

**69<sup>th</sup> Annual Meeting of the Northeastern Division  
The American Phytopathological Society**

Program and Abstracts  
October 28 - 30, 2009  
Québec City, Québec Canada

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2008-2009**

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## 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, Piacenza, 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'Environnement, 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'Environnement, 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
- 3:15           **Rust diseases of cultivated turfgrasses: Understanding an old foe.**  
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.  
FPIInnovations-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
- 10:30 **Occurrence of basil downy mildew in the eastern US in 2009.** 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,

Bridgeton, NJ; (2) Rutgers University, Department of Plant Biology and Pathology, New Brunswick, NJ

- 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
- 11:15      **White rot of garlic caused by *Sclerotium cepivorum* - a new disease in Maine.** S. JOHNSON, D. Lambert, B. Watt, and R. Kersbergen. University of Maine, Orono
- 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**