



The Roles of Boreal Forests in a Global Context

**International Boreal Forest Research Association
The 14th Scientific Conference**

September 22-27, 2008 Harbin, China

The 3rd Circular

**The 14th IBFRA Scientific Conference Secretariat
September 10, 2008**

General Information

Conference rooms

Plenary session: Room 331 in Wildlife Building

Concurrent sessions: Room 515 in Main Building for Topics 2, 5 and 9; Room 517 in Main Building for Topics 3, 6 and 8; Room 332 in Wildlife Building for Topics 1 and 7; Room 333 in Wildlife Building for Topic 4.

Posters: Symposium Hall on the 2nd floor of NEFU Expert Hotel.

Meals

All breakfasts are included in the hotel charges. The icebreaker on September 22, lunches during the conference, the welcome banquet and farewell banquet are included in the registration fee. An icebreaker will be arranged at the Banquet Hall on the basement floor of NEFU Expert Hotel starting at 16:00 on September 22. A welcome banquet and a farewell banquet will be held at the same Banquet Hall at 18:00 on September 23 and 25, respectively. Lunch will be provided as a buffet style at the same Banquet Hall from 12:00 to 13:30. The dinner on September 24 (Thursday) will be at your own expense (We are happy to recommend various cuisines in the city).

Oral presentations

Please hand in your Powerpoint file to the conference secretariat and upload it to the conference computer at the registration time. If you are using slides or overheads, please inform the conference secretariat at the registration time.

Posters

All sessions' posters are displayed in the Symposium Hall on the 2nd floor of NEFU Expert Hotel. Please put up your poster on the assigned board on September 22, 2008. Pins, staples, etc. are available in the Hall. Poster session will be opened at 19:00 from September 22 to 25.

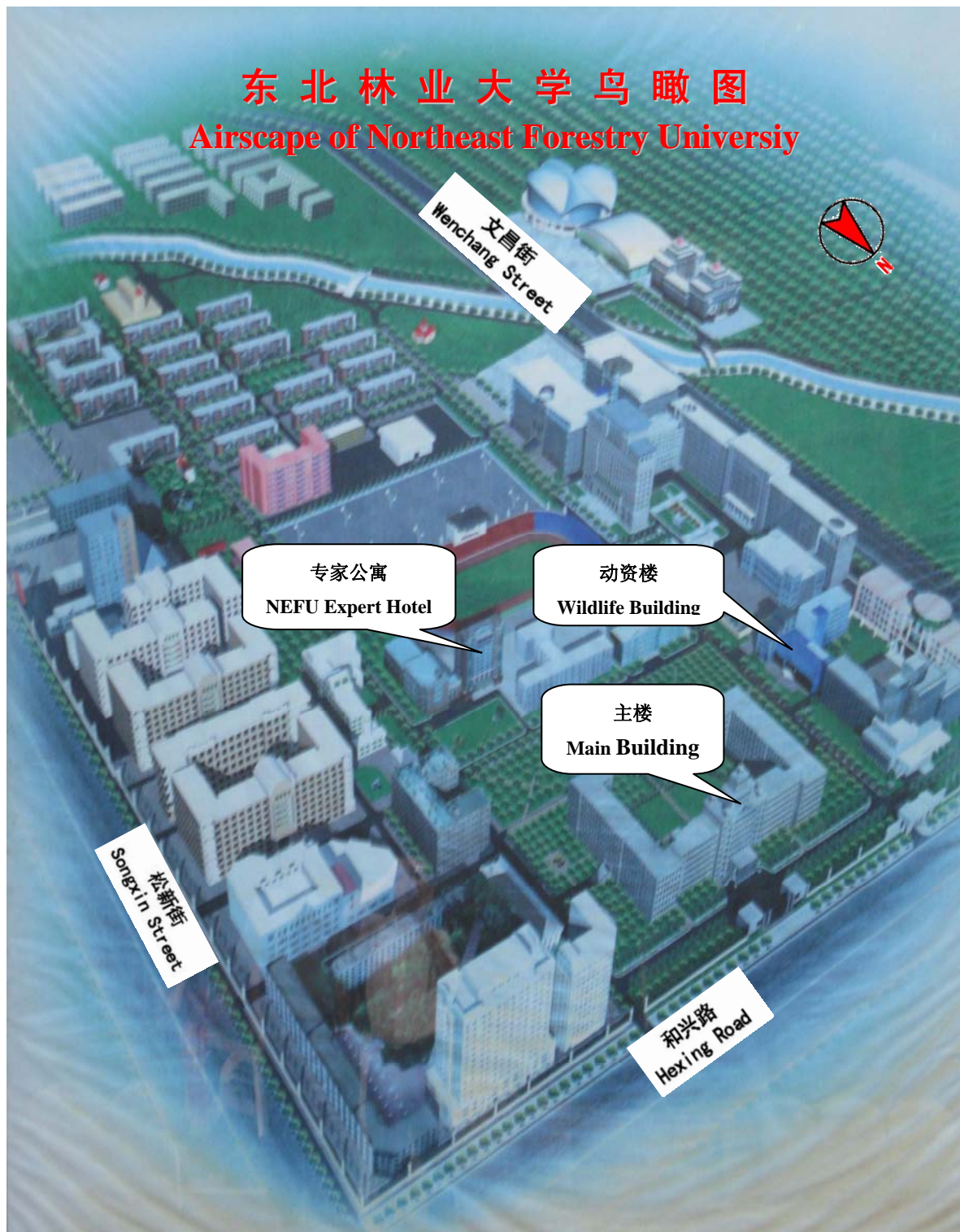
Business center

A business center (fax, photocopy, Internet access, etc.) is located in the lobby of the 1st floor of NEFU Expert Hotel. Please prepare changes (in Chinese Yuan) by yourself.

Travel information desk

Travel information (e.g., excursions, sightseeing, food, shopping in Harbin, etc.) is available at the registration desk.

Conference Map



Programme Overview

Date	Morning (8:30-12:00)	Afternoon (13:30-17:30)	Evening
September 22 (Monday)	Registration (Lobby of NEFU Expert Hotel)		Icebreaker (16:00-18:00)
September 23 (Tuesday)	Open ceremony & Plenary session (Room 331 in Wildlife Building)	Plenary session (Room 331 in Wildlife Building)	Welcome banquet (Banquet Hall on the basement floor of NEFU Expert Hotel)
		Concurrent session (Wildlife Building) (S1: Room 332) (S4: Room 333) (Main Building) (S2: Room 515) (S3: Room 517)	Poster session (Symposium Hall on the 2 th floor of NEFU Expert Hotel)
September 24 (Wednesday)	Plenary session (Room 331 in Wildlife Building)	City tour	Poster session (Symposium Hall on the 2 th floor of NEFU Expert Hotel)
	Concurrent session (Main building) (S5: Room 515) (S6: Room 517)		
September 25 (Thursday)	Plenary session (Room 331 in Wildlife Building)	Concurrent session (Main building) (S8: Room 517) (S9: Room 515) (Wildlife Building) (S7: Room 332)	Farewell banquet (Banquet Hall on the basement floor of NEFU Expert Hotel)
		Close ceremony (Room 331 in Wildlife Building)	

Session	Topic		Room
Plenary	All keynote speakers' lecture		Room 331 in Wildlife Building
Concurrent	S1	Boreal forest resources	Room 332 in Wildlife Building
	S2	Boreal forest management for multiple use	Room 515 in Main Building
	S3	Socioeconomics and sustainability of boreal forests	Room 517 in Main Building
	S4	Advances in technology for boreal forest studies and management	Room 333 in Wildlife Building
	S5	Nutrients, water and climate	Room 515 in Main Building
	S6	Insects and diseases	Room 517 in Main Building
	S7	Wildlife management	Room 332 in Wildlife Building
	S8	Boreal wildfire management	Room 517 in Main Building
	S9	Carbon management	Room 515 in Main Building

Detailed Programme

September 22

Register and put up posters (Lobby on the 1st floor and Symposium Hall on the 2th floor of NEFU Expert Hotel)

08:00 – 15:00 Registration, put up posters

09:00 – 11:00 Meeting of the Scientific Committees

11:00 – 13:00 *Lunch*

13:00 – 15:00 First meeting with the IBFRA Steering Committee

13:00 – 15:00 Time available for working group meetings

16:00 – 18:00 “Ice breaker” with drinks and snacks

September 23

Plenary Session (Room 331 of Wildlife Building)

Co-Chairs: **Xueying Di**, Northeast Forestry University, Harbin, China
Sune Linder, SLU, Faculty of Forest Sciences, Umeå, Sweden

08:30 – 09:50 Opening ceremony

09:50 – 10:00 Practical “in house” information

10:00 – 10:30 *Tea and coffee break*

10:30 – 11:15 **Olga Krankina**, Oregon State University, Corvallis, USA
Boreal forest resources: past, present and future

11:15 – 12:00 **John Innes**, University of British Columbia, Canada
Managing the boreal forest resource to meet future needs

12:00 – 13:30 *Lunch*

13:30 – 14:15 **Tom Gower**, University of Wisconsin-Madison, USA
Coupling of the biological and industrial carbon cycles in boreal forests

14:15 – 15:00 **Tuula Nuutinen**, The Finnish Forest Research Institute, Joensuu, Finland
Modern techniques and models in adaptive forest planning

15:00 – 15:30 *Tea and coffee break*

15:30 – 17:30 Concurrent sessions 1 – 4

18:00 – 19:30 *Welcome banquet*

19:30 – 20:30 Posters

Session 1: *Boreal forest resources*

(Room 332 of Wildlife Building)

Co-Chairs: **Anatoly Shvidenko**, IIASA, Laxenburg, Austria
Yujun Sun, Beijing Forestry University, China

15:30 – 15:45 **D. Savchuk**, Institute for Monitoring of Climatic and Ecological Systems of SB RAS, Russia
Seed resource Siberian stone pine chronologies

15:45 – 16:00 **V.G. Sukhovolskiy**, V.N. Sukachev Institute of Forest, Akademgorodok, Krasnoyarsk, Russia
Critical phenomena (fire and windthrow) in boreal forests: models of second order phase transition

16:00 – 16:15 **Anatoly Shvidenko**, IIASA, Laxenburg, Austria
Productivity of northern Eurasian forests in a changing world

16:15 – 16:30 **Hanguo Zhang**, Northeast Forestry University, Harbin, China
Family genetic variation of larch hybrids and selection of superior families

16:30 – 16:45 **Ruiping Zhang**, Northeast Forestry University, Harbin, China
Constitutive expression of a lea gene from *Tamarix androssowii* conifers salt tolerance in transgenic poplar

- 16:45 – 17:00 **Runhong Gao**, Forestry College of Inner Mongolia, Agricultural University, Huhhot, China
Study on the key species of *Larix gmelinii* forest in Daxinganling
- 17:00 – 17:15 **Xingang Kang**, Beijing Forestry University, Beijing, China
Pattern and species diversity of secondary and over-cutting spruce-fir forest in Changbai Mountain, northeast of China
- 17:15 – 17:30 **S. Velisevich**, Institute for Monitoring of Climatic and Ecological Systems of SB RAS, Russia
Adaptive structure of Siberian stone pine (*Pinus sibirica*) populations in optimal and suboptimal environments

Session 2: *Boreal forest management for multiple uses*

(Room 515 of Main Building)

Co-Chairs: **Jan-Erik Hällgren**, SLU, Faculty of Forest Sciences, Umeå, Sweden
Guangsheng Zhou, Institute of Botany, CAS, China

- 15:30 – 15:45 **Dmitry Efremov**, Far Eastern Forestry Research Institute, Khabarovsk, Russia
Dynamics of forest cover of the boreal zone as an indicator of global change (by the example of the Russian Far East)
- 15:45 – 16:00 **I.N. Bezkorovaynaya**, Institute of Forest Russian Academy of Sciences, Siberian Branch, Russia
Ecological and trophical structure of soil invertebrate communities in forest ecosystems of central Siberia
- 16:00 – 16:15 **E.S. Euskirchen**, University of Alaska Fairbanks, Institute of Arctic Biology, Fairbanks, USA
Changes in atmospheric heating and carbon dynamics under future climate scenarios in fire-disturbed northern boreal forests
- 16:15 – 16:30 **D.L. Sotnichenko**, V.N. Sukachev Institute of Forest, SB RAS, Krasnoyarsk, Russia
Mathematical model of processes of reforestation after windfall
- 16:30 – 16:45 **Marine Elbakidze**, Faculty of Geography, Lviv National University of Ivan Franko, Lviv, Ukraine
Lessons of sustainable forest management implementation in Russian boreal forests: from the experience of three development projects

- 16:45 – 17:00 **S. Chumachenko**, Moscow State Forest University, Moscow, Russia
Comparison of different forest management regimes in Lyaskelskoe
Lesnichestvo in the republic of Karelia with model forests
- 17:00 – 17:15 **Shuqi Hao**, The Key Laboratory for Silviculture and Conservation of
Ministry of Education, Beijing Forestry University, Beijing, China
Study on key problems of non-commercial forest management in
Beijing, China
- 17:15 – 17:30 **Azamat Isakov**, P.A. Gan Institute for Forest and Walnut Tree
Research, National Academy of Sciences of the Kyrgyz Republic,
Bishkek, Kyrgyz Republic
Changing the horizontal space structure of coniferous forests: its effect
on timber yield

Session 3: Socioeconomics and sustainability of boreal forests

(Room 517 of Main Building)

Co-Chairs: **Yunkun Cao**, Northeast Forestry University, Harbin, China
IBFRA SC member (to be arranged)

- 15:30 – 15:45 **Hongshan Li**, College of Economics and Management, Northeast
Forestry University, Harbin, China
The location of forestry enterprise's development
- 15:45 – 16:00 **Junjie Xu**, College of Economy Management, Northeast Forestry
University, Harbin, China
A preliminary study on construction of the indicators system of
energy-saving and emission-reducing
- 16:00 – 16:15 **Yihong Xu**, Economics and Management School, Northeast Forestry
University, Harbin, China
On relationship of taxation policy and forestry economy development
- 16:15 – 16:30 **Yukun Cao**, Northeast Forestry University, Harbin, China
Analysis of implementation effect on natural forest protection project
in state-owned forest areas of Heilongjiang province from the
perspective of worker-family budget
- 16:30 – 16:45 **Guo-shuang Tian**, Northeast Forestry University, China

Study on construction of forestry resource management system based on crisis pre-alarm system

16:45 – 17:00 **Yufang Wang**, College of Economics & Management, Northeast Forestry University, Harbin, China
Evaluation of synergetic development effect of economic-ecological-social system of state-owned forest region in Yilin province

17:00 – 17:15 **Kati Vierikko**, Department of Biological and Environmental Sciences, University of Helsinki, Finland
Sustainable forest management in Finnish boreal forests – interdisciplinary approach

17:15 – 17:30 **Zisheng Xing**, Potato Research Centre, Fredericton, Canada
Effects of pre-commercial thinning on the development of balsam fir [*Abies balsamea* (L.) Mill] forests in three ecological regions of New Brunswick, Canada

Session 4: *Advances in technology for boreal forest studies and management*

(Room 333 of Wildlife Building)

Co-Chairs: **Geoff Munro**, NRC, Canadian Forest Service, Canada
Fengri Li, Northeast Forestry University, Harbin, China

15:30 – 15:45 **S. Verkhovets**, Siberian Federal University, Krasnoyarsk, Russia
High resolution studies of Siberian ecosystem at regional scale

15:45 – 16:00 **Fengri Li**, Northeast Forestry University, Harbin, China
Models for the time course of self-thinning in unthinned plantations

16:00 – 16:15 **Yuliya Ivanova**, Institute of Biophysics, SB RAS, Krasnoyarsk, Russia
Regional and satellite data on NPP: comparison, estimation and extrapolation

16:15 – 16:30 **Yinghui Zhao**, Northeast Forestry University, China
Study on application technique of digital forestry of the forestry bureau

16:30 – 16:45 **Wenyi Fan**, College of Forestry, Northeast Forestry University, Harbin, China
Quantitative retrieving of vegetation factors for desertification area

- 16:45 – 17:00 **Cunyong Ju**, College of forestry, Northeast Forestry University, Harbin, China
Deriving relationship of forest parameters and satellite and forest inventory data using partial least squares regression and knn algorithm
- 17:00 – 17:15 **Hua Yang**, College of forestry, Beijing Forestry University, China
The application of image measurement and experimental normal form factor in estimating the volume of a single tree
- 17:15 – 17:30 **Vera Ryzhkova**, V.N. Sukachev Institute of Forest, SB RAS, Krasnoyarsk, Russia
Forest ecosystem monitoring in human-impacted zones using GIS technologies

September 24

Plenary Session (Room 331 of Wildlife Building)

Co-Chairs: **Robert Grant**, Department of Renewable Resources, University of Alberta, Edmonton, Canada
Chuankuan Wang, Northeast Forestry University, Harbin, China

08:30 – 09:15 **Torgny Näsholm**, Swedish University of Agricultural Sciences, Umeå, Sweden
Nitrogen nutrition of boreal forest plants

09:15 – 10:00 **Yuri Baranchikov**, V.N. Sukachev Institute of Forest, RAS, Russia
(To be determined)

10:00 – 10:30 *Tea and coffee break*

10:30 – 12:30 Concurrent sessions 5 – 6

12:30 – 13:30 *Lunch*

13:30 – 17:30 City tour (Time available for working group meetings)

18:00 – 19:30 *Dinner*

19:30 – 20:30 Posters / Second meeting with the IBFRA Steering Committee

Session 5: *Nutrients, water and climate*

(Room 515 of Main Building)

Co-Chairs: **Harald Grip**, Swedish University of Agricultural Sciences, Umeå, Sweden

Changhui Peng, University of Quebec at Montreal, Canada

10:30 – 10:45 **R.F. Grant**, Department of Renewable Resources, University of Alberta, Edmonton, Canada
Changes in net ecosystem productivity of boreal black spruce stands in response to changes in temperature at diurnal and seasonal time scales

10:45 – 11:00 **D.V. Sotnichenko**, Siberian State Technological University, Krasnoyarsk, Russia
Critical wind events: time dynamics and the spatial interlinking

11:00 – 11:15 **Chuankuan Wang**, School of Forestry, Northeast Forestry University, Harbin, China
Temperature sensitivity of soil respiration in boreal larch forests during spring soil thawing process

11:15 – 11:30 **Marja-Liisa Sutinen**, Geological Survey of Finland, Rovaniemi, Finland
Tree species spreading on mafic and felsic fells in Lapland

11:30 – 11:45 **Jiacun Gu**, School of Forestry, Northeast Forestry University, Harbin, China
Estimation of fine root turnover, carbon and nitrogen fluxes of different branch orders of two Chinese temperate tree species

11:45 – 12:00 **V. I. Kharuk**, V. N. Sukachev Institute of Forest, Krasnoyarsk, Russia
Forest-tundra ecotone response to climate change in the south Siberian Mountain

12:00 – 12:15 **Sergey T. Im**, V. N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
Mountain forest-tundra ecotone temporal and elevation analysis based on topographic maps, satellite data and DEM

12:15 – 12:30 **Anatoly Prokushkin**, Institute of Forest SB RAS, Akademgorodok, Krasnoyarsk, Russia
Dissolved organic matter in central Siberian forested watersheds underlain by continuous permafrost: sources and composition

Session 6: *Insects and diseases*

(Room 517 of Main Building)

Co-Chairs: **P. Ye. Volkova**, V.N. Sukachev Institute of Forest SB RAS, Russia

Shanchun Yan, Northeast Forestry University, Harbin, China

10:30 – 10:45 **Zhaojun Meng**, Northeast Forestry University, Harbin, China
How did ja-induced responses influence the behavior of host plant selection of *Dendroimur superans* and *Anastatus japonicus*?

10:45 – 11:00 **P. Ye. Volkova**, V.N. Sukachev Institute of Forest SB RAS,
Krasnoyarsk, Akademgorodok, Russia
Simple modeling of insect olfactory search

11:00 – 11:15 **Qi Wang**, College of Forestry, Northeast Forestry University, Harbin, China
The activities of antioxidant enzymes in *Larix gmelinii* seedlings under the stresses of cutting needles and herbivore feeding

11:15 – 11:30 **Rem Khlebopros**, Institute of Economics, Management and Environmental Studies Siberian Federal University, Krasnoyarsk, Russia
Outbreaks of forest insects: phase portrait analysis

11:30 – 11:45 **Tianzhong Jing**, College of Forestry, Northeast Forestry University, Harbin, China
Neuropeptide: a new generation of insecticide?

11:45 – 12:00 **Xueping Zhang**, Harbin Normal University, China
Soil animals community structure and litter decomposition features under limbs and em treatment

12:00 – 12:15 **A.V. Kovalev**, International Scientific Center for Organism Extreme States Research, SB RAS, Krasnoyarsk, Russia
Modeling of Siberian moth population dynamics: feedback effects

12:15 – 12:30 **Hong-E Yuan**, Northeast Forestry University, Harbin, China
Compare on content changes of ten phenolic acids in needles of *Larix gmelinii* wound induced by cutting needles and insect feeding

September 25

Plenary Session (Room 331 of Wildlife Building)

Co-Chairs: **Douglass McRae**, Canadian Forest Service, Canada
Fengyou Wang, Forestry Department of Heilongjiang Province,
Harbin, China

09:00 – 09:45 **Minghai Zhang**, College of Wildlife Resources, Northeast Forestry University, Harbin, China
The main mammal conservation and researches in boreal forest of Heilongjiang Province, Northeastern China

09:45 – 10:30 **Xueying Di**, College of Forestry, Northeast Forestry University, Harbin, China
Climate change impacts on forest fire in Northeast China.

10:30 – 11:00 *Tea and coffee break*

11:00 – 11:45 **Werner Kurz**, Canadian Forest Service, Canada
The potential contribution of carbon management in boreal forests to reduce global atmospheric GHG concentrations

11:45 – 12:00 Congress photo

12:00 – 13:30 *Lunch*

13:30 – 15:30 Concurrent sessions 7 – 9

15:30 – 16:00 *Tea and coffee break*

16:00 – 17:30 **Plenary Session (Room 331 of Wildlife Building)**

Concluding remarks
Awards for best oral presentation and poster
Thanks and farewells

18:00 – 20:00 *Farewell banquet*

Session 7: *Wildlife management*

(Room 332 of Wildlife Building)

Co-Chairs: **Jianzhang Ma**, Northeast Forestry University, Harbin, China
Yanchun Xu, Northeast Forestry University, Harbin, China

13:30 – 13:45 **Bo Li**, College of Wildlife Resources, Northeast Forestry University, Harbin, China
Characterization of mhc-drβ allelic variation in the sika deer (*Cervus nippon*): a comparison of cloning and non-cloning molecular typing methods

13:45 – 14:00 **Manhong Liu**, College of Wildlife Resources, Northeast Forestry University, Harbin, China
Investigation on fish fauna status and the existing state of resource of Jingpo Lake of China

14:00 – 14:15 **Yanhua Liu**, College of Wildlife Resources, Northeast Forestry University, Harbin, China
Mitochondrial DNA analysis of northeastern China roe deer (*Capreolus pygargus*) population: genetic structure and its implications for management and conservation

14:15 – 14:30 **Li-yang Luo**, College of Wildlife Resource, Northeast Forestry University, Harbin, China
Population subdivision and conservation of the Chinese wolf

14:30 – 14:45 **Xiaolong Wang**, Wildlife Resource College, Northeast Forestry University, Harbin, China
The construction of the risk assessment framework for avian influenza spread under the climate condition of ice rain in the southern China

14:45 – 15:00 **Decun Yan**, Northeast Forestry University, Harbin, China
A study on specific identification of tiger based on Cytb and Coi gene sequences

15:00 – 15:15 **Yi Li**, Wildlife Resources College, Northeast Forestry University, Harbin, China
A comparative study of trophic niche of red deer and roe deer before and after the heavy snowfall in eastern Wanda Mountain

15:15 – 15:30 **Hongxian Yu**, College of wildlife resources, Northeast Forestry University, Harbin, China

Fauna composition and population resumption strategies of fish in Xingkai Lake, China

Session 8: *Wildfire management*

(Room 517 of Main Building)

Co-Chair: **Douglas J. McRae**, Canadian Forest Service, Canada
 Xueying Di, Northeast Forestry University, China

13:30 – 13:45 **Susan G. Conard**, US Forest Service, Arlington, Virginia, USA
Understanding interactions between wildfire and boreal zone carbon balance in Siberia

13:45 – 14:00 **Douglas J. McRae**, Natural Resources Canada, Canadian Forest Service, Sault Ste. Marie, Ontario, Canada
The Russian fire bear project: Differences in fire behavior characteristics amongst some common Siberian fuel types

14:00 – 14:15 **Xiaorui Tian**, The Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry, Beijing, China
Evaluation of the Canadian forest weather indexes system in Daxing'an Mountains

14:15 – 14:30 **Evgrafova S. Yu**, Institute of Forest SB RAS, Krasnoyarsk, Russia
Soil microbial populations in post-fire successions in boreal forests of central Siberia

14:30 – 14:45 **Long Sun**, School of Forestry, Northeast Forestry University, Harbin, China
Estimation of carbon emission of aboveground biomass from forest fires during 1980-1999 in Daxing'anling in Heilongjiang province in China

14:45 – 15:00 **A.V. Bogorodskaya**, Forest Institute, Russian Academy of Sciences, Krasnoyarsk, Russia,
Impact of different forest fire intensities on soil microbial complexes of boreal forests in central Siberia

15:00 – 15:15 **Sen Jin**, College of Forest Science, Northeast Forestry University, Harbin, China
Forest fire regimes in Heilongjiang province, china, from 1980-1999: large-scaled effects of vegetation, climate and human activities

15:15 – 15:30 **Amber Soja**, National Institute of Aerospace, NASA, Hampton, USA
Wildfire, weather and climate: defining the catalyst for change in
Sakha and Tuva

Session 9: *Carbon management*

(Room 515 of Main Building)

Co-Chair: **Werner Kurz**, Canadian Forest Service, Canada
 Xiaohua (Adam) Wei, British Columbia, Canada

13:30 – 13:45 **Wen-Jie Wang**, Key laboratory of Forest Plant Ecology, Northeast
Forestry University, Harbin, China
Carbon sink evaluation of a larch plantation in NE China from 2001 to
2007

13:45 – 14:00 **E. Vedrova**, Institute of Forest Russian Academy of Sciences, Siberian
Branch, , Krasnoyarsk, Russia
Carbon budget in the boreal forests along the Yenisei transect

14:00 – 14:15 **Xiaohua (Adam). Wei**, University of British Columbia, Canada
Disturbances and the sustainability of long-term productivity in
lodgepole pine forests, British Columbia, Canada

14:15 – 14:30 **Changhui Peng**, Department of Biology Sciences, University of
Quebec at Montreal, Centre-Ville Montreal, Canada
Quantifying the response of forest carbon balance to future climate
change in northeastern China: Model validation and prediction

14:30 – 14:45 **D. Edwin Swift**, Natural Resources Canada, Canadian Forest Service,
Canadian Wood Fibre Centre, Fredericton, Canada
Effects of different planting densities on carbon storage and stand
growth for white spruce growing on marginal sites

14:45 – 15:00 **Y. Matsuura**, Forestry and Forest Products Research Institute,
Tsukuba, Japan
Carbon storage of larch ecosystems developed on the permafrost in
northeastern Eurasia.

15:00 – 15:15 **Xuefeng Li**, Institute of Applied Ecology, Chinese Academy of
Science, Shenyang, China

Fine root biomass, distribution, turnover rate, and decomposition process in a natural Mongolian oak (*Quercus mongolica*) forest

15:15 – 15:30 **Trofim Chr. Maximov**, Institute for Biological Problems of Cryolithozone SB RAS, Russia
The carbon budget of permafrost-dominated forest ecosystems of the Yakutia region in Russia

Field Excursion Itinerary

Tour 1: Field Excursion to Mao'ershan Forest Ecosystem Research

Station (September 26-27, 2008)

- ✧ **Related conference theme:** Forest ecosystem structure and functions, long-term ecological research
- ✧ **Description:** Mao'ershan Forest Ecosystem Research Station, founded in 1974, is an important base of Northeast Forestry University for research, student training and model forestry. The total area is 26, 291 ha, of which 70% is covered with representative secondary temperate forests in northeastern China. The highest peak is Maoershan (meaning “hat” mountain). It takes about 1.5 hours driving from Harbin to the station (110 km east to Harbin). The climate is similar to that in Harbin, so you do not need special apparel except hiking shoes. You will see long-term ecological research sites, discuss scientific issues related to structure and function of forest ecosystem, enjoy hiking in woods with clear Ashi River flows and beautiful scenic backdrop, have special countryside meals, and stay in newly-built splendid hostel as well.

✧ **Itinerary schedule:**

Day 1 (September 26)

8:00	Depart the hotel
10:00	Arrive at the station
10:00 – 12:00	Site 1 and 2: Ecological processes (carbon, nitrogen and water cycles) measurements at 6 forest types with different stand structures and site conditions
12:00 – 13:00	Lunch break: Station sightseeing and meteorological measurements
13:00 – 15:00	Site 2 and 3: Eddy flux measurements and garden experiments
15:20	Depart the station
16:00	Arrive at the hostel in Mao'ershan Forestry Farm
18:00	Dinner

Day 2 (September 27)

7:30	Breakfast
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- 8:30 – 10:00 Poster exhibition and discussion by groups
 Group 1: Long-term studies on forest ecosystems: Chuankuan Wang (NEFU, China)
 Group 2: Carbon and nitrogen cycles: Sune Linder (Leading, SLU, Sweden)
 Group 3: Water cycle: Adam Wei (UBC, Canada)
 Group 4: Data integration and ecological modeling: Changhui Peng (UQAM, Canada)
- 10:30 – 12:00 Mao'ershan Forestry Farm tour
 12:00 Lunch
 13:30 Depart Mao'ershan for Harbin
 15:00 Arrive at Harbin
- ✧ **Cost and ration:** EUR€ 80 per person (10 ~ 60 persons, registration will be done based on “first-come first -served” rule)
 ✧ **Organizers:** Chuankuan Wang (China) & Sune Linder (Sweden)

Tour 2: Field Excursion to Liangshui Natural Reserves (September 26-27, 2008)

- ✧ **Related conference theme:** Boreal forest resource and broad leaved Korean pine (*Pinus koraiensis*) old-growth forest ecosystem
- ✧ **Description:** Liangshui Natural Reserves is another base of Northeast Forestry University for education and scientific research. It's well known as a primary original broad leaved Korean old-growth pine forest in Xiaoxing'an Mountains Region. There are abundant flora and fauna, among which 46 species of animals and 5 species of plants are listed as the endangered species in China. It takes 5.5 hours getting to Dailing from Harbin by train, and additional 0.5 hours to Liangshui national Nature Reserve by bus (350 km northeast to Harbin). The climate is ~2 °C lower than Harbin. You will see Liangshui broad leaved Korean pine old-growth forest with a variety of plants and appreciate rurality.
- ✧ **Itinerary schedule:**
Day 1 (September 26)
 07:00 – 07:30 Breakfast
 07:30 – 12:30 Depart Harbin for Liangshui Nature Reserve in Dailing District, Yichun City
 12:30 – 13:30 Lunch and break
 13:30 – 17:00 Sighsee a broadleaved-Korean pine mixed old-growth forest, visit the animal-vegetation specimen room.
 18:00 Dinner
- Day 2 (September 27)**
 07:30 – 08:00 Breakfast
 08:30 – 11:00 Visit a spruce-fir forest

- 11:30—12:30 Lunch break
- 12:30 Back to Harbin
- ✧ **Cost and ration:** EUR€ 110 per person (10 ~ 30 persons, registration will be done based on “first-come first -served” rule)
- ✧ **Organizers:** Guifeng Liu (China), Zhiying Wang (China) & Guangze Jin (China)

Tour 3: Field Excursion to Daxing'an Mountain (September 25-27, 2008)

- ✧ **Related conference theme:** Boreal wildfire management
- ✧ **Description:** Daxing'an Mountain in Heilongjiang Province is located in the most northern China (121°12'—127°00'N; 50°10'—53°33'E), covering 8.35 million ha. Seventy four percent of the area is occupied by boreal Dahuria larch (*Larix gmelinii*). The climate is cold temperate continental climate and characterizing with a long cold winter and short hot summer. The annual mean temperature ranges from -2°C ~ -4°C. It is the High Prevalence area of forest fires for its climate is affected by the monsoon. There are 496 forest fires during the past 20 years from 1980 to 1999. The annual mean forest burned area is highest in our country.
- ✧ **Itinerary schedule:**
 - Day 1 (September 25-26)**
 - 20:20—07:30 Leave for Daxing'an Mountain by train (**September 25**)
 - 07:30 Arrive at the Jagedaqi (**September 26**)
 - 07:50—08:30 Breakfast at Jagedaqi
 - 09:00 – 12:30 Leave for Tahe forestry bureau: Sightseeing on boreal forest landscape and burns in historical period along the “Jiamo Road”
 - 12:30 Arrive at the Tahe
 - 12:40 – 13:40 Lunch
 - 14:00 – 15:00 Visit 2007 burns at Yanjiang forest farm
 - 15:20 – 17:30 Depart Yanjiang forest farm for Mohe county: Sightseeing on boreal forest landscape and burns in historical period along the “Jiamo Road”
 - 17:40 Arrive at the hotel in Mohe county
 - 18:00 Dinner
 - Day 2 (September 27)**
 - 08:00 – 08:30 Breakfast
 - 08:30 – 13:30 Visit “5.6” Forest Fires Memorial or Arctic Village
 - 13:30 – 14:30 Lunch
 - 15:40 Depart Mohe county for Beijing
 - 20:25 Arrive at Beijing
- ✧ **Cost and ration:** EUR€ 235 per person (10 ~ 20 persons)
- ✧ **Organizers:** Xueying Di (China) , Douglas J. McRae(Canada) & Susan G. Conard (United States)

Tour 4: Field Excursion to Zalong Natural Reserves (September 26-27, 2008)

- ✧ **Related conference theme:** Wetland and wildlife management
- ✧ **Description:** Zhalong Natural Reserve is the largest wetland reserve in China, located in the SongNen Plain of Heilongjiang Province. It is situated 30 km north to Qiqihar, ~ 320km northwest to Harbin. Established in 1979 by the Chinese government, the 2100 km² marshland is a major migratory route for birds from the Arctic migrating to Southeast Asia, and one of the few breeding grounds in the Far East for the Marsh Grassbird (*Megalurus pryori*). Its ponds and reeds make it an ideal home for over 300 bird species. It takes 5 hours traveling Harbin to Qiqihar by train or bus. The climate is a little cool than Harbin. You will see the large scale of the reed marshes, cranes breeding center, animal museum, many migratory birds, especially red-crowned cranes flying in the blue sky. You will be deeply impressed by large wetlands, and elegant and beautiful red-crowned cranes.
- ✧ **Itinerary schedule:**
 - Day 1 (September 26)**

7:00	Depart the hotel
10:00	Arrive and sightsee at Longfeng Wetland
11:30	Lunch break at Daqing
15:00	Arrive and sightsee at Zalong Natural Reserves
18:00	Dinner
 - Day 2 (September 27)**

5:00	Early morning bird viewing
7:30	Breakfast
8:00 –11:00	Visit the natural reserves
11:30	Lunch
12:30	Depart Zalong for Harbin
- ✧ **Cost and ration:** EUR€ 160 per person (10 ~ 30 persons, registration will be done based on “first-come first -served” rule)
- ✧ **Organizers:** Hongfei Zou (China) & Yanchun Xu (China)

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