

IUFRO | PRAGUE PROGRAM

20. – 24. 9. 2021

MONDAY, 20 SEPTEMBER

16:00 - 21:00 **Registration** – Klub C

18:00 - 21:00 **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"**, Pheylian 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

8:15 Buses depart dormitory A
9:30-10:30 Bee Research Institute, Dol (*Ailanthus altissima*, *Robinia pseudoacacia*)
12:00-12:30 Stříbrná skalice (*Ips duplicatus*)

13:00-14:30 Lunch at the brewery

14:50-15:50 Aldašín (Drought stress, EXTEMIT research plots)
16:00-17:00 Truba – Arboretum - with an explanation from a dendrologist

17:15-20:30 Banquet dinner in castle (At 19:30 will be a prepared tour of the castle)

20:30 Depart Kostelec
22:00 Arrive dormitory A

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 "True fruit fly (Diptera: Tephritidae) invasions: history and global drivers", 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 REMOTE: "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 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** **"To stay or to go? Dispersal of individual mountain pine beetles from mature pine forests"**, August Kramer (University of Minnesota)
- 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** **"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)
- 11:00-11:15** **"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)
- 11:15-11:30** **REMOTE: "Next-generation-sequencing-based biosurveillance for *Anoplophora glabripennis*"**, Ilga Porth (Université Laval)
- 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)
- "Invasive plant drives the spatial dynamics of its herbivores: the case of black locust (*Robinia pseudoacacia*) 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)

„Advancing Bark Beetle Symbiosis Research by Coordinating, Integrating, and Synthesizing Research Efforts Across Continents”, 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)

