

## IUFRO Prague Program

Remote participation: Join Zoom Meeting  
<https://cesnet.zoom.us/j/99218403860>  
 Meeting ID: 992 1840 3860

### Monday, 20 September

13:00 - 18:00 Registration – *Pavilion of Wood Science*  
 18:00 - 20:30 Welcome reception – drinks, light meal – *Klub C*

### Tuesday, 21 September

*Pavilion of Wood Science*

#### **8:00-9:00 Coffee and registration**

-----Opening session, welcomes-----

9:00-9:10 Andrew Liebhold, conference scientific committee chair  
 9:10-9:20 Róbert Marušák, Dean of Faculty of Forestry and Wood Sciences, Czech University of Life Sciences  
 9:20-9:30 Marek Turčáni, Vice-Rector, Czech University of Life Sciences  
 9:30-9:40 Rene Eschen, Coordinator IUFRO WP7.03.12 – Alien invasive species and international trade  
 9:40-10:25 Keynote: “Before these crowded trees: on invasions by woody species”, Petr Pyšek (Czech Academy of Sciences, Institute of Botany)

#### **10:25-11:00 COFFEE**

11:00-11:15 “Precise mapping of invasions in temperate forests – remote sensing approach”, Jana Müllerová (Institute of Botany, The Czech Academy of Sciences)  
 11:15-11:30 “Remeasured invasive plant data confirms interaction with forest regeneration and structure”, W. Keith Moser (USDA Forest Service, Rocky Mountain Research Station)  
 11:30-11:45 “Insect and plant invasions follow two waves of globalization”, Aymeric Bonnamour (University of Lausanne)  
 11:45-12:00 “Predicting potential impact of invasive alien pathogens on woody vegetation in NATURA 2000 habitats in the Czech Republic”, Eva Chumanová (Silva Tarouca Research Institute for Landscape and Ornamental Gardening)

#### **12:00-13:00 LUNCH**

13:00-13:15 “Effects of density and diversity of neighbouring trees on horse chestnut leafminer damage in urban areas”, Alex Stemmelen (French National Institute for Agriculture, Food and Environment, INRAE)  
 13:15-13:30 “Alien insect dispersal mediated by the global movement of commodities”, Gyda Fenn-Moltu (University of Lausanne)  
 13:30-13:45 “Range extension, or entry with imported goods? The status of *Monochamus* spp. in Belgium”, Jean-Claude Grégoire (Université libre de Bruxelles)  
 13:45-14:00 “Toward an understanding of biotic resistance to continued range expansion of mountain pine beetle ecology”, Brian Aukema (University of Minnesota)  
 14:00-14:15 “Evaluating anisotropy in the spread of emerald ash borer (*Agrilus planipennis*) in North America ecology”, Jacob Wittman (University of Minnesota)

14:15-14:30 “The effect of tree diversity on forest resistance to non-native pests: the case of the invasive western conifer seed bug, *Leptoglossus occidentalis*, in Europe”, Ana Farinha (Université de Bordeaux)

**14:30-15:30 COFFEE and poster presentations (downstairs rooms DP106 and DP107)**

15:30-15:45 “Tamarack monoterpenoids and potential advances in eastern larch beetle monitoring”, Emily Althoff (University of Minnesota)

15:45-16:00 “Determining the cold tolerance of elongate hemlock scale (*Fiorinia externa*) to inform regulatory policy around domestic import/export of holiday greenery in the midwestern United States”, Pheylan Anderson (University of Minnesota)

16:00-16:15 “Alien fungal plant pathogens in Czechia”, Zuzana Haňáčková (Silva Tarouca Research Institute for Landscape and Ornamental Gardening)

16:15-16:30 REMOTE: “Diversity and composition of pathogen and endophyte assemblages in a widespread tree decline disease (beech bark disease)”, Jeff Garnas (University of New Hampshire)

16:30-16:45 REMOTE: “The increasing number of non-native bark and ambrosia beetles in North America”, Robert Rabaglia (USDA Forest Service)

16:45-17:00 REMOTE: “Moths mass migration and the population dynamics of spruce budworm in Eastern Canada”, Jean-Noel Candau (Canadian Forest Service)

17:00-17:15 REMOTE: “Hitchhiking plant propagules represent real invasive species risk at international seaports”, Travis Marsico (Arkansas State University)

**Wednesday, 22 September**

All-day field trip – buses leave hotels at 8:15, return 22:00

**Thursday, 23 September**

8:30-8:45 REMOTE -“First insight into the genetic structure of the invasive oak lace bug (*Corythucha arcuata*) in Europe”, Ferenc Lakatos (University of Sopron)

8:45-9:00 REMOTE “New Zealand’s Forest Biosecurity Surveillance System, Nicolas Meurisse (Scion, New Zealand)

9:00-9:15 REMOTE “Current status of three invasive cerambycid pests in Japan”, Etsuko Shoda-Kagaya (Forestry and Forest Products Laboratory)

9:15-9:30 REMOTE “International insect interceptions”, Rebecca Turner (Scion, New Zealand)

**9:30 – 9:35 PAUSE**

9:35-9:50 “Bridgehead effects in insect and pathogen invasions“, Eckehard Brockerhoff (Swiss Federal Research Institute WSL)

9:50-10:05 “Bioeconomic drivers of global tephritid invasions”, Jiří Trombik (Czech University of Life Sciences FLD)

10:05-10:20 “Biogeography of Lepidoptera invasions worldwide”, Richard Mally (Czech University of Life Sciences FLD)

**10:20-10:45 COFFEE and poster presentations (downstairs rooms DP106 and DP107)**

10:45-11:00 “Do wolves foster increased regeneration following outbreaks of eastern spruce budworm in Isle Royale National Park?”, Jessica Rootes (University of Minnesota)

- 11:00-11:15 “A Transdisciplinary Research and Management Approach for Laurel Wilt: Current Progress and Future Directions”, Romina Gazis (University of Florida, Tropical Research and Education Center)
- 11:15-11:30 “Diversity of seed-borne fungi in international tree seed exchange and its implications for the biosecurity”, Iva Franic (Southern Swedish Forest Research Centre, Swedish University of Agricultural Sciences)
- 11:30-11:45 “Dormant woody plants: a pathway of introduction into Europe of potentially invasive pests?”, Simone Prospero (Swiss Federal Research Institute WSL)
- 11:45-12:00 “Optimising surveillance efforts for priority and other quarantine forest pests and diseases in Switzerland”, Benno Augustinus (Swiss Federal Research Institute WSL)

### **12:00 – 13:00 LUNCH**

- 13:00-13:15 “The Global Forest Health Crisis: A Public Good Social Dilemma in Need of International Collective Action”, Pierluigi (Enrico) Bonello (The Ohio State University)
- 13:15-13:30 “Modelling dispersal trajectories of *Monochamus galloprovincialis*, insect vector of the invasive pine wood nematode, to optimize monitoring by trapping networks”, Pedro Nunes (Instituto Superior de Agronomia, ISA)
- 13:30-13:45 “Distribution, suitability models and pest risk assessment of *Monochamus galloprovincialis*, the main pine wilt disease vector in Europe”, Jean Artois (Université libre de Bruxelles)
- 13:45-14:00 “Preservation of urban canopies of ash trees using insecticide strategies to induce associational protection in Minnesota, USA management”, Dorah Mwangola (University of Minnesota)
- 14:00-14:20 IUFRO Business meeting (discussion of future meetings)
- 14:20-15:00 REMOTE Keynote: “Invasive bark beetles that are going to eat up our forests”, Jiří Hulcr (University of Florida)

### **15:00-15:30 COFFEE**

- 15:30-15:45 “A global perspective on biological control policies: between patchwork and harmonization management”, Lukas Seehausen (CABI)
- 15:45-16:00 “Ash decline and emerald ash borer biocontrol in the continental United States”, Rafael de Andrade (University of Maryland)
- 16:00-16:15 “Invasive oomycetes in Czech forest nurseries and their management”, Karel Černý (The Silva Tarouca Research Institute for Landscape and Ornamental Gardening)
- 16:15-16:30 “Small-scale sampling intensity for sentinel nurseries”, Rene Eschen (CABI)
- 16:30-16:45 REMOTE: “An International Sentinel Network to Reduce Biosecurity Risk Uncertainty for North American Woody Flora”, Geoffrey Williams (US Forest Service)
- 16:45-17:00 REMOTE: “A Reciprocal Sentinel Planting Approach for Assessment of Risk from Invasive Alien Tree Pests”, Caleb Kime (The Ohio State University)

### **Friday, 24 September**

- 9:00-9:15 “Introduced filbert bud mite (*Phytoptus avellanae*) as a threat to commercialization of nut crops of forest *Corylus* spp. in midwestern North America”, Hailey Shanovich (University of Minnesota)
- 9:15-9:30 “Next-generation-sequencing-based biosurveillance for *Anoplophora glabripennis*”, Ilga Porth (Université Laval)
- 9:30-9:45 “Behavior and phenology of exotic longhorned borer *Trichoferus campestris* within Minnesota, United States”, Grace Haynes (University of Minnesota)

9:45-10:00 “Worldwide tests of generic attractants for early detection of non-native cerambycid species at arrival on other continents”, Alain Roques (INRAE)

10:00-10:15 “Unifying phylogenetics and epidemiology to predict multi-host plant pest spread through heterogeneous landscapes”, Shannon Lynch (University of California, Davis)

### 10:15 – 10:45 COFFEE

10:45-11:00 “To stay or to go? Dispersal of individual mountain pine beetles from mature pine forests”, August Kramer (University of Minnesota)

11:00-11:15 “Feeding and growth of two invasive defoliating insect species, *Aproceros leucopoda*, and *Tinocallis takachihoensis*, on three native European elm species, *Ulmus glabra*, *U. laevis*, and *U. minor* grown under two irrigation regimes”, David Musiolek (Czech University of Life Sciences FLD)

11:15-11:30 “Study of phytochemical changes in *Ulmus minor*, *U. laevis* and *U. glabra* infested by the invasive sawfly species *Aproceros leucopoda* and aphid *Tinocallis takachihoensis* under different levels of water stress”, Alina Kalyniukova (Czech University of Life Sciences FLD)

11:30-11:45 REMOTE: “The invasion pathways and effects of *Cestrum auritiacum* Lindl. on forest-landscape ecosystems in Kenya”, Nereoh Leley (Kenya Forestry Research Institute)

11:45-12:00 REMOTE: “Drivers of global Scolytinae invasion patterns” - Victoria Lantschner (Instituto de Investigaciones Forestales y Agropecuarias Bariloche, INTA – CONICET)

### 12:00 – 12:05 Closing ceremony

### 12:05 - 13:00 LUNCH

### Departure

### Poster Presentations

“Development of dispenser with activity for offspring generations of invasive bark beetle *Ips duplicatus*; response to synthetic pheromone dispensers with the volatiles release by wick versus polyethylene foil”, Anna Jirosova (Czech University of Life Sciences FLD)

“Evolution of invasive polyphagous pest insects: Feeding and omics of three *Spodoptera* taxa”, Fredrik Schlyter (Czech University of Life Sciences FLD)

“*Ips acuminatus* (Gyll.): bionomy and behavior of Central-European populations”, Daniela Hlávková (Institute of Entomology, Biology Centre AS CR)

“Migration to soil litter in pre-diapausing adults of *Ips duplicatus* (Sahl.)”, Markéta Davidková (Institute of Entomology, Biology Centre AS CR)

“Historical spread of four *Robinia folivores* in Europe”, Vladimír Medzihorský (Czech University of Life Sciences FLD)

“Can the invasiveness of alien *Duchesnea indica* (Andrews) Th.Wolf be explained by its homeostatic fitness under various environmental conditions?”, Mirjana Šipek (UM, Faculty of Natural Sciences and Mathematics)

“Smell the disease – utilizing volatiles for the early, rapid and non-destructive detection of *Fusarium circinatum* in pine”, Ida Nordström (Swedish University of Agricultural Sciences)

“Hunting for virulence-reducing viruses in the native population of *Hymenoscyphus fraxineus* to control ash dieback in Europe”, Wajeeha Shamsi (Swiss Federal Research Institute WSL)

“Invasion, impact and biological control of the box tree moth, *Cydalima perspectalis*”, Lukas Seehausen (CABI)

“A Global Research Community Advancing the Science of Bark Beetle-fungus Symbiosis”, Shannon Lynch (University of California, Davis)

“What we know about fungal invasions in Europe?” Marcin Pietras (Institute of Dendrology Polish Academy of Sciences Parkowa 5)