Hall High School
Meghan Mitnick, Sacred Heart High School
*** Jasmine Moon, Amity Regional High School
*** Josie Morales-Thomas, Wooster School
** Kristen Moran, Darien High School
Katharine Morris, Bridgeport Regional Aquaculture Science and Technology Education Center
Irvie Mumar, West Haven High School
Eva Murphy, Ridgefield High School
Lauren Murphy, Northwest Catholic High School
Brett Myskowski, Xavier High School
Tatiana Naclerio, Joel Barlow High School
Sreenidhi Nair, Greater Hartford Academy of Mathematics and Science/Academy of Aerospace and Engineering
Jordan Negron, Jonathan Law
Julia Nguyen, Conard High School
Briskin Noah, Grove School
Leon Novak, Greater Hartford Academy of Mathematics and Science
* Ryan Oleynik, Amity Regional High School
Alexandra Opoka, Bristol Eastern High School
Sofía Orrico, Bethel High School
Andres Pacheco, West Haven High School
Amelia Packard, Glastonbury High School
Joshua Palmer, East Haven High School
Taylor Pane, Northwest Catholic High School
** Neha Pashankar, Amity Regional High School
Ketaki Pawar, Academy of Aerospace and Engineering
Shawn Perry, Glastonbury High School
Nazair Peters, New Haven Academy
** Danielle Peterson, Bridgeport Regional Aquaculture Science and Technology Education Center
Brenden Picard, Putnam High School
Natalie Pinkowski, Glastonbury High School
Ryan Polistena, Bethel High School
Charles Pratt, Ridgefield High School
*** Rafat Quazi, Manchester High School/Academy of Aerospace and Engineering
Taryn Rahman, Manchester High School
Ekam Rai, Bethel High School
Kavita Rana, Jonathan Law High School
** Hannah Rappaport, Amity Regional High School
Theodore Reed, Greater Hartford Academy of Mathematics and Science
Skylynn Reyes, Bridgeport Regional Aquaculture Science and Technology Education Center
Will Rief, Joel Barlow High School
Jill Rodgers, Bethel High School
Avriana Rodriguez, New Haven Academy
Ben Ruffing, Joel Barlow High School
Benjamin Russ, Xavier High School
Rachel Russell, Yale Peabody Museum
***
Lauren Rutledge, Darien High School
**
Anna Ryack, Amity Regional High School
Connor Sandagata, Hamden Hall Country Day School
Katerine Santiago, New Haven Academy
Alex Scheck, Ridgefield High School
***
Morgan Schroeter, Canton High School
* Jennifer Schwartz, Ridgefield High School
Emily Senecal, Conard High School
Melissa Shea, West Haven High School
Emily Shen, Glastonbury High School
Paige Sheridan, West Haven High School
Jenasia Shuler, Mercy High School
Oviance Shuler, New Haven Academy
Julia Silverman, Hall High School
Gaggunpreet Singh, Bristol Central High School
Amanda Slesinski, Academy of Our Lady of Mercy at Lauralton Hall
India Sloane, West Haven High School
Natalie Smith, Northwest Catholic High School
Yashaswini Soleti, Academy of Our Lady of Mercy at Lauralton Hall
***
John Solomon, Canton High School
Donovan Soucy, Bristol Eastern High School
Brianna St.Onge, Bristol Central High School
Emily Stadnicki, Bristol Eastern High School
Erin Stangel, Old Saybrook Senior High School
Emily Stanwood, Coginchaug Regional High School
* Johnathan Stimpson, Darien High School
**
Simon Stone, Greens Farms Academy
Gabrielle Stonoha, Manchester High School
Gwenyth Stuard, Bethel High School
Katelyn Sun, Joel Barlow High School
Hadyn Sundgren, Bristol Central High School
Nicholas Szabo, Greenwich High School
Tim Tamallanca, Joel Barlow High School
* Sara Tavakoli, Glastonbury High School
Zachary Taylor, Xavier High School
**
Lauren Telesz, Greens Farms Academy
Francis Thomas, Ridgefield High School
Ruth Tian, Conard High School
** Akhil Trehan, Hamden Hall Country Day School
Nicole Truszkowski, Bristol Central High School
** Katie Tsui, Darien High School
Zachary Tu, Hamden High School
Katerina Valente, Sacred Heart High School
Nicholas Van Den Nieuwenhuizen, Ridgefield High School
Matthew Varnum, Bristol Central High School
Haile Velazquez, Bristol Central High School
Allyson Voelker, Northwest Catholic High School
Casey Walters, Bristol Central High School
Claire Wang, Hamden Hall Country Day School
Hong Wei ting, Northwest Catholic High School
*** Ryan Weinstein, Joel Barlow High School
Taylore Westbrook, Glastonbury High School
Wayde Whichard, Yale Peabody Museum
Alexa Wilson, Greater Hartford Academy Of Mathematics And Science
Hunter Woitowitz, Xavier High School
Grant Worthington, Joel Barlow High School
Kevin Yanagisawa, Amity Regional High School
William Yin, Greenwich High School
Rain Yuan, Northwest Catholic High School
*** Lillian Zhang, Amity Regional High School
Ziwei Zhou, Hamden Hall Country Day School
Brianna Zipke, Bristol Central High School
Kayla Zmayefski, Killingly High School

* Oral Presenter
** Poster Presenter
*** STEM Exhibition Participant
Teachers

Ann Marie Aguiar, Hamden High School
David Applegate, Xavier High School
Andrew Bramante, Greenwich High School
Michael Cassone, East Haven High School
Deborah Day, Amity Regional High School
Birdsall Dean, Litchfield High School
Kevin Dickson, West Haven High School
Greg Dunford, Avon High School
Evelyn Fetridge, Wooster School
Francis P Gasparro, Hamden Hall Country Day School
William Heher, Darien High School
Keirsten Huttig Williams, Simsbury High School
Chris Lener, Wooster School
Emily MacMelburn, New Haven Academy
Andrea Motto, Peabody Museum Evolutions Program
Katherine Nuzzo, Joel Barlow High School
Jennifer Piehler, Killingly High School
Diane Pintavalle, Glastonbury High School
Joanne Poffenberger, West Haven High School
Santiago Reyes, The Grove School
Kirk Shadle, Bridgeport Regional Aquaculture Science and Technology Education Center
Nicole Shook, Bristol Central High School
Marissa Stankiewicz, Putnam High School
Raymond Turek, Bethel High School
Melanie Vetrano, Bristol Eastern High School
Jaci White, Northwest Catholic High School
Notes
COOPERATING ORGANIZATIONS

Connecticut State Board of Education
Connecticut Science Teachers Association, Inc.
Connecticut Science Supervisors Association
Connecticut Association of Secondary Schools
Connecticut Association of Independent Schools, Inc.
Educators for Responsible Science
National Association of Secondary School Principals

EXECUTIVE COMMITTEE - CONNECTICUT JSHS

Jonathan Craig, Talcott Mountain Science Center, Avon
Terri Clark, Connecticut Academy of Science and Engineering, Middletown
Deborah Day, Amity High School, Woodbridge
Joy Erickson, Director, CT-JSHS, University of Connecticut
Robert Erickson, Pratt & Whitney, East Hartford
Sandra Justin, Neag School of Education, University of Connecticut
Frank LaBanca, Principal, Westside Middle School Academy Magnet, Danbury
John Lisorti, Killingly High School, Danielson
Diane Pintavalle, Glastonbury High School, Glastonbury
Timothy Reid, East Hartford High School, East Hartford
James Sulzen, Neag School of Education, University of Connecticut
Jon Swanson, Edwin O. Smith High School, Storrs
Ralph Yulo, Eastern Connecticut State University, Willimantic

STUDENT PRESENTATION MODERATORS

Terri Clark          Robert Erickson
Associate Director          Manufacturing Engineer
Connecticut Academy of          Pratt & Whitney
Science and Engineering          United Technologies Corporation
Rocky Hill, CT          East Hartford, CT
Fifty-Third Connecticut

JUNIOR SCIENCE and HUMANITIES SYMPOSIUM

The University of Connecticut       March 13 and 14, 2016

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