

74th Annual Meeting of the

**Northeastern
Division**

**The
American
Phytopathological
Society**

Program and Abstracts
October 29-31, 2014

Sheraton Portsmouth Harborside Hotel
250 Market Street
Portsmouth, NH 03801

Northeastern Division Officers
2013-2014

David C. Thompson, President
Francis J. Ferrandino, Vice-President
Steven Johnson, Secretary-Treasurer
David A. Rosenberger, Division Forum Representative
C. Andrew Wyenandt, Immediate Past President

Local Arrangements 2013-2014

Cheryl A. Smith - Chair

On the cover:

Grape Powdery Mildew (*Uncinula necator* syn. *Erysiphe necator*) on Vidal blanc (courtesy of Dewei Li, The Valley Laboratory, Windsor, CT).

Program Design

A. B. Gould

	WEDNESDAY, OCTOBER 29, 2013
8:00 – 12:30	Forestry Tour – meet in Lobby at 8:00 AM (includes box lunch – pre-registration required)
9:00 – 12:00	The Historic Portsmouth Tour – Lobby (box lunch optional – pre-registration required)
11:00 – 6:00	REGISTRATION – Lobby
1:30 – 5:00	EXTENSION / INDUSTRY MEETING – Harbor's Edge Presiding: Joan Allen
5:00 – 6:00	NED-APS GRADUATE STUDENT AWARDS ORGANIZATIONAL COMMITTEE MEETING – Prescott Room
5:30 – 7:00	DIVISION SOCIAL – Prescott Room
7:00 -	Dinner (on your own)
	THURSDAY, OCTOBER 30, 2014
7:00 – 8:00	Continental Breakfast (Prescott Room)
7:30 – 5:00	REGISTRATION – Lobby
8:00 – 8:05	WELCOME AND OPENING REMARKS – Harbor's Edge David Thompson, NED-APS President
8:05 – 10:00	SYMPOSIUM: GENOMICS AND PLANT PATHOGENS – Harbor's Edge Presiding: Nathaniel Mitikowski
8:05 – 8:10	Introduction - Nathaniel Mitikowski
8:10 – 8:40	Genomics, Transcriptomics and Effector Genes in Fungal Biotrophs. Barry Saville, Trent University, Peterborough, Ontario, Canada
8:40 – 9:10	New insights on the biology of <i>Verticillium dahliae</i> revealed by Genotype-by-Sequencing. Maria del Mar Jimenez Gasco, Pennsylvania State University, University Park, PA
9:10 – 9:40	Population genomics of <i>Phytophthora infestans</i>. William E. Fry, Cornell University, Ithaca, NY.
9:40 – 10:00	QUESTIONS AND DISCUSSION

10:00 – 10:30	BREAK for refreshments
10:30 – 11:30	CONTRIBUTED PAPER SESSION I Harbor's Edge; Presiding: Francis J. Ferrandino
10:30 – 10:45	Updating the status of the re-emerging and damaging bloat nematode on garlic G. S. ABAWI (1), K. Muktan (1), C. Stewart (2), R. Hadad (3), L. A. Jones (1), C. D. Smart (1); (1) Cornell University, NYSAES, Geneva, NY, U.S.A.; (2) Cornell University, Cooperative Extension, Troy, NY, U.S.A.; (3) Cornell University, Cooperative Extension, Lockport, NY, U.S.A.
10:45 – 11:00	Preliminary evaluation of four decision support systems for management of apple scab in the northeastern U.S. D. R. COOLEY (1), J. Clements (1); (1) University of Massachusetts, Amherst, MA, U.S.A.
11:00 – 11:15	Using nanoparticles of metallic oxides to suppress soilborne diseases of eggplants and tomatoes ELMER (1), J. C. White (1); (1) The Connecticut Agricultural Experiment Station, New Haven, CT, U.S.A.
11:15 – 11:30	Turbulent wind in a vineyard canopy F. J. FERRANDINO (1); (1) CAES, New Haven, CT, U.S.A.
12:00 – 1:30	LUNCH (Prescott Room)
1:30 – 3:45	GRADUATE STUDENT AWARD COMPETITION – Harbor's Edge Presiding: Wade H. Elmer
1:30 – 1:45	Comparison of nematode communities between organically and conventionally managed golf courses E. ALLAN (1), D. Manter (2), G. Jung (1); (1) University of Massachusetts Amherst, Amherst, MA, U.S.A.; (2) USDA ARS SPNR, Fort Collins, CO, U.S.A.
1:45 – 2:00	<i>In vitro</i> isolation of a phytoplasma associated with frog skin disease of cassava (<i>Manihot esculenta</i> Crantz) C. A. BETANCOURTH (1), J. M. Pardo Garcia (2), M. J. Truke Arango (2), J. E. Muñoz (3), E. Álvarez (2); (1) Universidad de Nariño, Palmira, Colombia; (2) CIAT, Palmira, Colombia; (3) Universidad Nacional, Palmira, Colombia
2:00 – 2:15	Replacement of chlorothalonil for cranberry fruit rot control J. GAGER (1), P. V. Oudemans (1); (1) Rutgers, The State University, Chatsworth, NJ, U.S.A.
2:15 – 2:30	Behavior of <i>Phytophthora erythroseptica</i> in plant infection mediated by microbe-secreted compounds H. JIANG (1); (1) University of Maine, Orono, ME, U.S.A.
2:30 – 3:00	BREAK for refreshments
3:00 – 3:45	GRADUATE STUDENT AWARD COMPETITION – Harbor's Edge Presiding: Robert E. Marra
3:00 – 3:15	Soil and tissue potassium sufficiency ranges for control of anthracnose disease on annual bluegrass turf C. J. SCHMID (1), J. A. Murphy (1), B. B. Clarke (1); (1) Rutgers University, New Brunswick, NJ, U.S.A.
3:15 – 3:30	Biological control of blueberry and cranberry fruit rot targeting host plant floral-extracts T. J. WALLER (1), P. V. Oudemans (1); (1) Rutgers University, New Brunswick, NJ, U.S.A.
3:30 – 3:45	Characterization of fungi associated with needle defoliation of eastern white pine (<i>Pinus strobus</i>) S. WYKA (1), K. Broders (1); (1) University of New Hampshire, Durham, NH, U.S.A.
4:00	NED-APS BUSINESS MEETING – Harbor's Edge

	Presiding: David Thompson, NED-APS President
5:00 – 6:00	GRADUATE STUDENT AWARDS COMMITTEE MEETING – (TBA)
6:00 – 9:00	SOCIAL, BANQUET, AND AWARDS – Prescott Room
	FRIDAY, OCTOBER 31, 2014
7:00 – 8:00	Continental Breakfast (Prescott Room)
8:00 – 9:00	CONTRIBUTED PAPER SESSION II – Harbor's Edge Presiding: Margery L. Daughtrey
8:00 – 8:15	Characterization of the <i>Colletotrichum</i> species infecting apple and other fruit crops in the northeastern United States E. BEAUDOIN (1), G. Iriarte (1), M. Wallhead (1), K. Broders (1); (1) University of New Hampshire, Durham, NH, U.S.A.
8:15 – 8:30	<i>Phytophthora</i> species baited from the Connecticut River Valley in Massachusetts and discovery of a putative novel species from the <i>P. citricola</i> s.l. complex N. J. BRAZEE (1), R. L. Wick (1), J. Hulvey (1); (1) University of Massachusetts, Amherst, MA, U.S.A.
8:30 – 8:45	<i>Diplodia cupressi</i> and other canker pathogens on Leyland cypress in Long Island, NY nursery and landscape settings M. L. DAUGHTREY (1), G. R. Stanosz (2), D. R. Smith (2), P. J. LaPhilliph (2); (1) Cornell University, Riverhead, NY, U.S.A.; (2) University of Wisconsin-Madison, Madison, WI, U.S.A.
8:45 – 9:00	Contribution of mid-season cover sprays to management of peach brown rot at harvest N. LALANCETTE (1), J. Gager (1), K. A. McFarland (1); (1) Rutgers Agricultural Research & Extension Center, Bridgeton, NJ, U.S.A.
9:00 – 9:30	BREAK for refreshments
9:30 – 10:45	CONTRIBUTED PAPER SESSION III – Harbor's Edge Presiding: Margaret T. McGrath
9:30 – 9:45	Molecular diagnostics for the boxwood blight pathogen, <i>Calonectria pseudonaviculata</i> R. E. MARRA (1); (1) The Connecticut Agricultural Experiment Station, New Haven, CT, U.S.A.
9:45 – 10:00	Status of fungicide sensitivity in <i>Podosphaera xanthii</i> and impact on managing cucurbit powdery mildew in New York M. T. MCGRATH (1), K. LaMarsh (1); (1) Cornell University, Riverhead, NY, U.S.A.
10:00 – 10:15	The causal agent(s) of blueberry stem blight disease in New Jersey J. POLASHOCK (1); (1) USDA-ARS, Chatsworth, NJ, U.S.A.
10:15 – 10:30	Genetic diversity of <i>Peronospora belbahrii</i> in the United States A. M. MADEIRAS (1), R. L. Wick (1); (1) University of Massachusetts, Amherst, MA, U.S.A.
10:30 – 10:45	A portable field pathogen-detection system for disease-free planting materials E. ALVAREZ (1), J. M. Pardo (2), M. J. Truke (2); (1) Phytopathologist/CIAT, Cali, Colombia; (2) CIAT, Cali, Colombia.
10:45	ADJOURN

