69th Annual Meeting of the Northeastern Division  
The American Phytopathological Society  
Program and Abstracts  
October 28 - 30, 2009  
Québec City, Québec  Canada

Northeastern Division Officers  
2008-2009

James A. LaMondia, President  
Norman Lalancette, Vice President  
Russell Tweddell, Secretary/Treasurer  
Robert Wick, Councilor  
Daniel R. Cooley, Immediate Past President

Local Arrangements Committee  
2008-2009

Russell Tweddell (Chair)  
Danny Rioux  
Benjamin Mimee  
Tyler Avis  
Gaston Laflamme

Program Design  
Ann Brooks Gould
WEDNESDAY, OCTOBER 28, 2009

1:00 – 5:00  Forest Pathology Tour
1:15 – 3:15  Old Quebec Tour
1:00 – 6:00  REGISTRATION – Hall of Amboise Room
1:30 – 5:00  INDUSTRY - EXTENSION MEETING – Fontainebleau Rambouillet
            Presiding: Andy Wyenandt
5:00 – 6:00  NED-APS GRADUATE STUDENT AWARDS COMMITTEE –
            Fontainebleau Rambouillet
5:00 – 7:00  Dinner on your own
7:00 – 10:00 DIVISION SOCIAL – Amboise Room
            Cocktail Dinatoire / Jeopardy / Music

THURSDAY, OCTOBER 29, 2009

7:00  CONTINENTAL BREAKFAST – Hall of Amboise Room
7:30 – 11:00  REGISTRATION – Hall of Amboise Room
8:00 – 10:10  SYMPOSIUM:  PLANT DEFENSE MECHANISMS – Amboise Room
              Presiding: Jim LaMondia
8:00 – 8:10  WELCOME AND OPENING REMARKS
              Jim LaMondia, NED-APS President
8:10 – 8:40  The mechanisms of silicon-induced disease resistance
              Richard Bélanger, Dept. of Phytology, Laval University
8:40 – 9:10  Elicitation and suppression of plant immunity
              Kamal Bouarab, Centre de recherché SEVE, Sherbrooke University
9:10 – 9:40  Will the poplar-rust pathosystem become a model in molecular forest
              pathology?
              Armand Séguin, Natural Resources Canada, Canadian Forest Service
9:40 – 10:10 Structural defense mechanisms in trees: What’s new?
              Danny Rioux, Natural Resources Canada, Canadian Forest Service
10:10 – 10:45 BREAK for refreshments
10:45 – 12:00 CONTRIBUTED PAPER SESSION I – Amboise Room
              Presiding: Tyler Avis
10:45  Evaluation of a dynamic model for primary infections caused by
Plasmopara viticola on grapevine in Québec. T. CAFFI (1), V. Rossi (1), and O. Carisse (2). (1) Istituto di Entomologia e Patologia vegetale, Università Cattolica del Sacro Cuore, Placenza, Ita; (2) Agriculture and Agri-Food Canada, Horticultural Research Centre, Saint-Jean-sur-Richelieu, Québec

11:00
Proposing a new species of Fusarium: F. ‘aestuarinus,’ a pathogen of Spartina alterniflora associated with wetland dieback in eastern marshes. R. MARRA and W. Elmer. Connecticut Agricultural Experiment Station, New Haven, CT

11:15
Molecular characterization of the biocontrol activity of Pseudozyma flocculosa. B. TEICHMANN, F. Lefebvre, C. Labbé, and R. Bélanger. Biocontrol Laboratory, Pavillon de l’Envirotroon, Université Laval, Québec

11:30
First report of clubroot caused by Plasmodiophora brassicae on spring canola in Maine. S. JOHNSON, D. Lambert, and P. Sexton. University of Maine, Orono

11:45
Age-related susceptibility of strawberry leaves and berries to infection by Podosphaera aphanis. O. CARISSE (1) and J. Bouchard (2). (1) Agriculture and Agri-Food Canada, St-Jean-sur-Richelieu, Québec; (2) Plant Science Department, Laval University, Quebec

12:00 – 1:00
LUNCH on your own

1:00 – 4:00
GRADUATE STUDENT AWARD COMPETITION – Amboise Room
Presiding: Bob Marra

1:00
The potential for post-harvest foliar urea sprays to reduce ascospore production by Venturia inaequalis. R. NORTON, C. Smith, W. MacHardy, and W. Lord. University of New Hampshire, Durham, NH

1:15
Glyphosate effect on DON content and Fusarium graminearum inoculum production in wheat and barley. M. BÉRUBÉ (1), A. Vanasse (1), S. Rioux (2), N. Bourget (2), Y. Dion (3), G. Tremblay (3), and G. Bourgeois (4). (1) Laval University, Quebec; (2) Centre de recherche sur les grains, Quebec City, Quebec; (3) Centre de recherche sur les grains, Saint-Mathieu-de-Beloeil, Quebec; (4) Horticulture Research and Development Centre, Agriculture and Agri-Food Canada, Saint-Jean-sur-Richelieu, Quebec

1:30
Sensitivity of Phytophthora capsici isolates from cucurbits in the northeastern U.S. to dimethomorph, cymoxanil, and mefenoxam. A. MADEIRAS, R. Wick, and D. Cooley. University of Massachusetts, Amherst

1:45
Compost amendment, a potential alternative to soil fumigation for the control of strawberry verticillium wilt. V. BERNIER-ENGLISH (1), T. Avis (2), B. Mimee (1), H. Antoun (1), and R. Tweddell (1). (1) Centre de recherche en horticulture, Pavillon de l’Envirotroon, Université Laval, Québec; (2) Department of Chemistry, Carleton University, Ottawa, Ontario
2:00  Summer N-fertilization effects on annual bluegrass putting green turf.  
J. ROBERTS, J. Murphy, and B. Clarke. Rutgers University, New Brunswick, New Jersey

2:15  The effect of demethylation inhibitor fungicides on Sclerotinia homoeocarpa population structures.  
J. POPKO (1), C. Ok (1), W. Autio (1), M. McGrath (2), and G. Jung (1). (1) Department of Plant, Soil and Insect Sciences, University of Massachusetts, Amherst; (2) Department of Plant Pathology and Plant-Microbe Biology, Cornell University, NY

2:30  Identification and characterization of silicon transporters in wheat (Triticum aestivum).  
J. MONTPETIT, J. Vivancos, W. Rémus-Borel, C. Grégoire, F. Belzile, and R. Bélanger. Université Laval, Quebec

2:45 – 3:15  BREAK for refreshments

L. BEIRN (1), J. Crouch (2), and B. Clarke (1). (1) Rutgers University, New Brunswick, NJ; (2) USDA-ARS, Cereal Disease Laboratory, St. Paul, MN

3:30  Verticillium wilt of Ailanthus: Host specificity of Verticillium albo-atrum isolate PSU140.  
M. KASSON and D. Davis. The Pennsylvania State University, Department of Plant Pathology, University Park, PA

3:45 – 4:45  CONTRIBUTED PAPER SESSION II – Amboise Room  
Presiding: Danny Rioux

3:45  Changing climate, changing forests: Two decades of tree dieback and decline in Maine.  
W. LIVINGSTON. University of Maine, Orono

4:00  Stem susceptibility of six eastern Canadian tree species to Phytophthora ramorum.  
M. SIMARD (1), S. Brière (2), A. Watson (3), and D. Rioux (1). (1) Canadian Forest Service; (2) Canadian Food Inspection Agency; (3) McGill University

4:15  Wetwood – An ignored corner in forest pathology.  
D. YANG. FPInnovations-Forintek Division, Quebec

4:30  Solutions to the imbroglio over the nomenclature of Gremmeniella abietina.  
G. LAFLAMME. Natural Resources Canada, Canadian Forest Service, Laurentian Forestry Centre, Quebec

5:00  BUSINESS MEETING NED-APS – Chenonceaux Room  
Presiding: Jim LaMondia, President

5:30  GRADUATE STUDENT AWARD COMMITTEE – Versailles Room

6:30  SOCIAL – Hall of Amboise Room

7:00  BANQUET AND AWARDS – Amboise Room
FRIDAY, OCTOBER 30, 2009

7:00 CONTINENTAL BREAKFAST – Hall of Amboise Room

8:00 – 9:30 SYMPOSIUM: BREEDING FOR IMPROVED DISEASE RESISTANCE IN PLANTS – Amboise Room  Presiding: Bruce Clarke

8:00 – 8:30 Fifty years of breeding for disease resistance in turfgrasses: Where we’ve been and where we’re going
Stacy Bonos, Department of Plant Biology and Pathology, Rutgers University

8:30 – 9:00 Breeding hybrid poplar to improve resistance to Septoria musiva in Québec
Marie-Josée Mottet, Direction de la recherche forestière, Ministère des Ressources naturelles et de la Faune

9:00 – 9:30 Breeding strategy for improving resistance to white pine blister rust (Cronartium ribicola)
Philippe Tanguay, Natural Resources Canada, Canadian Forest Service

9:30 – 11:45 CONTRIBUTED PAPER SESSION III – Amboise Room
Presiding: Beth Gugino

9:30 Evaluation of strawberry breeding lines for tolerance to black root rot and black vine weevil feeding.
J. LAMONDIA and R. Cowles. Connecticut Agricultural Experiment Station, Windsor, CT

9:45 Integration of biofungicides and conventional fungicides for management of peach brown rot.
N. LALANCETTE and K. McFarland. Rutgers University, Agricultural Research & Extension Center, Bridgeton, NJ

10:00 Using lime-sulfur to control sooty blotch and flyspeck in organic apple production in southeastern New York state.
D. ROSENBERGER, F. Meyer, and A. Rugh. Cornell University's Hudson Valley Lab, Highland, NY

10:15 – 10:30 BREAK for refreshments

M. MCGRATH (1), C. Wyenandt (2), R. Raid (3), M. Babadoost (4), and R. Wick (5). (1) Department of Plant Pathology and Plant-Microbe Biology, Cornell University, LIHREC, Riverhead, NY; (2) Rutgers University, Agricultural Research and Extension Center, Bridgeton, NJ; (3) University of Florida, Everglades Research & Educ Ctr, Belle Glade, FL; (4) Department of Crop Sciences, University of Illinois, Urbana, IL; (5) Department of Plant Soil and Insect Sciences, University of Massachusetts, Amherst, MA

10:45 Evaluation of Basil (Ocimum spp.) cultivars and breeding lines for susceptibility to downy mildew.
A. WYENANDT (1), J. Simon (2), and C. Park (2). (1) Rutgers University, Agricultural Research and Extension Center,
11:00  Elucidation and management of bacterial diseases on sweet onion in Pennsylvania. M. MANSFIELD and B. Gugino. The Pennsylvania State University, University Park, PA


11:45  Control of foliar diseases in organically-produced tomato with biopesticides. M. MCGRATH and G. Fox. Department of Plant Pathology and Plant-Microbe Biology, Cornell University, LIHREC, Riverhead, NY

ADJOURN