



IUFRO Kanazawa 2003

PROGRAM



INTERNATIONAL SYMPOSIUM  
"Forest Insect Population Dynamics and Host Influences"

Joint meeting of IUFRO working groups:  
7.01.02 Tree Resistance to Insects  
7.03.06 Integrated management of forest defoliating insects  
7.03.07 Population dynamics of forest insects

Kanazawa Citymonde Hotel, Kanazawa, Japan  
14-19 September 2003

Sponsored by

IUFRO-J

Ishikawa Prefecture

Kanazawa City

21st-COE Program of Kanazawa University

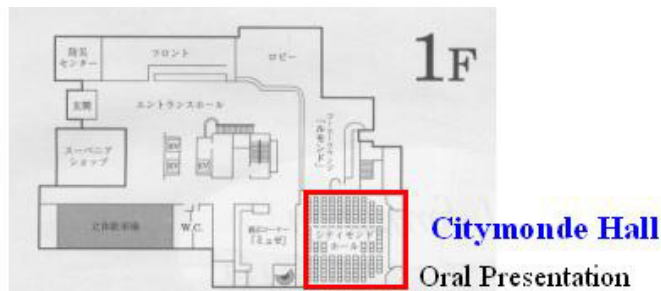
Symposium Conveners

Dr Naoto Kamata, Kanazawa University, Japan  
Dr Katsumi Togashi, Hiroshima University, Japan

### PROGRAM OVERVIEW

	14-Sep SUN	15-Sep MON	16-Sep TUE	17-Sep WED	18-Sep THU	19-Sep FRI	20-Sep SAT	21-Sep SUN
AM		Oral session (1F: Citymonde Hall)			8:00 Dep	Oral session	8:00 Departure  Post-congress overnight tour (OP) (Shirakawago, Mt. Norikura, Kamikochi)  20:00 Arrival	
Lunch		Buffet lunch (2F: Room "Yu-zen")			In-congress tour  20:00 Arr.	Buffet lunch (2F: "Yu-zen")		
PM	17:00-19:00 Reception	Oral session	FREE	Oral session		Oral session		
		Poster Session (2F: "Yu-zen")	Sight seeing & Shopping	Poster Session (2F: "Yu-zen")	Poster session (13F: "Kenroku")			
Evening	19:00-21:00 Welcome Party (2F: Room "Yu-zen")	Dinner (on your own)				17:45-20:00 Farewell Party (Japanese Restaurant: "Kin-jo-ro")		Dinner (on your own)

### FLOOR PLAN



Poster session (15, 17 SEP)  
Buffet lunch (15-17, 19 SEP)



Poster session (15, 17 SEP)

## PROGRAM

### 14-Sep-03

- 17:00 Reception (1<sup>st</sup> or 2<sup>nd</sup> Floor of Kanazawa Citymonde Hotel)  
 19:00 Welcome Party (Room: *Yu-zen*, 2F)  
 Guest Speech  
     Kazuo SUZUKI, Coordinator of Division 7, IUFRO (Tokyo University)  
     Yujiro HAYASHI, President of Kanazawa University  
 21:30 Close

### 15-Sep-03

- 7:45 Reception (Citymonde Hall, 1F)  
 8:15 Opening (Room: Citymonde Hall, 1F)  
 Guest Speech  
     Kazuo SUZUKI, Coordinator of Division 7, IUFRO (Tokyo University)  
     Shunichi MITSUHASHI, Deputy Director General, Department of Agriculture, Forestry and  
         Fishery (Ishikawa Prefectural Government)  
     Kazuichi HAYAKAWA, Project Leader of 21<sup>st</sup>-Century COE Program (Kanazawa University)

Moderator: Naoto KAMATA

- 8:30 Invited lecture: "Pine wilt disease caused by pinewood nematode" (Kazuyoshi FUTAI)  
 9:10 Invited lecture: "Japanese oak wilt caused by *Raffaelea quercivora* carried by an ambrosia beetle"  
 (Shin-ichiro ITO)  
 9:50 Coffee Break

Moderator: Heikki ROININEN

- 10:05 Andrew LIEBHOLD "Spatial dynamics of Periodical Cicada Populations in North America"  
 10:30 Michael MONTGOMERY "Comparison of tree resistance, climate and natural enemies of *Adelges  
 tsugae* in Asia and North America"  
 10:55 Takayoshi NISHIDA "Enhanced predation pressure but not predation itself regulates population  
 dynamics of the seed bug, *Melanophagus faber*"  
 11:20 Nathalie WARZEE "*Thanasimus formicarius* : a good indicator for assessing the impact of forest  
 biodiversity on forest pests ?"  
 11:45 Lunch (Buffet lunch will be held in the room "*Yu-zen*", 2F)

Moderator: Toshihiro YAMADA

- 13:00 Naoto KAMATA "Induced response of oak trees to *Raffaelea quercivora* as a possible control tool  
 against Japanese oak wilt caused by the ambrosia fungus carried by an ambrosia beetle"  
 13:25 Miwa KASAI "Study of *Quercus mongolica* wood extractives damaged from *Platypus quercivorous* attack"

Moderator: Francois LIEUTIER

- 13:50 Manuela Rodrigues BRANCO "Host preference of *Tomicus piniperda* and *T. destruens* for three pine  
 species"

- 14:15 Niklas BJORKLUND "The significance of odour and visual stimuli in orientation too seedlings for the pine weevil *Hylobius abietis* (L.)"
- 14:40 Rene ALFARO "Influences of the host spruce on the population dynamics of the white pine weevil"
- 15:05 Coffee Break

Moderator: Ei'ichi SHIBATA

- 15:20 Katsumi TOGASHI "Spread of an introduced tree pest organism, the pinewood nematode, in Japan"
- 15:45 Ei-ichiro ASAI "The effect of simulated acid rain on the resistance of pine trees to the invasion by pinewood nematode"
- 16:10 Shota JIKUMARU "Is *Bursaphelenchus mucronatus* replaced by *B. xylophilus*?: Yearly fluctuation in distributions of the two nematode species and their vector beetles at the front of range expansion of pine wilt disease"
- 16:35 House Keeping & Coffee Break
- 17:00 Poster session (Room: "Yu-zen", 2F)
- 18:30 Close

Dinner (on your own)

## 16-Sep-03

Moderator: Katsumi TOGASHI

- 8:15 Elena ZVEREVA "Effects of host plant quality on the population dynamics of the leaf beetle *Chrysomela lapponica*"
- 8:40 Michihiro ISHIHARA "Indirect effect of a lace bug on a chrysomelid beetle via host willow quality"
- 9:05 Peter DALIN "Population dynamics of leaf beetles in managed and natural willow systems"
- 9:30 Christer BJORKMAN "Harvest disrupts biological control in a short rotation coppice system"
- 9:55 Coffee Break

Moderator: Rene ALFARO

- 10:10 Francois LIEUTIER "Field validation of phenolic content as a predictor of resistance of Norway spruce to *Ips typographus* attacks, during an outbreak"
- 10:35 Martin SCHROEDER "Reproductive success of the bark beetle *Ips typographus* and impact of natural enemies in a five year period following a large scale storm-felling"
- 11:00 Julius NOVOTONY "Integrated management of spruce bark beetle population in mountain forests"
- 11:25 House keeping

11:40 Lunch (Buffet lunch will be held in the room "Yu-zen", 2F)

Afternoon Free Time: Sightseeing and Shopping  
Dinner (on your own)

## 17-Sep-03

Moderator: Naoto KAMATA

- 8:15 Invited lecture: "Invasive alien species issues" (Keizi KIRITANI)  
 8:55 Invited lecture: "Rich biota in the forests of Yanbaru, Northern montane part of Okinawa Island, and imminent extinction crisis of the endangered species" (Yosiaki ITÔ)  
 9:35 Coffee Break

Moderator: Michael Wagner

- 9:50 Erkki HAUKIOJA "How does birch defense against defoliators operate?"  
 10:15 Michimasa YAMASAKI "What causes spatio-temporal variations in leaf herbivory level within a canopy of *Fagus crenata*?"  
 10:40 Karen CLANCY "Effects of ortet genotype, western spruce budworm defoliation, and fertilization on foliar nutrients in Douglas-fir clones"  
 11:05 Masahiro NOMURA "Intra- and Interspecific variation in the balance between ant and non-ant defenses in *Macaranga*"  
 11:30 Lunch (Buffet lunch will be held in the room "Yu-zen", 2F)

Moderator: Karen CLANCY

- 13:00 Takayoshi KOIKE "Growth and defense characteristics in leaves of Betulaceae"  
 13:25 Lidia SUKOVATA "The effect of defoliation by *Panolis flammea* (Lepidoptera, Noctuidae) on secondary metabolites in Scots pine needles"  
 13:50 Kotaro KONNO "Novel defense systems of the privet tree and the papaya tree and counteradaptations of herbivorous insects"  
 14:15 Coffee Break

Moderator: Julius NOVOTNY

- 14:30 Andrzej KOLK "New approach in protection of the Scots pine plantations against the pine shoot moth, *Rhyacionia buoliana*"  
 14:55 Reza MEHRNEJAD "Three pistachio species evaluated for resistance to the common pistachio psylla, *Agonoscena pistaciae*"  
 15:20 House Keeping & Coffee Break  
 16:00 Poster session (Room: "Yu-zen", 2F)  
**Remove your poster(s) once by 18:30 of 17 SEP.**  
 18:00 Close  
 Dinner (on your own)

## 18-Sep-03

- 7:50 Meet in front of the reception desk on the 1<sup>st</sup> floor. We will use three busses. For foreigners, we do not recommend to get on the No. 3 bus. There will be no English guide in the No. 3 bus.  
 8:00 Departure  
 In-Congress Field Trip

18:30 Arrival  
Dinner (on your own)

### 19-Sep-03

Moderator: Dan QURING

8:30 Davor BEJAKOVICH "Responses to exotic forest pest in New Zealand: fall webworm, gypsy moth, painted apple moth"  
8:55 Marc KENIS "Mortality factors affecting an invasive alien species in Europe, *Cameraria ohridella*"  
9:20 Ferenc LAKATOS "The genetic background of three introduced leaf miner moth"  
9:45 Coffee Break

Moderator: Andrew LIEBHOLD

10:00 Marek TURČÁNI "The results of study of predation of gypsy moth pupae in Slovakia during a period of latency"  
10:25 Helena BYLUND "Multiple factors affecting population dynamics of the autumnal moth (*Epirrita autumnata*)"  
10:50 Julia KORICHEVA "Are mixed forest stands less susceptible to insect herbivore attacks as compared to pure stands?"  
11:15 Nod KAY "Ecosystem function and the prediction of tree defoliator resistance"  
1:40 Lunch (Buffet lunch will be held in the room "Yu-zen", 2F)

Moderator: Nod KAY

13:30 Paivi LYYTIKAINEN-SAARENMAA "Growth responses and mortality of Scots pines after a pine sawfly outbreak"  
13:55 Dan QUIRING "Influence of the host plant and natural enemies on balsam fir sawfly populations"  
14:20 Christopher LUCAROTTI "Field trials of the balsam fir sawfly nucleopolyhedrovirus to control its natural host, *Neodiprion abietis* (Hymenoptera: Diprionidae)"  
14:45 Coffee Break  
15:00 Business Meeting & House Keeping  
16:00 Poster sessions & Mixer (Room: **Kenroku, 13F**)  
**Please remove your poster by 17:30**  
18:00 Farewell Party (Meet in front of the reception desk on the 1<sup>st</sup> floor at 17:45 and move together to a Japanese restaurant "Kin-jo-ro")  
21:00 Close

### 20-Sep-03 Post-Congress Field Trip (Optional)

7:50 Meet in front of the reception desk on the 1<sup>st</sup> floor at 7:45

### 21-Sep-03 Post-Congress Field Trip (Optional)

20:00 Arrival at Kanazawa Citymonde Hotel

## POSTER PAPERS

For poster presenter,

1. A room for poster display will be a room "Yu-zen" at the 2nd floor during 15-17 SEP and a room "Kenroku" at the 13th floor on 19 SEP.
2. Mount your poster(s) on a poster boards in **a Room "Yu-zen (2F)"** in the **afternoon of 15 SEP**.
3. **Remove your poster(s) once by 18:30 of 17 SEP.**
4. Mount your poster again on a poster boards in a **Room "Kenroku (13F)"** in the **afternoon of 19 SEP**.
5. Remove your poster(s) by 17:30 of 19 SEP.

1. Hiroshi FUKUMOTO "Seed-insect fauna in pre-dispersal acorns of *Quercus variabilis* and *Q. serrata* and its impact on acorn production"
2. Helena BYLUND "Is the parasitoid *Perilitus areolaris* an important mortality factor in pine weevil populations?"
3. Katsunori NAKAMURA "Characteristic of the Resistance of *Pinus armandii* var. *amamiana*, an Endangered Pine Species in Japan, to Pine Wilt Disease"
4. Arturas GEDMINAS "Efficiency of pine trap trees"
5. Arturas GEDMINAS "Impact of defoliating insects upon pine radial growth"
6. Ken TABUCHI "Allochronic reproductive isolation between populations of the gall midge *Asteralobia sasakii* inhabiting two holly trees"
7. Matti ROUSI & Pekka NIEMELA "Comparing tree resistance against the gall-forming adelgid, *Adelges abietis* (Homoptera: Adelgidae), in ancestral and novel host plants"
8. Kenji TOKUNAGA "Comparison of physical and chemical properties between galled leaves and ungalled leaves"
9. Masato ITO "Response of gall wasp community to genetic variation in the host plant, *Quercus crispula*"
10. VACANT
11. Dan QUIRING "Genetically-based resistance of black spruce, *Picea mariana*, to the yellow-headed spruce sawfly *Pikonema alaskensis*"
12. Dan QUIRING "Genetically-based resistance of jack pine, *Pinus banksiana*, to the white pine weevil, *Pissodes strobi*"
13. Heikki ROININEN "Mortality of silver birch seedlings after insect and vole feeding: genotypic variation and herbivore effects"
14. Karen CLANCY "The potential role of ectomycorrhizal mutualists in determining Douglas-fir resistance to defoliation by the western spruce budworm"
15. Sawako MATSUKI "Comparison of foliar defense by chemical analysis and bioassay in Betulaceae seedlings"
16. Masahiko MORISHITA "Forecasting of population density of two stink bugs by using airborne sugi pollen counts"
17. Michael WAGNER "Ontogenetic resistance in *Pinus ponderosa* to *Rhayaconia neomexicana*: role of anatomical factors"
18. Michael WAGNER "Host traits associated with susceptibility of elms (*Ulmus* spp) to the elm leaf beetle (*Pyrrhalta luteola*)"
19. Shizuo SUZUKI "Defoliation ratio by herbivorous insects at forest stand level along altitudes, between geological substrates, and between topography on Mt. Kinabalu, Borneo"
20. Naoto KAMATA "Linking ecosystem ecology to insect population ecology: nitrogen cycling, foliage properties,

and insect population outbreaks”

21. Naoya WADA “Effects of simulated partial cotyledon herbivory on seedling growth in a Japanese oak *Quercus crispula*”
22. Nod KAY “Macroecology: a reconciliation of top-down/bottom-up processes”
23. Martin SCHROEDER “Conservation of biodiversity in managed forests”
24. Nathalie WARZEE “Semiochemical diversity and niche partitioning among scolytids and the generalist bark-beetles predator, *Thanasimus formicarius*”
25. Miikka ERIKSSON “Colonization and reproduction of bark beetles on wind felled Norway spruces in southern Finland”
26. Jiichiro YOSHIMOTO “Community of insects attracted to fermented tree sap”
27. Hideshi FUKUDA “Utilization of the symbiotic fungus propagated in host-tree before oviposition by a woodwasp, *Urocerus japonicus* (Hymenoptera: Siricidae)”
28. VACANT
29. Mariko YAMATO “Water relations of oak seedlings infected with *Raffaelea quercivora* vectored by *Platypus quercivorus*”
30. Toshihiro YAMADA “Defense responses of oak trees against the fungus *Raffaelea quercivora* vectored by the ambrosia beetle *Platypus quercivorus*”
31. Hisahito OANA “Reaction of an ambrosia beetle *Platypus quercivorus* to gallic acid and ellagic acid in sapwood of oak infested by *Raffaelea quercivora*”
32. Hiroyuki TAKEMOTO “Volatile Compounds Related to Attractant of *Platypus quercivorus* from *Quercus mongolica*”
33. VACANT
34. Kojiro ESAKI “Stand-level distribution and movement of *Platypus quercivorus* adults and patterns of incidence of new infestation”
35. Yutaka IGETA “Influence of light condition on the spatial distribution of an ambrosia beetle *Platypus quercivorus* (Murayama) (Coleoptera: Platypodidae) flying in a secondary natural broad-leaved forest”
36. Ryotaro KOMURA “Analysis of Japanese oak wilt spread using aerial photography and GIS”
37. VACANT
38. VACANT
39. VACANT
40. Teresa Vasconcelos
41. Niklas BJÖRKLUND ”PINE WEEVIL: Host plant acceptance on mineral soil and humus”
42. Kensuke IMAI
43. VACANT
44. VACANT

### POSTER ARRANGEMENT

15, 17 SEP

19 SEP

Room “Yu-zen”, 2F

Room “Kenroku”, 13F

