
Thursday and Friday, October 23 and 24, 2008

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Conference partially supported by National Science Foundation grant CHE-0515691(PI: Harold M. Hastings; Co-PI: Sabrina G. Sobel). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.
Dear Fellow Educators:

I would like to formally invite you to join us at Building a Scientifically Literate Population and Workforce for the 21st Century - Part 2: The Science of Patterns and Colors. I expect that the conference will provide an additional opportunity for all of us to work together in our shared mission of educating our nation’s future scientists and science educators. We have arranged an outstanding program with plenty of time for everyone to interact.

I am also pleased to let you know that we have support from the National Science Foundation to reimburse the registration fees for up to 50 educators who need assistance in order to attend. Please note that any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Sincerely,

Harold M. Hastings
Chair and Professor of Physics
Department of Physics and Astronomy

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**THURSDAY, OCTOBER 23, 2008**

<table>
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<tr>
<th>Time</th>
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| 11:30 a.m.-4 p.m | CONFERENCE REGISTRATION AND COFFEE  
Greenhouse, Sondra and David S. Mack Student Center  
Lower Level, North Campus |
| Noon-1 p.m.   | LUNCH (on your own)                                   |
| 1-1:30 p.m.   | OPENING REMARKS                                       |
|              | Herman A. Berliner  
Provost and Senior Vice President for Academic Affairs  
Lawrence Herbert Distinguished Professor  
Hofstra University |
|              | Bernard J. Firestone  
Dean and Professor of Political Science  
Hofstra College of Liberal Arts and Sciences  
Hofstra University |
|              | Karin Spencer  
Associate Dean  
School of Education, Health and Human Services  
Hofstra University |
THURSDAY, OCTOBER 23, 2008

1:30-3 p.m.  SESSION I: PATTERNS AND COLORS IN SCIENCE EDUCATION

Jacqueline Grennon Brooks
Associate Professor of Curriculum and Teaching
Department of Curriculum and Teaching
Hofstra University

Sylvia Silberger
Associate Professor of Mathematics
Department of Mathematics
Hofstra University

3-4 p.m.  SESSION II: VIDEO CONFERENCE: NSF GRANT OPPORTUNITIES

Christopher Egan
Assistant Dean, Research and Sponsored Programs
Office for Research and Sponsored Programs
Hofstra University

NSF (National Science Foundation) Grant Opportunities
Representative, NSF

4-5 p.m.  POSTER SESSION AND COFFEE BREAK

6-7:30 p.m.  DINNER  (on your own)

7:30-9 p.m.  PLENARY LECTURE AND IDEAS SEMINAR

Monroe Lecture Center Theater
California Avenue, South Campus

“Order Out of Chaos: How Molecules Can Organize Themselves”

John A. Pojman
Professor of Macromolecular Science
Department of Chemistry
Louisiana State University

Co-sponsored by the Institute for the Development of Education
in the Advanced Sciences (IDEAS) of Hofstra University
8:30 a.m.-3 p.m.  CONFERENCE REGISTRATION AND COFFEE
Greenhouse, Sondra and David S. Mack Student Center
Lower Level, North Campus

HIGH SCHOOL AND UNDERGRADUATE STUDENT RESEARCH POSTER SETUP
Individuals presenting posters may set up at this time in the Greenhouse.

9-9:30 a.m.  PATTERNS THAT FORM IN AN OSCILLATING CHEMICAL REACTION:
A DEMONSTRATION
Sabrina G. Sobel
Chair and Professor of Chemistry
Department of Chemistry
Hofstra University
Conference Co-Director

CONCURRENT SESSIONS

9:30-11 a.m.  SESSION III-A: ELEMENTARY LEVEL CHEMISTRY WORKSHOP
Workshop Leader
Sabrina G. Sobel

9:30-11 a.m.  SESSION IIIB: MIDDLE SCHOOL LEVEL CHEMISTRY WORKSHOP
Workshop Leader
Irene Plonczak
Assistant Professor of Curriculum and Teaching
Director, Master of Arts Program in Elementary Education,
Specialization in Math, Science and Technology
Hofstra University
Conference Co-Director

11 a.m.-Noon  HIGH SCHOOL AND UNDERGRADUATE STUDENT RESEARCH POSTER SESSION

Noon-1:15 p.m.  LUNCH  (on your own)
SESSION IV: HIGH SCHOOL RESEARCH: IN HIGH SCHOOL AND AT HOST INSTITUTIONS

Discussion Leaders

Nanette M. Wachter
Associate Professor of Chemistry
Department of Chemistry
Hofstra University

Angela Lukaszewski
Adjunct Associate Professor of Physics
Department of Physics and Astronomy
Hofstra University

and

Research Facilitator
Syosset High School
Syosset, NY

2:30-3 p.m. COFFEE BREAK

SESSION V: THE UNDERGRADUATE RESEARCH EXPERIENCE

Stephen Chaterpaul*
Ph.D. Candidate in Chemistry
Stony Brook University

Allison Haigney
Ph.D. Candidate in Chemistry
Stony Brook University

Elizabeth Russell*
Ph.D. Candidate in Mathematics
Boston University

*Participated in NSF-funded summer research experience

4 p.m. CLOSING RECEPTION

Sabrina G. Sobel
Irene Plonczak
Harold M. Hastings

A Professional Development Certificate for participation in this conference will be mailed upon request.
CONFERENCE REGISTRATION FORM

Mail or fax to:
The Science of Patterns and Colors
Hofstra Cultural Center
243 Gallon Wing
113 Hofstra University
Hempstead, NY 11549-1130
Tel: (516) 463-5669
Fax: (516) 463-4793

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Hofstra University is 100-percent program accessible to
persons with disabilities.

Cancellations: A $15 administrative fee will be deducted from
registration refunds; however, notice in writing must be received
by October 16, 2008.

Returned Checks: A $25 handling fee (official bank policy)
will be charged for returned checks.

CONFERENCE EVENTS AND FEES

POSTER PRESENTATION*  ☐ YES  ☐ NO

WORKSHOP ATTENDANCE  ☐ ELEMENTARY SCHOOL  ☐ MIDDLE SCHOOL

REGISTRATION FEE: $20

NO. OF PERSONS __________

TOTAL AMOUNT $________

All events (with the exception of meals) are FREE to Hofstra students, faculty and staff upon
presentation of a current Hofstra Card.

*Please send a title, abstract, authors and name of presenter to Sabrina.G.Sobel@hofstra.edu by
October 9, 2008, for inclusion in the final program.
LOCATION OF HOFSTRA UNIVERSITY

HOFSTRA UNIVERSITY is located in Hempstead, Long Island, New York, about 25 miles east of New York City, less than an hour away by train or automobile. The Long Island Rail Road (LIRR) has frequent trains to the Hempstead Station and the Mineola Station from Pennsylvania Station, located at 34th Street and 7th Avenue, New York City, as well as from the Flatbush Avenue Station in Brooklyn, New York. Use local taxi service to the Hofstra campus.

LOCAL TAXI SERVICE:
All Island Taxi Service  (516) 481-1111
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Pub Taxi Service  (516) 483-4433
Ollie's Airport Service  (516) 437-0505
(516) 352-6633
(718) 229-5454

BY CAR: Travel on the Long Island Expressway to exit 38, Northern State Parkway to Meadowbrook Parkway South (exit 31A), or Southern State Parkway to Meadowbrook Parkway North (exit 22N). Take Meadowbrook Parkway to exit M4 (Hempstead Turnpike). Proceed west on Hempstead Turnpike (Route 24W) to the Hofstra campus (approximately one mile).

FOR FURTHER INFORMATION, CONTACT:
HOFSTRA CULTURAL CENTER
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Hempstead, NY 11549-1130
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hofstra.edu/culture