

**Mentors**

Bruce Allison  
Kraiwinee Bunyaratavej  
Kathleen Curran  
Linda DeRoche  
Malcolm D'Souza  
Lynn Everett  
Frank Fiedler  
Susanne Fox  
Jeffrey Gibson  
Victor Greto  
Jessica James  
David Laganella  
Lynn Lofthouse  
Joseph Mullan  
Agashi Nwogbaga  
Nancy Rubino  
Derald Wentzien  
Ying Zhang

**Scholars Day Committee**

Susan Bobby  
Angela D'Antonio  
Lynn Everett  
Frank Fiedler  
Tery Griffin  
Ying Zhang

**Moderators & Assessors**

Jack Barnhardt  
Jill Cole  
Colleen Di Raddo  
Julie Fisher  
Frank Gregory  
Victor Greto  
Jessica James  
Richard Kashmar  
William Kroen  
David Laganella  
Marcia Lawton  
Lynn Lofthouse

**Special Thanks**

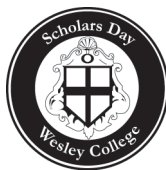
Patricia Dwyer  
Tanner Polce and the SGA

# Scholars Day

Wesley College  
Dover, DE



April 13, 2011



## Schedule of Events

1:00 – 1:15

Welcome & Opening Remarks

Dr. Patricia Dwyer

Vice President for Academic Affairs of Wesley College

1:20 – 2:00

Performances: Session I

2:05 – 2:45

Oral Presentations: Session II

Poster Presentations & Photography Display

2:50 – 3:30

Oral Presentations: Session III

3:35 – 4:15

Oral Presentations: Session IV

4:15

Reception & Ceremony

Oral Presentations and Performances in Wells Auditorium &  
Kresge Auditorium (Cannon 7)

Poster Presentations & Photography Display  
in College Center Lobby & DuPont Gallery

Reception & Ceremony in College Center 206

### **Oral Presentations: Session IV**

3:35 – 4:15

**Panel 1: Wells Auditorium**

**Moderator: Jessica James**

*Amazing Contributions of Women in Mathematics*  
Azure Johnson and Jessica Curry-Keith

*African American Stereotypes*  
Chardiney Wood

*Disregarded, Degraded, and Disrespected:  
How Racism Worsened in the Northeastern United States  
from the 1950s into the early 1970s*  
Jim Dorton

**Panel 2: Kresge Auditorium**

**Moderator: Lynn Lofthouse**

*Abortion & Its Effects on the American Home*  
Victoria Hall

*A Canadian at War: The Wartime Exploits of  
Chancy Morey, Royal Canadian Air Force*  
Eric Czerwinski

*Expatriate Philosophy in The Sun Also Rises*  
Nicholas Hancock

**Oral Presentations: Session III**

2:50 – 3:30

**Panel 1: Wells Auditorium**  
**Moderator: Victor Greto**

*Style or Substance? How the Technical Evolution of Special Effects  
in Film has Impacted American Moviegoing Culture*

Chris Agar

*Importance of Mathematics in Entertainment*  
Ben Barile and Marquese Proctor

**Panel 2: Kresge Auditorium**  
**Moderator: William Kroen**

*Export Efficiency Comparisons: A Country Level Analysis*

Chelsea Pratt, Songphon Kannasut, Abdu James,  
Paola Garces, Christopher Donisi, and Travis Vogl

*Foreign Direct Investment Determinants:  
The case of the United States and China*  
Evan Day, William Sutton, Daniel Canova,  
and Ashley Murphy

**Performances: Session I**

1:20 – 2:00

**Wells Auditorium**  
**Moderator: David Laganella**

*Contemporary Music Ensemble*  
David Laganella

*Wesley College Choir*  
James Wilson, Conductor

*The Rehearsal Process*  
Nicholas Hancock

**Oral Presentations: Session II**

2:05 – 2:45

**Panel 1: Wells Auditorium**  
**Moderator: Jack Barnhardt**

*Reporting on College Statistics*  
Kim Manahan

*Cultural Metaphor: America as a  
Schoolyard Bully / America as a Farmer*  
Daniel Canova and Chris Hall

**Panel 2: Kresge Auditorium**  
**Moderator: Julie Fisher**

*First Friday Marketing Campaign*  
Garrett Kaczmarczyk, Stephanie Bailey, and Mary Ellen Wood

*Healthcare and the Internet*  
Christina Schafer and Erika Tanase

**College Center Lobby & DuPont Gallery**  
Poster Presentations & Photography Display

**Poster Presentations**

*Students' Perceived vs. Actual Grade in MA099*  
Carlé Ax

*Predicting Success with Math Diagnostic Test*  
Carlé Ax and Steven Cook

*Student's View on How to Achieve Academic Success*  
Ashley Russell & Charles Bode

*The Effects of Surrounding Land Use on Water Quality  
of the Choptank River, Maryland*  
Rachel Bozarth

*A Linear Program That Will Schedule Employees More Efficiently*  
Melissa Earley

*Chloroformates in Daily Life*  
Gabriel Fernandez and James Welsh

*Database of Common Pesticides and Fertilizers in Delaware*  
Aaron Givens

*Discriminant Analysis of Factors in Wesley College  
Students' Graduation Success*  
Abdul Hameed

*A Geospatial Analysis of the Impact of Landuse On Potential  
Loadings of Nonpoint Source Pollutants to Surface Waters*  
Taylor Hendricks

*Kids in Chemistry*  
Laura Hinkle

*Understanding Solvent Effects of sp<sup>2</sup>-hybridized Chloroformate Esters*  
Jaci Knapp

*Which high school math curriculum is more effective in  
preparing students for college level math courses?*  
Keven Lion and Nicholas Cimino

*Italia*  
Alexander Lopuchin and Courtney Davison

*Correlation of the rates of solvolysis of vinyl chloroformate*  
Peter Lorchak

*Insights into the solvolytic mechanism of alkyl thioesters*  
Brian Mahon

*Understanding Reaction Mechanism of 1-Chloroethyl Chloroformate*  
Matthew McAneny

*The Modeling of Credit Card Charge-Off*  
Patrick McCoy

*Determining Whether Math Pretests can Forecast the Future*  
Adam McGuire, Patrick McCoy, and Erich Gillespie

*A Modeling Approach to Evaluate the Effectiveness of  
Agricultural Best Management Practices*  
Greg McKee

*Solvolysis*  
Annie O'Connor and Ashley Harmon

*Effects of Varying Landuse on Macroinvertebrate Diversity  
in Freshwater Streams*  
Kristopher Roeske

*In Search of Traditional Irish Music*  
Amanda Sanchez and Tiffany Furtak

*Reanalyzing the Solvolysis of 2,2,2, Trichloroethyl-dimethyl-chloroformate*  
Brandon Sandosky

*Using GIS to Select Wind Farm Sites*  
Melissa Savin

*Stabilizing Neonates: The Need For More Effective  
Pain Management in Neonatal Intensive Care Units*  
Julias Vekasy

**Photography Display**

CJ Bacote, Aaron Benson, Chloe Dawson,  
Antonio Gary, Abby Hill, Amanda Horkey,  
Alissa Kolanko, Jonathan Salacuse, and Megan Watson