New England Association of Chemistry Teachers

NEACT 72nd Annual Summer Conference

Chemistry in Today’s World
Celebrating the International Year of Chemistry

St. Joseph’s College
Standish, Maine
August 1-4, 2011

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Cover art designed by Janie Howland
NEACT 2011 Conference Schedule (Subject to Change)
All group sessions will meet in Alfond Hall Auditorium

Monday 8/1
9:00 – 11:00 .......... Executive Board Meeting
10:00 - 12:00 ....... Participants check in to Feeney Hall Dormitory

**After 1PM, registration is held outside auditorium in Alfond Hall**

12:00 –1:00 .......... Lunch (All meals will be held at Mercy Hall Dining Room)

1:00-1:30 ............ Welcome - Jerusha Vogel (Conference Program Chair) and College Administration
1:30 – 2:20 .......... “Will it be Sputnik or Boiled Frogs?” Dr. Berkeley Cue
2:30 – 3:30 .......... “Important Challenges for Materials Chemistry: Cheap Solar Cells (organic photovoltaics) and Ultra-High Efficiency Lighting (while light OLEDs)” Prof. Glen Miller

Monday Workshops
4:00 – 5:30 .......... “Cooperative Learning Strategies” – Dr. Kristen Vanderveen
4:00 – 5:30 .......... “Science Literacy” – Sue Klemmer
4:00 – 5:00 .......... “Technology in the Chemistry Classroom (will be repeated)” – MaryJac Reed

5:30 -6:30 .......... Dinner -Mercy Hall
7:30 – 9:00 ........... “Teaching about Energy and the Environment” – Prof. Richard S. Stein
9:00 - ................ Welcome Social - All are invited to our opening social hour. Find old friends and make new ones in a relaxed atmosphere.

Tuesday 8/2
7:30 – 8:30 .......... Breakfast -Mercy Hall

9:00 –10:15 .......... “Magic Organofluorine Compounds for Medicinal Chemistry Applications” – Assoc. Prof. Wei Zhang
10:15 –10:30 .......... Discussion Break
10:30 – 11:30 ...... “Chemistry and Materials for Sustainable Energy” –Assist. Prof. Gonghu Li
11:30 – 12:00....... NEACT Recessed Annual Meeting

12:00- 1:00 .......... Lunch -Mercy Hall

Tuesday Workshops
1:00 – 3:00......... “Chemistry and Art” (will be repeated) – Linda Weber and John Mauch
1:00 – 3:00 .......... “Environmental and Energy Solutions Through Biochar” – Dr. Ted Wysocki
1:00 – 3:30.......... Field Trip: Gulf of Maine Research Institute (including travel time)

3:30 – 5:30.......... “Chemistry and Art” (repeated) – Linda Weber and John Mauch
3:30 – 5:30.......... “Differentiating Instruction in the Chemistry Classroom when Teaching Thermochemistry” – David Crocket

5:30 – 6:30.......... Dinner -Mercy Hall
7:30- 9:00 .......... “Oil Spills, Dead Zones & Environmental Alkane Oxidation” Prof. Narehood Austin
9:00 - ................Evening Social
**Wednesday 8/3**

7:30 – 8:30 ........ Breakfast - Mercy Hall

9:00 – 10:30 ........ “Forensic Science – A Way of Thinking” - Prof. Fred Smith
10:30 – 10:45 ....... Discussion Break
10:45 – 12:00 ........ “The Effects of Global Warming on the Ocean” - Dr. Naomi Levine

12:00 – 1:00 ........ Lunch - Mercy Hall

**Wed Workshops**

1:00 – 3:00 ........ “The Chem- Math Project” – Cary Kilner
1:00 – 2:30 ........ “Forensic Activities for Your Classroom” – Prof. Fred Smith
1:00 – 3:30 ........ Field Trip: Site of the Gunpowder mills (preceded by a slide show)
                       - Prof. Emeritus Maurice Whitten

3:30 – 5:30 ........ “Concept Maps” – Sue Klemmer
3:30 – 5:30 ........ pH of the World Project – International Year of Chemistry – Dr. Tari Shea

6:00 .................. NEACT Conference Photo
6:00 .................. Cash Bar
6:30 – 8:00 ........ Lobster Bake  Registration required
                    Dinner will include: salad, a selection of main entrees, vegetables and accompanying dishes, bread and butter, dessert, tea and coffee. While the fee is included in the full room and board price, anyone may attend ($30 per person). Please make your reservation with your registration. (Alternate main dish available).

8:00-9:00 ............ “Strong Inference for All Ages. An Approach to Critical Thinking and Scientific Method” – Dr. Tom Kinraide

9:00 - ............... Evening Social

**Thursday 8/4**

7:30 – 8:30 ........ Breakfast

9:00 – 10:15 ........ “Chemistry and Plasmonics: Controlling the Interaction of Light & Matter”
                    - Prof. Matthew Côté
10:15 – 10:30 ....... Discussion Break
10:30 – 11:45 ........ “Bicyclic Polyamine Ligands – Synthesis, Coordination Chemistry, and Biomedical Applications” – Prof. Gary Weisman

12:00 – 1:00 ........ Lunch - Mercy Hall

**Thursday Workshops**

1:00 – 3:30 ........ “Chemistry Modeling” – Patricia Rinaldi and Helaine Hager
1:00 – 2:30 ........ “Technology in the Chemistry Classroom” (repeated) – MaryJac Reed
1:00 – 3:30 ........ Field Trip: Portland Water Treatment Plant Tour
Monday 8/1

1:30 – 2:20 “Sustainability and Green Chemistry. Will It Be Sputniks or Boiled Frogs?”
   - Dr. Berkeley Cue, Pfizer Global R&D (retired)
Unlike the single event of Sputnik and the commitment it inspired, environmental change is much more gradual, and for too long the signals that action is needed have been underplayed or ignored threatening the sustainability of our planet. During the International Year of Chemistry it is important to ask what will draw the next generation of scientists and engineers who will be needed to overcome the daunting challenges of sustainability? Using the four quadrants of the American Chemical Society’s Outreach for IYC 2011, environment, energy, materials and health, this talk will explore what I believe is needed for our planet to be more sustainable and how green chemistry can contribute solutions for this problem.

2:30 – 3:30 “Important Challenges for Materials Chemistry: Cheap Solar Cells (organic photovoltaics) and Ultra-High Efficiency Lighting (white light OLEDs)”
   - Prof. Glen Miller, University of New Hampshire
Some of the most important challenges for chemists involve the synthesis and characterization of new molecules that may be utilized in materials for alternative energies and other technologies that reduce our dependence on foreign oil while simultaneously reducing our carbon footprint. Specifically, organic photovoltaics (OPVs) and organic light emitting diodes (OLEDs) offer unique opportunities and challenges to prepare new classes of organic semiconductors that can lead to low cost solar power and ultra-high efficiency lighting, respectively. This talk will highlight advances and limitations in these critical areas, and discuss the role that chemists can play in order to advance these technologies to commercialization.

Monday Workshops

4:00 – 5:30 “Cooperative Learning Strategies”
   – Dr. Kristen Vanderveen, The Bromfield School, MA
We will discuss the advantages of using cooperative learning and model a variety of different strategies that can be used in a chemistry classroom. Participants will create and share activities that they can immediately implement in their own classrooms. Participants are encouraged to bring a copy of a textbook they use with their classes. Bring your laptop or USB drives to the workshop, if you can!

4:00 – 5:30 “Science Literacy”
   – Sue Klemmer, Camden Hills Regional HS, ME
Do your students understand what they read? Can they read a textbook chapter or a web article or a lab manual and come to class able to discuss what they have read? Reading comprehension skills have been a focus of our science department for several years, and in this workshop I'll share our best tools: what they are, how to use them, and the pros/cons of each. We'll examine student work with: concept mapping, Frayer squares, electronic text highlighting and annotating, word squares, and sample problem annotation.
4:00 – 5:00  “Technology in the Chemistry Classroom” (will be repeated)
  – MaryJac Reed, Fairfield Ludlowe HS, CT
Interested about how and whether to incorporate more technology into your classroom? In this workshop, I will share ways I incorporate clickers, portable smart boards (I am not tied to the front of the classroom which helps when I do POGIL activities), and other technology. I will give you a chance to try the technology and will discuss the pros and cons including the learning curve and cost associated with it.

7:30 – 9:00  “Teaching about Energy and the Environment”
  - Prof. Richard S. Stein, University of Massachusetts, Amherst
The problems of dealing with energy and the environment will be presented in a manner suitable for high school students. The presentation will include the origin of energy and the ways in which it can be obtained in useful forms, limitations from principles such as “Conservation of Energy” and problems associated with current ways of obtaining useful energy. A description of alternative energy production means will be offered with consideration of their advantages and disadvantages. An emphasis will be on the use of biochar as a “carbon negative” means as well as an aid to agriculture.

Tuesday 8/2

9 – 10:15  “Magic Organofluorine Compounds for Medicinal Chemistry Applications”
  – Assoc. Prof. Wei Zhang, University of Massachusetts, Boston
Synthesis of large numbers and structurally unique compounds for biological screening is a major challenge in pharmaceutical industry. Fluorous chemistry provides a new technique that can enhance the reaction and separation processes. The unique physical and chemical properties of fluororous tags have been used for high-throughput synthesis of drug-like molecules.

10:30 – 11:30  “Chemistry and Materials for Sustainable Energy”
  – Assist. Prof. Gonghu Li, University of New Hampshire
Basic chemistry research will play a pivotal role in driving science and technology innovations that will help achieve a sustainable future. Natural sunlight remains the largest unexploited renewable energy resource, yet we still lack working devices for efficient solar energy conversion. Semiconductors, especially TiO$_2$ nanoparticles, have been widely investigated as effective catalysts for converting solar to chemical energy. Dye-sensitized solar cells (DSSCs), which use TiO$_2$ thin films to collect photogenerated electrons, are among the most promising devices for harvesting sunlight. Important artificial photosynthetic reactions, such as solar water splitting and CO$_2$ reduction for fuel generation, will be briefly introduced. The general principles and current status of these processes will be discussed.
**Tuesday Workshops and Field Trip**

1:00 – 3:00  “Chemistry and Art” (will be repeated)
  – Linda Weber (Natick HS, MA) and John Mauch (Kennewick HS, WA)
Participants will be able to do lab activities relating art to chemistry. Topics include making pigments for paint, electroplating, ceramics, glass making, growing crystals, glazes, patinas, and much more.

1:00 – 3:00  “Environmental and Energy Solutions Through Biochar.”
  – Ted Wysocki, Pioneer Valley Biochar Initiative (Chair)
Biochar is a modified charcoal that has been shown to significantly increase plant productivity, health and disease resistance. The result is it can significantly reduce one’s carbon footprint, can help plants grow in usually poor/degraded soil environments such as sand, and reduces the negative effects of fertilizers (such as run off, eutrophication, and waterway “dead-zones”). In this workshop you will find out where to buy and how to make biochar (by first making charcoal), observe CO$_2$ capture, and as a bonus you will see how Fresnel (flat) lenses can significantly boost the functionality of solar cells, boil water, and melt rocks. If the sun shines then bring your sunglasses! Take home samples of Biochar, Tin can pyrolyzer, and Fresnel lenses.

1:00 – 3:30  Field Trip to The Gulf of Maine Research Institute (travel time included)
  - 350 Commercial Street    Portland, ME    http://www.gmri.org/index.asp
Take a tour the 44,000 sq. ft. hybrid research and education non-profit marine science center and see how their work strengthens essential elements that define an enduring relationship with the ocean: Healthy Ecosystem, Sustainable Industries, Vibrant Communities, Abundant Opportunities, and Inspired Children.

3:30 – 5:30  “Chemistry and Art” (repeated)
  – Linda Weber (Natick HS, MA) and John Mauch (Kennewick HS, WA)
Participants will be able to do lab activities relating art to chemistry. Topics include making pigments for paint, electroplating, ceramics, glass making, growing crystals, glazes, patinas, and much more.

3:30 – 5:30  “Differentiating Instruction in the Chemistry Classroom when Teaching Thermochemistry”  – David Crocket, Poland Regional HS, ME
Teaching chemistry in unlevelled classes has some unique challenges and advantages. David will explore how to differentiate instruction using Thermochemistry labs as examples. Participants will do a Heat of Solution lab using ammonium chloride and a Heat of Fusion of water lab using ice. David will discuss how these labs can be further accented by additional materials such as ChemMatters.

7:30-9:00  “Oil Spills, Dead Zones and Environmental Alkane Oxidation”
  -Professor Rachel Narehood Austin, Bates College
The BP oil spill is one of many oil disasters in the last few decades. How does the amount of oil released from spills compare with the amount of oil naturally released into the environment? How do our attempts at remediation affect the ocean? This talk will review the challenges of oil spill clean-up and provide an overview of the chemical and biochemical interactions that occur when oil enters the environment and when humans try to ameliorate the damage.
Wednesday 8/3

9:00 – 10:30 “Forensic Science – A Way of Thinking”
   - Dr. Fred Smith, Yale New Haven Forensic Center
Fred Smith is a scientist with the New Haven Department of Forensic Science and the Henry C. Lee College of Criminal Justice and Forensic Sciences. This presentation will review some significant forensic cases in history and present the way in which a forensic scientist has to approach problem solving.

10:45 – 12:00 “The Effects of Global Warming on the Ocean”
   - Dr. Naomi Marcil Levine, postdoctoral fellow at Harvard University
The oceans play a vital role in regulating the global climate. Currently about 1/3 of all human-generated carbon emissions have dissolved into the ocean. However, the uptake of CO₂ and increasing global temperatures are impacting ocean systems. This talk will explore the potential impact of changing ocean chemistry on marine ecosystems and the potential for these changes to result in additional changes to the global climate.

Wed Workshops and Field Trip
1:00 – 3:00 “The Chem-Math Project”
   – Cary Kilner, PhD candidate, University of New Hampshire
In this workshop we shall collectively probe and clarify some of the mathematical difficulties that students have in learning chemistry. I will present my findings for group discussion while concurrently welcoming additional feedback from your observations of your own students.

1:00 – 3:00 “Forensic Activities for Your Classroom”
   - Dr. Fred Smith, Yale New Haven Forensic Center
Learn some hands on experiments you can do with your students to bring the principles and analytical skills of the forensic scientist directly into your classroom.

1:00 – 3:30 Field Trip: Site of the Gunpowder Mills (preceded by a slide show)
   - Dr. Maurice Whitten – Prof. Emeritus, University of Southern Maine.
The gunpowder mills were in operation for 80 years (1824 to 1905) on the Presumpscot River in Gorham and Windham. It was the longest running mill in Maine, was the largest in the state and, for many years, the fourth largest in the U.S. It imported almost all of its sulfur from Sicily and its saltpeter from India. Now, only granite foundations of some of the buildings remain. Total walking distance is about 0.7 miles. The field trip will be preceded by a slide show about its history by long time NEACT member and author of the Gunpowder Mills of Maine, Maurice Whitten.

3:30 – 5:30 “Concept Maps”
   – Sue Klemmer, Camden Hills Regional HS, ME
Concept mapping is a powerful tool for constructing meaning, but it does not come naturally for some teachers and students. This workshop is a how to primer for (a) teaching students how to make maps and (b) sharing ways to use maps in developing student reading comprehension skills and identifying student (mis)conceptions. Along the way we’ll look at actual student maps and discuss the technology of map making from chalk to laptops.
3:30 – 5:30  “pH of the World Project – International Year of Chemistry”
  – Dr. Tari Shea, Westborough High School, MA
Participants will learn about this international project to measure the pH of water bodies around the
world and about other IYC projects you may want to incorporate into your chemistry curriculum. The
lake at St. Joseph’s will serve as our water body. The workshop will provide information about joining
the project, practice making the measurements, as well as extension activities to include with
students of all levels.

8:00-9:00  “Strong Inference for All Ages. An Approach to Critical Thinking and Scientific
Method”
  – Dr. Tom Kinraide, United States Department of Agriculture, Beaver WV
The term 'strong inference' has come to refer to the scientific method of hypothesis testing ever since
an article by that title was published in Science magazine by J. R. Plat in 1964. The concepts of
strong inference may be grasped and put into practice by students if presented in a fashion
appropriate to their age and with the aid of good examples and demonstrations. Tom Kinraide and
Jerusha Vogel will present the concepts of strong inference together with suggested exercises and
demonstrations. The presenters encourage conference participants to look for the article 'Strong
Inference: The Way of Science' by Kinraide and Denison (American Biology Teacher, 2003) to be
posted on the NEACT website.

Thursday 8/4

9:00 – 10:15  “Chemistry and Plasmonics: Controlling the Interaction of Light and Matter”
  -Prof. Matthew Côté, Associate Dean of Faculty, Bates College
Plasmonics is the study and application of the collective motion of free electrons in metals and
semiconductors. It shows great promise in fields as diverse as solar cell technology, cancer
treatments, and superfast computers, and its development occurs at the nexus of chemistry and
physics. Plasmonic structures, typically noble metals formed into carefully engineered shapes and
arrays, have the ability to confine, guide, and increase the intensity of light on a smaller scale than is
possible through conventional optics. The chemistry behind the fabrication of such structures, the
science behind their behavior, the ingenuity required to study them, and some of the current and
future applications will be discussed.

10:30 – 11:45  “Bicyclic Polyamine Ligands: Synthesis, Coordination Chemistry, and
Biomedical Applications”
  – Prof. Gary Weisman, University of New Hampshire
This presentation will describe a collaborative interdisciplinary research project involving the research
groups of Gary Weisman (UNH, organic chemistry), Ed Wong (UNH, inorganic chemistry) and
Carolyn Anderson (Washington University School of Medicine). The so-called “cross-bridged
tetraamines” have proven to be versatile and useful ligands for complexation of a variety of main
group and transition metal ions. The utility of particular members of this class of ligands in
radiodiagnostic medicine will be discussed. Significant progress has been made in the area of
positron emission tomography (PET) imaging of cancer utilizing $^{64}$Cu(II) complexes of cross-bridged
tetraamines.
Thursday Workshops and Field Trip

1:00 – 3:30 “The Use of Modeling Instruction in the Chemistry Classroom”
– Patricia Rinaldi (Wilton HS, CT) and Helaine Hager (Mt. Pleasant HS, RI)
The presenters will be attending a two week training session this summer on The Modeling Method, developed by Arizona State University. In this workshop they will present some of the techniques they learned and will share their experiences. The Modeling Method, which is an effective use of guided inquiry in science, has been developed to correct many weaknesses of the traditional lecture-demonstration method, including the fragmentation of knowledge, student passivity, and the persistence of naive beliefs about the physical world.

1:00 – 2:30 “Technology in the Chemistry Classroom” (repeated)
– MaryJac Reed, Fairfield Ludlowe HS, CT
Interested about how and whether to incorporate more technology into your classroom? In this workshop, I will share ways I incorporate clickers, portable smart boards (I am not tied to the front of the classroom which helps when I do POGIL activities), and other technology. I will give you a chance to try the technology and will discuss the pros and cons including the learning curve and cost associated with it.

1:00 – 3:30 Field Trip: Portland Water Treatment Plant Tour
http://www.pwd.org/environment/wastewater/facilities.php#1
Portland’s wastewater treatment facility is Maine’s largest. This facility was the first free-standing ozonation plant to be built in New England and the first in the country to meet the disinfection requirement of the Surface Water Treatment Rule with ozone alone. A state-of-the-art laboratory is on site and conducts water quality testing for the lake, treatment process, and distribution systems.
Professional Development Credit Opportunities for Participants

NEACT is a registered provider for CEUs in Connecticut, PDCs in Rhode Island, and PDPs in Massachusetts. (1 CEU for 10 contact hours in CT, 1 PDC for 15 hours of credit in RI, 1 PDP for each contact hour in Massachusetts) Further information about documentation is available from Lorraine Kelly (lorrainek12@aol.com)

Scholarship Information

Financial support is limited to NEACT costs of this conference. Significant financial aid is available through NEACT to participants at this Conference. If you are a first-time attendee at a NEACT conference or have financial need and have never received NEACT aid before, you may qualify. To apply fill out the Summer Conference Scholarship Form in this program and mail or email to:

Kathy Siok:
86 Spring Road,
North Kingstown, RI 02852
kathys5@cox.net

Please make contact as soon as possible

Sincere thanks for financial aid provided by:
NEACT Centennial Scholarships
2011 Lyman C. Newell Grants (Northeastern Section of the ACS)
The Rhode Island Section of the ACS
**Registration Form**  
72nd NEACT Summer Conference  
“Chemistry in Today’s World - Celebrating the International Year of Chemistry”  

St Joseph College of Maine  
August 1 - 4, 2011  

IMPORTANT: Form must be received by July 10th to ensure your accommodations  

Please PRINT Legibly

Name

Home Address

Home phone #  

E-mail

School Affiliation:  

Work Phone

In case of emergency, contact: (include name of person, phone number and relationship to attendee)

Spouse and/or children’s names attending:

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**Membership dues of $25 may be paid at registration USING A SEPARATE CHECK made out to NEACT**  

Are you applying for financial aid? 

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**COMPLETE CONFERENCE FEE:** includes registration, room, meals, Lobster Bake* (Alternative meal is available), coffee breaks, program/sessions, use of facilities, workshops & conference T-shirt.

It is suggested that you bring an additional blanket (facility has A/C), a pillow, hangers & desk light.

<table>
<thead>
<tr>
<th># persons</th>
<th>@ each</th>
<th>cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>All rooms are Single</td>
<td></td>
<td></td>
</tr>
<tr>
<td>_____ Single room</td>
<td>$ 395</td>
<td>$____</td>
</tr>
<tr>
<td>_____ Double room (per person)*</td>
<td>$ 380</td>
<td>$____</td>
</tr>
<tr>
<td>_____ Spouse/children over 12</td>
<td>$ 240</td>
<td>$____</td>
</tr>
<tr>
<td>Total cost</td>
<td></td>
<td>$____</td>
</tr>
</tbody>
</table>

*I wish to be in the same room with ________________________________

I wish to have a room near _________________________________________

____I need handicapped accommodations or have special needs (please explain your need)
COMMTTER COMPLETE PROGRAM ONLY FEE: includes program/sessions, workshops, coffee breaks and T-shirt (You may pay for lunch when you register).

- Commuter $130.00 $_______
- Lobster Bake (Wednesday) $30.00 $_______

Total cost: $_______

PER DAY PROGRAM ONLY Registration Fee: includes program/sessions, workshops, coffee breaks and T-shirt.

Indicate _____days @ $35.00 $_______
- Lobster Bake (Wednesday) @ $30.00 $_______

Partial conference

Overnight accommodations: Circle nights

M T W _______nights (Includes linens)

- Single room _______ @ $70.00 $_______
- Add Linens (one time charge = $15)

Total cost: $_______

Circle to Indicate T-shirt size for each registrant:

(men’s sizes) S M L XL XXL XXXL

- Your Total Conference Fee is: $_______
- Late Fee ($25 after July 10)
  Accommodations cannot be guaranteed after July 14th $_______
- DEPOSIT (minimum of half due with this registration) $_______
- Balance due at conference $_______

Refunds cannot be guaranteed for cancellations received after July 10, 2011

***If you have any special dietary (including Lobster Bake Alternative) and/or housing needs, please explain***

Please make checks payable to: 72nd NEACT Summer Conference and mail with this form to: Kathleen Siok, Registrar-Treasurer
86 Spring Road
North Kingstown, R.I. 02852

Questions? Call or e-mail Kathy at: 401-885-1608 or kathys5@cox.net
Application for Summer Conference Scholarship - 2011

Financial support is limited to NEACT costs of this conference.

Significant financial aid is available through NEACT to participants at this Conference. If you are a first-time attendee at a NEACT conference or have financial need and have never received NEACT aid before, you may qualify.

Return this information to Kathy Siok by email: kathys5@cox.net
Or mail to: 86 Spring Road, North Kingstown, RI 02852

Your Name _________________________________________________________

Address________________________________________________________________

City, State_________________________ Zip________________________

You may need to be reached after school lets out in June. Give us your:

Home telephone _____________________________

Email address _________________________________________________

**Present School _________________________________________________

Address________________________________________________________________

City, State_________________________ Zip________________________

Courses Taught _________________________________________________

Number of years teaching________________________________________

**Describe your situation if you are not currently teaching:

I am applying for _____ Full Grant (room & board) _____ Partial Grant (conference only)

Why are you a good candidate for a grant?
Please give circumstances and details of your need.
Important Participant Information:

Registration: On Monday, registration will take place in Feeney Hall (#10 on the campus map). On the other days, registration will be held outside session room in Alfond Hall Auditorium (#1 on map). During registration, guests are issued keys, access cards, campus maps and other information about the campus.

Dormitory: Rooms in Feeney Hall are all air-conditioned. Each Suite contains 3 - 4 rooms, 2-3 bathrooms and a living area. Linens (sheets and towels) are included with your registration. You may want to bring items for your comfort, such as extra pillows, alarm clock, small table, clothes hangers and a desk light etc.

To Bring: Comfortable clothes, a sweater as sometimes AC can be quite cold, a storage drive and a laptop if desired. Sometimes the presenters are willing to share information electronically so these can be useful – but they are not necessary.

Meals: All meals will be served in the dining room in Mercy Hall (#4 on map). Commuters may purchase meals during the conference and eat with other participants and speakers. This year’s banquet will be a Lobster Bake (with alternative available) and with casual dress. St Joseph’s is known for its fresh, local food.

Sessions will take place in Alfond Hall (#1) Auditorium and breakout rooms, and Mercy Hall (#4).

Workshops and Field Trips: A sign-up sheet will be available at registration. Availability is on a first come-first served basis.

Transportation to and from conference. Carpooling or a shuttle bus to the college can be available for those coming by train to Portland Monday morning August 1. If you want to take advantage of this, you must let Kathy Siok know no later than July 10th in order to schedule.

Networking with other participants
Share your favorite activity Give and Take : Share your surplus materials
Bring an activity you wish to improve Bring a poster for our display area

Keep up to date with NEACT and summer conference information:

*Website: www.neact.org

*Join our list serve: http://www.neact.org/list_service.html

Useful links

Chamber of Commerce of Greater Portland www.portlandregion.com
Maine Office of Tourism www.visitmaine.com
Portland Press Herald www.pressherald.com
Maine Resource Guide www.maineguide.com

About Portland and Portland News http://www.ci.portland.me.us/
Downtown Portland http://www.portlandmaine.com/
Everything Portland http://www.visitportland.com/

Directions: Saint Joseph’s College 278 Whites Bridge Rd Standish, ME 04084  207-892-6766

The College is located on Sebago Lake in Standish, Maine, three miles from the center of North Windham and 18 miles northwest of Portland.

From the South
Take Exit 48 Portland/Westbrook off the Maine Turnpike. Bear right at the toll booth (following signs to North Windham) and proceed 1.5 miles to the third traffic light. Turn left onto Rt. 302 west for 11 miles to North Windham. BE CAREFUL at the rotary to stay on Rt. 302 (2nd exit or half way through the rotary.) See instructions below from North Windham. Alternate route: See directions below for From the North.

From the North
Take Exit 63-Gray off the Maine Turnpike (95) and turn left onto Rts. 202 and 115 (west). After four miles, be sure to bear right at the "T" intersection and proceed into North Windham center. Route 115 ends at the Rt. 302 intersection. See instructions below from North Windham.

From North Windham
In North Windham on Rt 302, continue north past the shops, restaurants, cinemas and Windham Mall. After passing Wendy's on your right and Applebee's on your left, turn left at the next set of lights onto Whites Bridge Road. The campus is 2.8 miles on the right.

From New Hampshire or Vermont
Visitors traveling from the west can enter Maine on Rts. 302, 25, or 202. Route 25 connects with Rt. 35 in Standish; Rt. 202 connects with Rt. 302 at the Windham rotary (see from the south); and Rt. 302 proceeds directly to No. Windham (see from No. Windham).

The Campus Map can be found at
http://www.sjcme.edu/files/sjcme_files/docs/SJCCampusMap.pdf
Saint Joseph’s College of Maine

1 Alford Hall
   Classrooms/Labs
   Auditorium
   Faculty Offices
2 Saint George Hall
   Admission Office
3 Heffernan Center
   Wellehan Library
   Student Affairs Office
   Campus Ministry
   Healy Chapel
4 Mercy Hall
   Classrooms/Labs
   Bookstore
   Dining Room
   Distance Education Office
5 Xavier Hall
   President’s Office
   Dean’s Office
   Administration
   Alumni Office
   Human Resources
6 Alford Recreation Center
   Gymnasium/Track
   Swimming Pool
   Fitness Room
7 Service Building
   Mail Room/Copy Center
   Facilities Management
   Residence Halls:
   8 O’Connor Hall
   9 Currier Hall
   10 Feeney Hall
   11 Carmel Hall
   Health & Wellness Center
   12 Standish Hall
   Campus Security
   13 Scully Hall
   14 Putnam Hall
   15 Cassidy Hall
   Financial Aid Office
16 Cunneen Hall
17 Gingras Hall
18 Saint Joseph’s Hall
   The Chalet
   Career Services
   Counseling Center
   Registrar
   Treasurer
19 Ward Field
   Mahaney Baseball Diamond
   Softball Diamond
20 Field Hockey Field
21 Soccer Field
22 Beachfront