

Scholars Day

Wesley College
Dover, Delaware



April 18, 2013

Schedule of Events

Wells Auditorium (Slaybaugh Hall 107)

1:00 – 1:05

Welcome & Opening Remarks

Dr. Patricia Dwyer

Vice President for Academic Affairs of Wesley College

Wells Auditorium (Slaybaugh Hall 107)

1:05 – 1:20

Keynote Address: Mark A. Rossi

Vice President, Sales and Marketing

Dover Motorsports, Inc.

Session I

1:25-2:10

Musical Performances

Oral Presentations

Session II

2:15-3:00

Oral Presentations

Poster Presentations

Session III

3:05-3:50

Oral Presentations

Session IV

3:55-4:40

Oral Presentations

4:45-5:15

Reception & Ceremony

Musical Performances in Wells Auditorium (Slaybaugh Hall 107),

Oral Presentations in Wells Auditorium (Slaybaugh Hall 107),

Slaybaugh Hall 104, Cannon Hall 7 (Kresge Auditorium),

Cannon Hall 110, and Parker Library 211

Poster Presentations

College Center Lobby & DuPont Gallery

Reception & Ceremony in College Center 206

Musical Performances: Session I

1:25 – 2:10

Wells Auditorium (Slaybaugh Hall 107)

Moderator: David Laganella

Assessor: Susan Bobby

Wesley Gospel Choir; Director: Karla Jones
Wesley Concert Choir; Director: James Wilson

Wesley Wind Symphony
Brian Cass, Conductor

Oral Presentations: Session I

1:25-2:10

Panel 1: Cannon Hall 110

Moderator: William Kroen

Assessor: Lynn Everett

The Benefits of Cardiovascular Rehabilitation
Jordan Gendrachi

Athletics and Academics in a Division I University
Timothy Putman

Panel 2: Cannon Hall 7 (Kresge Auditorium)

Moderator: Stephanie Holyfield

Assessor: Brantley Craig

Living under the Drone
Brandon Reynolds

The Housing Bubble: Explanatory Variables of Housing Prices
David Gorski

Panel 3: Parker Library 211

Moderator: Susanne Fox

Assessor: Thomas Sturgis

Rome, Florence, and Venice: Italy's Diverse History and Culture
Alex Dello Buono and Brian David

In Search of Irish Music
Taylor Jackson

Oral Presentations: Session II

2:15-3:00

Panel 1: Wells Auditorium (Slaybaugh Hall 107)

Moderator: Ann Rogge

Assessor: Jessica James

Restorative Justice

Lorrie Foy

*The Use of African-American Vernacular English in Zora Neal Hurston's
Their Eyes Were Watching God*

Bianca Bailey

Panel 2: Slaybaugh Hall 104

Moderator: Victor Greto

Assessor: Marilyn Johnson

Robotic Technology and the Global Society

Azure Johnson

Suicide Prevention: Needs Assessment

Shanna Bryant

Panel 3: Cannon Hall 110

Moderator: Rebecca Benson

Assessor: Steven Groccia

Athlete's Opinion: Free Body Weight vs. Fixed Machine

Robert Biggs

Calculating the Guggenheim Equation for First-Order Relations using Maple

Kyle Gillespie

Panel 4: Cannon Hall 7 (Kresge Auditorium)

Moderator: Julie Fisher

Assessor: Frank Fiedler

Will You Retire Happy?

Devon Bartell, Kiana Long, Byshi Watson, Tracey Walsh,
Lindsey Dimuzio, Jarrett Williams Omega Dabale, and Sean Hopkins

*To Eat or Not to Eat?: A Study of Consumer Dine-Out Decisions and
Restaurant Promotion Strategies*

Travis Alano, Saha Zhan, and Ishamar A. Malcolm

Panel 5: Parker Library 211

Moderator: Susanne Fox

Assessor: Charlisa Edelin

Paris and Bruges: A Comparison of History and Culture

Isnara St. Phard and Nicole Oyola

History Department Museum Studies Exhibits

Celeste Montgomery

Poster Presentations

2:15-3:00 p.m.

College Center Lobby & DuPont Gallery

Approximating Unknown Masses of Asteroids by using Calculus

Kasey Thompson

Solvolytic Rate Study of Vinyl and Allyl Choloformate

Aaron Givens

Mechanism of Reaction for 5-Methylfuran-2-Carbonyl Chloride

Ashley Harmon

*Employing Linear Free Energy Relationships (LFERs) to Deduce Solvolytic
Reaction Mechanisms*

Maryeah Pavey and Jasbir Deol

Perceptions which Differentiate

Khawaja Abdul Hameed

Pesticides Database

Benjamin Barile and Aaron Givens

Differentiating Electronic Effects in Substituted Aryl Chlorothionoformate Esters

Brett Sansbury

Territoriality and Dominance Behavior in the Siamese Fighting Fish

Shannon Perry, OsShan Chapman, Brittany Tieman, Amanda Hudson, and Amber Wiltbank

The Effect of Agriculture and Forest Land Use on Soil Quality

Taylor Hendricks

Feasibility Study of Residential Wind Power
Jessica Small

How “The Great Recession” Affected the Barbados Economy
Shane Jacobs

Effects of Sensory Overload and Sleep Deprivation on Patients in Intensive Care: A Synthesis of Current Research
Megan Varga

Effectiveness of MA099 as a Prerequisite Course
Khwaja Abduhl Hameed

Human Pheromones: Can Reproductive Status be Determined by Scent Alone?
Rachel Hausler, Jason Forges, Kiah Goodison, Amber Miller,
Devin Price, Kristen Ward, and Jonie Woodard

Relationship between College Students’ GPA, Family Constellation, Self-Efficacy, Conscientiousness, and Grit Survey Scores
Chris Fucetola and Carissa Gilligan

Coaching Certification as a Requirement for High School Coaches in Delaware
Morgan Rupp

Involving the Community in Chemistry
Victor DeBarros and Maryeah Pavey

*Insights into the Solvolytic Mechanism of *o*-Chloro-2 (trifluoromethyl) Benzyl Chloroformate*
Catherine Gross and Kaylee Miller

*Comparative Study of Hairy Vetch (*vicia villosa*) and Alfalfa (*medicago sativa*) Under Salinity Effects and the Characterization of the PvLEA3 Gene*
Amber Wiltbank and Michael Butler

Nest-Box Site Preference in Eastern Screech-Owls: Forested vs. Non-Forested Areas
Olivia Hampton

Quantifying Nutrient and Sediment TMDLs of a Residential Development Proposal
Melissa Savin

A Feasibility Study on the Use of Geothermal Energy for Residential Homes in the Eastern United States
Ashley George

Cultural Differences and Similarities between America and Barbados
Charminta Brown

*Coping Strategies that Positively Affect Type 1 Diabetes Management
in the Adolescent Population: A Literature Review*
Samantha Weiss

Chronic Obstructive Pulmonary Disease (COPD) Education
Jonell Garrett and Carol Smith

A Comparative Analysis of Acid-Base vs. Conductimetric Titrations
Olivia Hampton

Solvolysis of Diallyl Carbamyl Chloride
Victor DeBarros and Kyle Gillespie

*An Insight into Glycogen Synthase Kinase 3 Beta's (GSK-3 β)
Network of Protein Substrates using Protein Ontology and Text-Mining Resources*
Gabriel Alejandro Fernandez Bueno

United States and Barbados Differences in Business Practices
Philip Cooper and Lance Toomer

<p style="text-align: center;"><u>Oral Presentations: Session III</u> 3:05-3:50</p>

Panel 1: Wells Auditorium (Slaybaugh Hall 107)

Moderator: Jeffrey Gibson

Assessor: Paul Olsen

The Beauty System
Megan Condon

The Nature of Reality
Tristin Buris

Panel 2: Slaybaugh Hall 104

Moderator: Kraiwinee Bunyaratavej

Assessor: Jeffrey Mask

Publishing Under Fire
Melissa Boyd

Invasive Pacific Lionfish in Barbados

Shannon Perry

Panel 3: Cannon Hall 110
Moderator: Malcolm D'Souza
Assessor: Harry Maxson

Eating Habits among College Students
Karri-Jo Walls

The Effect of Hunting on Population Dynamics of Delaware Wild Turkeys
Ashley Harmon

Panel 4: Cannon Hall 7 (Kresge Auditorium)
Moderator: Yu Tian
Assessor: Sarahat Pongsree

Marketing Strategy of a Small Business in a Declining Industry
Taylor Broomall

Exposure and Awareness: Promotional Strategies for Startup Fashion Designers
Omega Peter Dabale, Jason Chen, Byshi S. Watson, and Danielle Anthony

Panel 5: Parker Library 211
Moderator: Susanne Fox
Assessor: Patricia Sherblom

George Washington and the French and Indian War
Brian Blomgren

Oral Presentations: Session IV
3:55-4:40

Panel 1: Wells Auditorium (Slaybaugh Hall 107)
Moderator: James Wilson
Assessor: Agashi Nwogbaga

Music and Visual Art of the Renaissance
Julianne Morris

Music Composition and Technology
Marissa Richardson

Panel 2: Slaybaugh Hall 104
Moderator: William Kroen

Assessor: Elizabeth Siemanowski

Food Security in Urban Areas
LeRoy Demarest and Courtney Kozar

Panel 3: Cannon Hall 110
Moderator: Malcolm D'Souza
Assessor: Cynthia Newton

Interdisciplinary Analysis of Microorganisms Inhabiting Bodies of Water in Delaware
Brett Sansbury

Enzyme Kinetic Comparison between Brewer's and Commercial Yeast Strains
Gabriel Alejandro Fernandez-Bueno

Panel 4: Cannon Hall 7 (Kresge Auditorium)
Moderator: Jill Winnington
Assessor: Angela D'Antonio

Through their Eyes: A Look into the World of Autism
Lauren and Jennifer DeVore

Reception in honor of all Scholars Day student participants
4:45-5:15
College Center 206

Mentors

Barbara Abbot
Bruce Allison
Cecilia Arighi
Susan Bobby
Kraiwinee Bunyaratavej
Kathleen Curran
Angela D'Antonio
Malcolm D'Souza
Linda DeRoche
Sathya Elavarthi
Lynn Everett
Frank Fiedler
Susanne Fox
Frank Gregory
Victor Greto
Kerry Harbor

Chris Jarrell
Venu Kalavacharla
Jonathon Kidd
William Kroen
David Laganella
Elizabeth Marchioni
Jeffrey Mask
Kalpalatha Melmaiee
Cynthia Newton
Michael Nielsen
Agashi Nwogbaga
Nancy Rubino
Elizabeth Siemanowski
Diane Stetina
Judith Strasser
Thomas Sturgis
Yu Tian

Alban Urbanas
Derald Wentzien
James Wilson
Jill Winnington
Deborah Wool
Cathy Wu

Harry Maxson
Cynthia Newton
Agashi Nwogbaga
Sarahat Pongsree
Patricia Sherblom
Elizabeth Siemanowski
Thomas Sturgis

Scholars Day Committee

Kathleen Curran
Richard Kashmar
Elizabeth Marchioni
Jerry Mench
Valerie Perez
Alban Urbanas

Special Thanks

Patricia Dwyer
Malcolm D'Souza
Bryan Zarou and the SGA

Moderators

Rebecca Benson
Kraiwinee Bunyaratavej
Malcolm D'Souza
Julie Fisher
Susanne Fox
Victor Greto
Jeffrey Gibson
Stephanie Holyfield
William Kroen
David Laganella
Ann Rogge
Yu Tian
James Wilson
Jill Winnington

Assessors

Angela D'Antonio
Susan Bobby
Brantley Craig
Charlisa Edelin
Lynn Everett
Frank Fiedler
Steven Groccia
Jessica James
Marilyn Johnson
Paul Olsen
Jeffrey Mask



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