

# PLEASE READ FIRST

*This document is a complete listing of all keynote speakers, oral presentations and posters, arranged alphabetically by first author's last name. The following notes and legend key will aid you in reading the list correctly.*

---

There are two scheduled poster sessions: Monday 7-9 pm, and Tuesday, 7-9 pm.

\* The Monday poster session will include posters that correspond to oral sessions A through H (all Monday sessions, all Tuesday sessions, and the Wednesday 8:30-10am session).

\* The Tuesday poster session will include posters that correspond to oral sessions I through M (Wednesday 10:30-noon session and all Thursday sessions).

---

The following document lists which oral session your poster abstract corresponds to, NOT the actual time of the poster session!

---

Legend:      K = Keynote speaker  
              O = Oral presentation  
              P = Poster

Type	Lastname	Presentation	Session
P	Agafonov	Leonid Agafonov. The Ob River flow and tree growth: dendrochronological view	Mo 3:30
P	Alekseev	A. S. Alekseev, A.R. Soroka. Scots Pine Growth Trends at its Northernmost and Moderate Extent in Boreal zone: Comparative Analysis	Mo 3:30
P	Amarsaikhan	D. Amarsaikhan and M. Sato. Guidelines for Establishing a Decision Support System for Biodiversity Management in Eastern Khuvsgul Region, Mongolia	Th 3:30
P	Amarsaikhan	D. Amarsaikhan and M. Sato. Integration of RS and GIS for Sustainable Forest Management	Th 3:30
O	Amiro	B.D. Amiro, A.G. Barr, T.A. Black, S.D. Chambers, F.S. Chapin III, M.L. Goulden, M. Litvak, H. Liu, J.H. McCaughey, A. Orchansky, and J.T. Randerson. The impact of fire on the surface energy balance: potential climate feedbacks	Th 10:30
P	Bachelet	D. Bachelet, J. Lenihan, R. Neilson, R. Drapek. Simulating the response of natural ecosystems and their fire regimes to climatic variability.	Mo 10:30
P	Baker	Stephen Baker, Irina Beskaravainaja, and Anna Bogorodskaja. Soil Respiration Rates of Scotch Pine Forest Burn Sites in Central Siberia	We 8:30
P	Baker	Stephen Baker, Wei Min Hao, and Sherri Dingley. Emissions of Trace Gases for Forest Fires in Central Siberia	We 8:30
P	Balshi	Balshi, M., Verbyla, D., McGuire A.D. Evaluating the influence of historical wildfire scars and climate on regional NDVI changes in Alaska	We 8:30
P	Banfield	E. Banfield, J. Bhatti, S. Kull and M.J. Apps. Impact of Stand-replacing Windthrow Events on the Carbon Budget of Boreal Forests in Canada	Th 8:30
K	Barber	Valerie A. Barber, Glenn Patrick Juday, Martin Wilmking. Landscape-scale growth response of Alaska boreal tree species to climate.	Mo 3:30
O	Barr	A.G. Barr, T.A. Black, J.H. McCaughey, H.H. Neumann, K. Morgenstern, N. Kljun, T. Griffis, E.H. Hogg, Z. Nestic. Climatic Controls on the Carbon and Water Budgets of a Boreal Aspen Forest in Central Canada, 1994-2003	Tu 8:30
P	Bates	Preliminary ecological-economic assessment of the forest use by residents of the Tanana Valley watershed	Th 3:30
P	Beier	Colin M. Beier, Glenn P. Juday, and Paul E. Hennon, David D'Amore, A. David McGuire and F.S. Chapin III. Dendroclimatology of declining <i>Chamaecyparis nootkatensis</i> (Yellow Cedar) forests in Southeast Alaska	Mo 3:30
P	Benscoter	Brian W. Benscoter, R. Kelman Wieder, and Dale H. Vitt. Responses of carbon accumulation to microtopography and fire: complex interactions in boreal peatlands	Tu 3:30
P	Berg	Ed Berg, David Henry, and Andrew De Volder. Warming climate and spruce bark beetle outbreaks: a 250-year record from the Kenai Peninsula and the Kluane region of the Yukon Territory	Mo 1:30
O	Bergeron	Bergeron, Yves, Carcaillet, Christopher, Cyr, Dominic, Gauthier, Sylvie, Hely Christelle, and Mike Flannigan. Holocene changes in fire frequency in North-Western Quebec	Mo 1:30
P	Bergh	Johan Bergh, Michael Freeman, and Jouni Räisänen. Effects of Climate Change on Net Primary Production in Nordic forests – An Analysis Based on Regional Climate Scenarios.	Th 10:30
P	Bernier	P. Bernier, B. Amiro, J. Bhatti, A. Cameron, M. Lavigne, I. Morrison, T. Trofymow, and T. Varem-Sanders. Carbon stocks in mature and disturbed forests across the Canadian Landscape	Th 8:30
P	Bezkorovainaya	I.N. Bezkorovainaya, P.A. Tarasov, and E.N. Krasnoshekova. Postfire Ecological Conditions of Soils in <i>Pinus sylvestris</i> Stands of Central Siberia	We 8:30
P	Calef	Monika P. Calef, A. David McGuire, T. Scott Rupp. Human impacts on fire in the Western Arctic: a statistical assessment at the regional scale	Mo 10:30
P	Candau	Jean-Noël Candau and Richard A. Fleming. Landscape-scale spatial distribution of spruce budworm defoliation in relation to bioclimatic conditions.	Mo 10:30

O	Chapin	F. Stuart Chapin, III, La'ona DeWilde, Paul Duffy, T. Scott Rupp, A. David McGuire, Eric Kasischke, Dan Mann, D. Verbyla, Sarah Trainor, and Monika Calef. Scale-dependency of human-fire interactions in the Alaskan boreal forest	Mo 10:30
P	Chen	Jing M. Chen, Weimin Ju, Brian Amiro, and Dave Price, and Josef Cihlar. Updating Forest Stand Age Through Remote Sensing and Incorporating Disturbance in Spatially Explicit Carbon Cycle Modeling	Th 10:30
O	Chertov	Oleg Chertov, Alexander Komarov, Alexey Mikhailov. Evaluation of different silvicultural regimes by the results of forest simulation modeling	We 10:30
P	Conard	Susan G. Conard, Peter Tsvetkov, Galina A. Ivanova, Douglas J. McRae. Impacts of Fire Severity and Fire Behavior on Mortality of <i>Pinus sylvestris</i> in Pine Forests of Central Siberia	Tu 1:30
P	Corradi	Chiara A. R. Corradi. Carbon dioxide and methane exchange of a north-east Siberian sedge wetland.	Tu 8:30
P	D'Amore	David D'Amore, Paul Hennon, and Adelaide Johnson. Evaluating the influence of soil temperature, hydrology, and chemistry on yellow-cedar mortality in Southeast Alaska	Tu 10:30
K	Dargaville	Roger Dargaville, Philippe Peylin and Philippe Ciais. Constraining atmospheric CO <sub>2</sub> inversions with terrestrial biosphere parameters	Th 8:30
P	Dawe	Janice Dawe. Exchange of technical information on forest management in Alaska	We 10:30
P	DeWilde	La'ona DeWilde, F. Stuart Chapin, III, T. Scott Rupp, and David Verbyla. Human impacts on fire regime in interior Alaska	Mo 10:30
O	Duane	Maureen V. Duane, Olga N. Krankina, Sean Healey, Julia Kuzminykh, Warren Cohen. TempO and Regional Patterns of Disturbance in the St. Petersburg Region, Russia	Mo 10:30
P	Duffy	Paul Duffy, Scott Rupp, and Daniel Mann. Quantifying the spatial variability of burn severity in interior Alaska	Tu 1:30
P	Dunn	Allison L. Dunn, Steven C. Wofsy, Carol C. Barford. The long-term carbon balance of a mature black spruce forest in Manitoba, Canada: Sensitivity to temperature, precipitation, and soil moisture	Tu 8:30
P	Edwards	Edwards, M.E., and B.P. Finney. Long-term interactions of climate and disturbance in the boreal forest of Alaska-Yukon.	Mo 1:30
P	Euskirchen	Eugénie Euskirchen, Kurt S. Pregitzer, Jiquan Chen. Carbon fluxes during three snow-free seasons in a young jack pine ecosystem	Tu 8:30
P	Farber	Sergey Farber, Vladimir Sokolov, Anatoly Shvidenko. Estimating the disturbance of forest ecosystems	Mo 10:30
K	Flannigan	M.D. Flannigan, K.A. Logan, B. J. Stocks, B.D. Amiro and J.B. Todd. Fire and Climate Change in the 21st Century	Mo 10:30
O	Flessa	Heiner Flessa, Andrej Rodionov, Oleg Kazansky, and Georg Guggenberger. Soil organic carbon storage and net-CH <sub>4</sub> fluxes in a catchment of the forest tundra ecotone in Siberia: Effects of permafrost distribution.	Tu 10:30
P	French	Nancy H.F. French and Charles E. Olson, Jr. Remote Sensing Estimates of Albedo at Fire-disturbed Boreal Forest Sites	We 8:30
P	Fresco	Nancy Fresco. An interdisciplinary approach to investigating current and potential carbon sequestration in the boreal forest of Interior Alaska: modeling biological, economic, and sociopolitical variables	We 10:30
P	Fresco	Nancy Fresco. The importance of tempO heterogeneity and the role of older stands in the boreal forest of Interior Alaska: a literature review	Th 1:30
P	Fukuda	Masami FUKUDA, Kouji NAKAU, Hiroshi HAYASAKA, Keiji KUSHIDA, Toshihisa HONMA, Junichi KUDOH, Anatoly I. SUKHININ, Vladimir S. SOLOVYEV, and Sergey TASHCHILIN. Improvement of Siberian Forest Detection Algorithm using NOAA Images and Ground Truth Data	Mo 10:30
O	George	C. T. George, F. Gerard, C. Rowland, H. Balzter, I. McCallum, and A. Shvidenko. The Fire Regime in Central Siberia in 1990-2003 and its Impact	Th 8:30

		on Emissions of Major Greenhouse Gases	
P	Girardin	Martin-Philippe Girardin, and Jacques Tardif. Relationship between tree growth and the atmospheric vertical profile in the boreal Plains of Manitoba, Canada	Mo 3:30
O	Goetz	Scott J. Goetz, Edward Hyer, Jennifer Small, Jennifer Hewsen, Eric Kasischke. Remote sensing and modeling of boreal forest regrowth dynamics	We 8:30
P	Graham	Jeff S. Graham and Tricia L. Wurtz. Lodgepole pine and Siberian larch: the debate over planting non-native trees in interior and southcentral Alaska	We 10:30
K	Grelle	Achim Grelle, Timo Vesala. The effect of extreme winters on Boreal forest carbon balance	Tu 8:30
P	Guan	W.B. Guan, J.Y. Cai, F.X. Su, C.P. Li, Z.P. Fan. The theory and model of the protective eco-field around a shelterbelt	Tu 1:30
P	Guan	Wenbin Guan, Minsheng Ye, Keming Ma, Guohua Liu, Jianan Wu, and Xilin Wang. Analysis on $\beta$ diversity of plant communities in the arid valley of the upper reaches of Minjiang river	Th 1:30
P	Guggenberger	Georg Guggenberger, Masayuki Kawahigashi, Klaus Kaiser, Karsten Kalbitz, Heiner Flessa, and Andrej Rodionov. Dissolved organic matter composition and biodegradability in small tributaries along a latitudinal gradient from central taiga to forest tundra, Siberia.	Tu 10:30
P	Hall	Marianne Hall, Mats Råntfors, Sune Linder, Göran Wallin. The Effect of Elevated [CO <sub>2</sub> ] and Temperature on Respiration and Photosynthesis in Developing Shoots of Boreal Norway Spruce.	Tu 8:30
P	Hänninen	Heikki Hänninen, Pasi Kolari, Eero Nikinmaa, Frank Berninger, and Pertti Hari. Seasonal development of Scots pine under climatic warming: effects on photosynthetic production	Tu 8:30
P	Harden	Jennifer W. Harden, Merritt R. Turetsky, Kristen L. Manies, and Jon Carrasco. Organic soils of the north: A legacy of climate-fire interactions?	Tu 3:30
P	Hayasaka	Hiroshi Hayasaka, and Keiji Kimura. Forest Fires and Climate in Alaska and Sakha.	Mo 10:30
O	Heinsch	Faith Ann Heinsch, John S. Kimball, Maosheng Zhao, Sinkyu Kang, and Steve Running. Verification of satellite Gross and Net Primary Production estimates at several boreal sites	Tu 10:30
K	Henttonen	Heikki Henttonen. Change in the population cycles of small rodents in northern Fennoscandia: Forestry or climate change?	Th 1:30
P	Hewson	Jenny H. Hewson, Simon Trigg, Tatiana Loboda, Ivan A. Csiszar, Amber J. Soja. Validation of AVHRR-derived fire maps of Eastern Russia	Mo 10:30
P	Higuera	Philip Higuera, Linda Brubaker, Pat Anderson, Feng Sheng Hu, Ben Clegg, Tom Brown, Scott Rupp. Paleo Investigations of Climate and Ecosystem Archives (PICEA): Holocene climate-vegetation-fire interactions in the southern Brooks Range, Alaska	Mo 1:30
P	Hillis	T.L. Hillis, Lance Schmidt and R.L. Case. Disturbance and the Emergence of Landscape Pattern: Implications of Climate-related Influences in the Boreal Forest, Northwest Territories	Tu 1:30
P	Hoepfing	Michael K. Hoepfing, Nancy J. Luckai, Dr. David M. Morris. Incorporating new field and laboratory calibration values into the CENTURY Soil Organic Matter Model: Relevance to Climate Change Modelling	Tu 3:30
O	Hogg	E.H. (Ted) Hogg and Ross W. Wein. Impacts of drought on forest growth and regeneration following fire in the southwestern Yukon, Canada	Mo 3:30
O	Hollingsworth	Teresa N. Hollingsworth and Marilyn D. Walker. The biodiversity of black spruce communities in interior Alaska in a changing climate: The interaction between vegetation, disturbance, and carbon	Th 1:30
K	Hu	Sheng Hu, Jason Lynch, Linda Brubaker, Willy Tinner, Phil Higuera, and Ben Clegg. How Climate Influences the Fire Regime of the Alaskan Boreal Biome: The Holocene Perspective	Mo 1:30
P	Illman	Barbara L. Illman, Kenneth F. Raffa, Richard A. Werner, and Brian Aukema. Spruce Beetle -Fungal Complexes as Agents of Disturbance in	Th 1:30

		Alaskan Forests: Intrinsic and Extrinsic Factors Affecting Resilience and Scale of Population Eruption	
P	Ivanov	A.V. Ivanov, V.A. Ivanov, K.P. Koutsenogii, V.I. Makarov, Y.N. Samsonov, T.V.Churkina. Aerosols Composition from Wildfires burning in <i>Pinus sylvestris</i> Stands of Central Siberia	We 8:30
P	Ivanova	G.A. Ivanova, D.J. McRae, V.A. Ivanov, E.A. Kukavskaya, N.N. Volosatova. Forest Fuels in Central Taiga <i>Pinus sylvestris</i> Stands of Central Siberia	We 8:30
P	Ivanova	G.A. Ivanova, V.D. Perevoznikova, N.M. Kovaleva and S.G.Conard. Living Ground Cover Changes after Fires of Varying Intensity in <i>Pinus sylvestris</i> Stands of Central Siberia	We 8:30
O	Janzen	D.T. Janzen, C.H. Bois, P. Sanborn, M.J. Jull, R.D. Wheate, A.L. Fredeen. Identifying Impacts of Forest Management on Carbon Stocks and Sequestration	We 10:30
P	Jiang	Hong Jiang, Yanli Zhang, Michael J. Apps. Spatial pattern and sensitivity to climate change of ecosystem carbon stock in Boreal Forest Transect Case Study (BFTCS) of Canada	Tu 10:30
P	Jiang	Hong Jiang, Yanli Zhang. The dynamics of boreal forest landscape pattern under fire and pest disturbances in Alaska.	Tu 1:30
O	Johnstone	Jill Johnstone and Eric Kasischke. Patterns of tree establishment in relation to burn severity in a recently-burned black spruce forest, central Alaska	Tu 1:30
O	Jorgenson	Torre Jorgenson and Thomas Osterkamp. Response of Boreal Ecosystems to Varying Modes of Permafrost Degradation in Alaska	Mo 1:30
O	Juday	Glenn Patrick Juday, Scott Rupp, John Zasada, Valerie Barber. The ecological niche and persistence strategy of white spruce in the western North American boreal forest	Tu 1:30
P	Kane	Evan S. Kane, David W. Valentine. Soil carbon stabilization along productivity gradients in interior Alaska	Tu 10:30
P	Kasischke	Eric Kasischke, Jennifer Hewson, Scott Goetz, Jennifer Small, Jill Johnstone, Simon Trigg, and Nancy French. Interpretation of the carbon storage consequences of changes in satellite-observed NDVI in a fire-disturbed boreal forest	Tu 3:30
O	Kasischke	Eric Kasischke and Jill Johnstone. Fire-Climatic Feedbacks on Surface Fuel Consumption and Soil/Temperature Moisture in Black Spruce Forests in Interior Alaska	We 8:30
O	Kharuk	Slava I. Kharuk, Maria Dvinskaya, and Kenneth J. Ranson. Wildfires in the larch forests: frequency and trends	Mo 1:30
P	Kharuk	Slava I. Kharuk, Maria Dvinskaya, and Kenneth J. Ranson. Evidence of larch dominated communities response to the climate trends	Mo 3:30
P	Kielland	Knut Kielland, Roger Ruess, Jack McFarland, Karl Olson, and Tom Green. Rapid cycling of organic nitrogen in taiga forest soils	Tu 3:30
P	Kim	Yongwon KIM and Noriyuki TANAKA. Effect of Soil Temperature on the fluxes of CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O in Boreal Forest, Central Alaska	We 8:30
P	Kimball	John S. Kimball, Maosheng Zhao, Kyle C. McDonald and Steve Running. Satellite observations of variability in boreal terrestrial Net Primary Production	Th 8:30
P	Kirichenko	Natal'ya Kirichenko. Dry Matter and Elements Flows in Siberian Moth Populations	Tu 3:30
O	Kisilyakhov	Ye.K. Kisilyakhov, J.C. Brissette, I.V. Kosov, S.T. Eubanks, E.N. Valendik, R.J. Lasko, S.V. Verkhovets, and A.Yu. Lantukh. Role of Fire in Restoring Boreal Conifer Stands Killed by Siberian Moth	We 10:30
P	Knorre	Anastasia A. Knorre, Eugene A. Vaganov. Evaluation of annual productivity in the most sensitive forest ecosystems using annual layer structures of plants	Mo 3:30
P	Kochtubajda	B. Kochtubajda, M.D. Flannigan, K.A. Logan, J. R. Gyakum, and A. Way. Lightning-initiated fire disturbances in the Northwest Territories and responses to future climate change	Mo 10:30

P	Kozlov	D.N. Kozlov, M.Yu.Puzachenko,, M.V. Fediaeva, T.V.Orlov, Yu.G.Puzachenko. Map-making of a boreal forest condition on the basis of multi-band scanner image (Landsat) and large-scale digital model of a relief	Th 8:30
K	Krankina	Olga N. Krankina, Richard A. Houghton, Mark E. Harmon, David Butman. Successional Change in Forest Biomass: The Impact of Climate and Disturbance Regime	Tu 1:30
P	Kurbatova	J. Kurbatova, N. Vygodskaya. CO2 fluxes in southern taiga of European Russia	Tu 8:30
K	Kurz	Werner A. Kurz, Juha Metseranta, Graham Stinson, Greg Rampley and Michael J. Apps. Probability distributions of future carbon balances in Canada's boreal forest	Th 10:30
P	Kushida	Keiji Kushida, Alexandre P. Isaev, Gen Takao,Trofim C. Maximov, and Masami Fukuda. Remote sensing of forest floor and upper layer LAI evaluated with IKONOS satellite in east Siberian taiga.	Tu 3:30
P	Kuzmenko	E. I. Kuzmenko, V.A. Snytko. Influence of fires and large cuts on structure forests of the southern taiga forests in mid-Siberia	Tu 1:30
O	LaBau	Vernon J. LaBau. An overview of University of Alaska research on the Spruce Bark Beetle infestation, Kenai Peninsula, Alaska, 1997-2002.	Tu 1:30
P	Lavigne	M.B. Lavigne, G. Goodine and R. Boutin. Stem respiration relationships with growth and temperature vary among sites and years	Tu 10:30
P	Lewis	Kathy J. Lewis, R. Douglas Thompson, Lori M. Trummer. Growth response of spruce infected by <i>Inonotus tomentosus</i> in South-Central Alaska and interaction with spruce beetle	Tu 3:30
P	Li	Chunping Li, Wenbin Guan, Xinhua Zhou, Fanxing Su. On fractal dimensional structure of a shelterbelt: definition and model of fractal geometry dimension	Tu 1:30
O	Liang	Naishen Liang, Yasumi Fujinuma, and Gen Inoue. Partitioning NEE using multichannel automated chamber systems.	Tu 8:30
P	Liu	Heping Liu, Lisa Welp, James Randerson. Interannual variability of growing-season CO2 exchange in boreal ecosystems following fire disturbance in interior Alaska	Tu 3:30
P	Liu	Heping Liu, J.T. Randerson, J. Lindfors, F.S. Chapin. Changes in the surface energy budget following fire in boreal ecosystems of interior Alaska: an annual perspective	We 8:30
P	Lloyd	Lloyd, Andrea H., Alexis E. Wilson, R. Matthew Landis, and Christopher L. Fastie. Population dynamics of black and white spruce in the southern Brooks Range, Alaska	Mo 3:30
O	Lucht	Wolfgang Lucht, Sibyll Schaphoff, Birgit Schröder, and Christian Beer. Present and future of boreal zone carbon balances using a Dynamic Global Vegetation Model, climate change simulations and satellite data	Th 10:30
P	Luke	S.L. Luke, E.E. Prepas, N.J. Luckai, T.T. McCreedy. The Forested Watershed and Riparian Disturbance (FORWARD) Vegetation Project	We 10:30
P	Lynch	Jason A. Lynch, Feng Sheng Hu, and Andrea Hui. Does Vegetation Mediate the Fire -Climate Relationships in Boreal Regions?	Mo 1:30
K	Mack	Michelle C. Mack, Katheen K. Treseder,, Kristen L. Maines, Jennifer W. Harden, Edward A. G. Schuur, James T. Randerson, and F. Stuart Chapin, III. Effects of fire and plant species composition on plant biomass, carbon and nitrogen pools, and aboveground net primary productivity in interior Alaska	Tu 3:30
P	Maksimov	Maksimov A.P., Kononov A.V., and Maximov T.C. Photosynthesis of larch in permafrost area.	Tu 8:30
P	Maksyutov	S. Maksyutov, D. Rukhovich, A. Peregon, N. Gorina, E. Kozin, Y. Polischuk. Soil and vegetation GIS data for West Siberia.	Th 8:30
P	Mann	Daniel Mann, Scott Rupp, and Paul Duffy. Understanding the links between climate, fire, and vegetation: a field- and model-based approach	Mo 10:30
O	Maximov	Trofim Maximov, Han Dolman, Micheil van der Molen, Ayal Maximov and Alexander Kononov. Regional peculiarities of carbon cycle in	Th 8:30

		permafrost forests ecosystems.	
O	Mazepa	Valeri S. Mazepa. Climate change and stand density in the upper treeline ecotone in the Polar Ural Mountains for the last millennium	Mo 3:30
O	McDonald	Kyle C. McDonald, John S. Kimball, Maosheng Zhao, Eni Njoku, Reiner Zimmermann and Steven W. Running. Satellite remote sensing of pan-boreal growing season and terrestrial net primary production: observed trends and variability	Th 8:30
K	McRae	Douglas J. McRae, Susan G. Conard, Galina A. Ivanova, Valery A. Ivanov. Impacts of Fire Severity on Carbon Balance in Boreal Pine Forests of Central Siberia	We 8:30
P	McRae	D.J. McRae, J-Z. Jin, A.I. Sukhinin, S.G. Conard, G.A. Ivanova, and T.W. Blake. Infrared characterization of the inherent variability in boreal forest fires	We 8:30
P	Mollicone	Danilo Mollicone, Frederic Achard, Svetlana Scherbina, E-Detlef Schulze. Determining natural fire effect on forest carbon balance by landscape change detection analysis. Study case of Central Siberian pristine <i>Pinus sylvestris</i> forest	Tu 3:30
P	Myers-Smith	I. H. Myers-Smith, I.H., A. D. McGuire, J. W. Harden and F. S. Chapin. Carbon exchange along a soil moisture gradient after fire.	We 8:30
P	Olsson	Per Olsson, Peter Höggberg, and Sune Linder. Fertilisation in boreal forest increases biomass production, but reduces autotrophic and heterotrophic soil respiration.	Tu 8:30
P	Onuchin	Alexander A. Onuchin, Michael A. Korets and Vasilij Goryaev. Spatial Patterns of Air Temperature Trends in Central Yakutia	Mo 3:30
P	Oreshkov	D. N. Oreshkov. Stem Pest Species Composition and Population Densities in <i>Pinus sylvestris</i> Stands of Central Siberia after wildfires of varying fireline intensity	Tu 1:30
P	Osawa	Akira Osawa, Nahoko Kurachi, Yojiro Matsuura, and Ross W. Wein. Carbon budget of dense jack pine forests: a chronosequence study in Northwest Territories, Canada	Tu 3:30
P	Ott	Robert A. Ott, Marc A. Lee, William E. Putman, Dr. Owen K. Mason, Gordon T. Worum, and David N. Burns. Patterns and Processes of Bank Erosion Along the Entire Tanana River, Interior Alaska	Mo 10:30
P	Overduin	Overduin, P. P., Yoshikawa, K., Harden, J., Bolton, W. R., Kane, D. L. The impact of wildfire on the thermal and hydrological properties of boreal forest floor	We 8:30
P	Packee	E.C. Packee, C. Rosner, T. Malone and C-L. Ping. Alaska black spruce: ecophysiology and climatic change	Tu 10:30
K	Paré	David Paré, Robert Boutin, and Guy R. Larocque. Is the soil carbon cycling of fire-avoider balsam fir stands less resistant to warming than that of fire-adapted black spruce stands? A case study along a climatic transect in eastern Canada	Tu 10:30
P	Peng	Changhui Peng, Xiaolu Zhou, and Qinglai Dang. Predicting Boreal Forest Growth and Yield under a Changing Climate: A Case Study in the Lake Abitibi Model Forest of Ontario, Canada	Tu 10:30
P	Peters	Vernon S. Peters, Ellen S. Macdonald, Mark R. T. Dale. The importance of initial versus delayed regeneration of White Spruce in boreal mixedwood succession	Tu 1:30
P	Petropavlovsky	B.S. Petropavlovsky. Boreal forests: ecology and opportunities for mathematics-cartographical modeling.	Th 10:30
P	Ping	C.L. Ping, E.C. Packee, P. Borden, T. Malone, and N. Zaman. The physical environment, morphology and carbon stocks of soils in upland black spruce forest, Interior Alaska	Tu 10:30
O	Pologova	Nina N. Pologova. Ecological Condition in Natural Old Cedar Forest in the Middle Taiga of Western Siberia	Th 1:30
O	Prokushkin	Anatoly Prokushkin, Irina Gavrilenko, Stanislav Prokushkin, Anatoly Abaimov, Andrey Samusenko, Larisa Gluschenko. Climatic factors	Tu 10:30

		influencing fluxes of dissolved organic carbon in a continuous permafrost Siberian watershed	
P	Puzachenko	Puzachenko Mikhail Y. Landscape determination of windfalls in south taiga on Valdai Hills	Mo 10:30
P	Puzachenko	Puzachenko Mikhail Y., Puzachenko Yuri G. Severtsov, Denial N. and Orlov Timothy V. Modelling power of organogenic soil horizon for forested and bogged soils in south taiga moraine landscapes	Th 10:30
P	Racine	Charles Racine and Torre Jorgenson. Regional Boreal Forest Vascular Plant and Landscape Diversity in Interior Alaska	Th 1:30
P	Ranson	K.J. Ranson, K. Kovacs, and V.I. Kharuk. The spatial and tempO relationship of land cover thermal anomalies and anthropogenic features in the Mid-Siberian landscape	Mo 10:30
P	Raulier	F. Raulier, P.Y. Bernier, David Pothier and C.-H. Ung. Linking the disturbance regime to the applicability of growth and yield tables for the estimation of merchantable volume in black spruce stands of Quebec, Canada	We 10:30
P	Riordan	Kevin Riordan, Laura Bourgeau-Chavez, James Slawski, Orest Kawka, Mike Medvecz, and Seth Ames, and Jennifer Allen. Improving Fire Danger Indices in Alaska through the Incorporation of Spatially Distributed Fuel Moisture Data from Satellite Radar Imagery	Mo 10:30
P	Rosner	C. Rosner, E.C. Packee, J.D. Shaw, T. Malone, C. L Ping. Alaska Black Spruce Productivity: Baseline Data, Site Quality and Stand Characteristics	Tu 10:30
P	Rozhkov	Yury Ph. Rozhkov. Use of GIS Technologies in Monitoring of Climatic Changes of Wood Ecosystems of South-West Yakutia (Russia)	Tu 1:30
P	Rozhkova	Olga Yu. Rozhkova. The Analysis of Climatic Changes in Boreal Woods of Southwest Yakutia for the Centenary Period	Tu 1:30
O	Ruess	R.W. Ruess. Linking fine root dynamics with ecosystem carbon cycling in black spruce forests of interior Alaska.	Tu 8:30
P	Ryzhkova	Vera A. Ryzhkova, Michael A. Korets, Vyacheslav P. Cherkashin. Estimation of Forest Current State and Dynamics Using GIS	Tu 1:30
P	Sano	M. Sano, F. Furuta and T. Sweda. Effect of Volcanic Eruptions on Temperature and Tree Growth in Kamchatka	Mo 3:30
P	Sazonova	Tatiana S. Sazonova, Vladimir E. Romanovsky, and Sergei S. Marchenko. The Effect of the Forest Fires on the Spatial and TempO Dynamics of the Permafrost within the East-Siberian Transect.	Th 10:30
P	Schulze	Schulze ED, Czimeczik C. The dynamics of black Carbon in Siberian Forest	Tu 3:30
P	Schuur	Edward A.G. Schuur, Michelle C. Mack, James T. Randerson, and Susan E. Trumbore. Does fire stimulate heterotrophic respiration and carbon loss in Alaskan boreal forest?	Tu 3:30
O	Shand	Angus Shand and René I. Alfaro. Disturbance of the boreal forest of British Columbia by the spruce budworm	Mo 10:30
O	Sheingauz	Alexander Sheingauz. Eastern Russia: Do Production Fluctuations Influence on Potential of Transition to Sustainable Forest Management?	Th 3:30
O	Shibistova	Olga Shibistova, Galina Zrazhevskaya, Sergey Verkhovets, Svetlana Evgrafova, Alexey Panov, Artem Ilyin, Daniil Zolotukhin, and Ernst-Detlef Schulze. Forest floor mass and soil respiration rates during reforestation after clear-cutting for a Central Siberian <i>Pinus sylvestris</i> stands	Tu 3:30
O	Shvidenko	Anatoly Shvidenko, Sten Nilsson, Ian McCallum. Climate-disturbance interactions in boreal forests of Northern Eurasia.	Th 10:30
P	Slaney	Michelle Slaney, Jane Medhurst, Sune Linder, Göran Wallin. Spring Phenology of Norway spruce at ambient and elevated [CO <sub>2</sub> ] and temperature.	Tu 8:30
P	Smart	Douglas D. Smart, Thomas F. Paragi, Gordon T. Worum, and Dale A. Haggstrom. Preliminary evaluation of vegetation change on a large prescribed burn in Alaska.	We 10:30
P	Soja	Amber J. Soja, Paul W. Stackhouse Jr., Herman H. Shugart, Anatoly I. Sukhinin, and Susan G. Conard. Estimates of total direct carbon emissions	Th 8:30

		from Siberia for 1998 through 2002	
P	Sokolov	Vladimir Sokolov. Disturbance and Climate Change as Major Drivers of Dynamics of Siberian Forests	Th 3:30
P	Solberg	Svein Solberg, Dan Aamlid, Ole Einar Tveito. Norway spruce needle-fall and the effect of warm and dry weather.	Tu 8:30
K	Stinson	Graham Stinson, Werner A. Kurz, Sally Tinis, Dennis Paradine, and Don Leckie. Spatially-explicit Carbon Budget Analysis of a Managed Boreal Forest Landscape	We 10:30
P	Stolbovoy	Vladimir Stolbovoy. Soils for ? ircumpolar Analysis	Th 8:30
O	Straussfogel	Straussfogel D. A Proposed Integrative Framework for Considering Regional Livelihoods in Boreal Forest Ecosystems	Th 3:30
P	Sukhinin	Anatoly I. Sukhinin. Aerospace monitoring of wildfires in Central Siberia	Mo 10:30
O	Sukhinin	Anatoly I. Sukhinin, Susan G. Conard, Douglas J. McRae, Viacheslav A. Bychkov and Olga A. Slinkina. Remote sensing of fire intensity and burn severity in <i>Pinus sylvestris</i> forests of Central Siberia	We 8:30
P	Sutinen	Raimo Sutinen, Mari Hagberg, Eija Hyvönen, Vesa Juntunen, Markku Päänttjä, Ari Teirilä, and Marja-Liisa Sutinen. Soil-driven constraints of tree species in Finnish-Lapland	Mo 3:30
P	Suvorova	G.G. Suvorova. Photosynthetic productivity of three coniferous species in Baikal Siberia	Tu 8:30
O	Tchebakova	Tchebakova N., Parfenova E., and Rehfeldt G. Impacts of climate change on the distribution of species ( <i>Larix spp.</i> and <i>Pinus sylvestris</i> ) and their climatypes in central Siberia	Mo 3:30
P	Tikhonova	I.V. Tikhonova. Individual related with sex variability of tree sensitivity to climate in pine populations in the South of Middle Siberia	Th 1:30
O	Trainor	Sarah F. Trainor, Paul Baer, F.S. Chapin III, Henry Huntington, David Natcher, Rosamond Naylor, Erika Zavaleta. Human Factors in the Alaskan Fire Regime: Comparing Economic, Subsistence and Ecological Values of Fire	Th 3:30
P	Turetsky	M.R. Turetsky, R. K. Wieder, D. H. Vitt, J. Harden, K. L. Manies, B. Amiro, J. Bhatti. Disturbance and C sequestration in boreal peatlands	Tu 3:30
P	Valentine	David Valentine and Tim Quintal. Fire decreases soil heterotrophic respiration in two contrasting black spruce stands	We 8:30
P	Verbyla	David L. Verbyla. Assessment of the MODIS Leaf Area Index Product in Alaska	Tu 10:30
P	Viereck	L.A. Viereck, N.R. Werdin, K. Yoshikawa, and P. C. Adams. Effect of wildfire and fireline construction on the annual depth of thaw in a black spruce-permafrost forest in interior Alaska: a 33-year record	We 8:30
K	Vlassova	Vlassova T.K., Suliandziga P.V. Indigenous people's observations and perceptions of climate and environmental changes in boreal forests	Th 3:30
P	Vogel	Vogel, J.G. and Valentine, D.W. Influence of topography on carbon cycling and allocation in mature black spruce forests in interior Alaska	Tu 10:30
P	Vygodskaya	N. Vygodskaya, J. Kurbatova, A. Varlagin. Effects of spring conditions on net ecosystem CO <sub>2</sub> exchange between atmosphere and unmanaged uneven-age spruce forests in South-European taiga	Tu 8:30
P	Vygodskaya	N. Vygodskaya, F. Tatarinov, J.Kurbatova, D. Kozlov, Y. Bochkarev, M. Pusachenko, A.Varlagin, M. Abrazko and E.-D. Schulze. Effects of extreme soil moisture events on mortality and annual growth of spruce trees in South-European taiga	Tu 1:30
P	Walter	K.M. Walter, D.A. Draluk, S.A. Zimov, F.S. Chapin III. The significance of methane ebullition from North Siberian thermokarst lakes.	Tu 10:30
P	Welp	Lisa R. Welp and James T. Randerson. Boreal Forest Disturbance-Induced Changes in the Oxygen Isotopic Composition of Atmospheric CO <sub>2</sub> at High Northern Latitudes	Th 8:30
O	Werner	Richard (Skeeter) Werner. Effects of Fire on Species Diversity of Bark Beetles and Wood Borers in Boreal Forests	Th 1:30
P	Wickland	Kimberly P. Wickland, Robert G. Striegl, and Jason C. Neff. Soil	Tu 3:30

		respiration and CH <sub>4</sub> fluxes in a black spruce forest and adjacent thermokarst wetlands in interior Alaska	
O	Wieder	R. Kelman Wieder, Kimberli Scott and Katherine Kamminga. Post-fire CO <sub>2</sub> Flux from Alberta Bogs along a Chronosequence of Time-since-fire	Tu 3:30
P	Wiita	Amy L. Wiita, Tricia L. Wurtz. Morel Mushroom Industry Potential in Alaska	Th 1:30
P	Winterberger	Kenneth C. Winterberger and Willem W. S. van Hees. The development of a forest and forest biomass map for Alaska using data mining and a decision tree modeling approach	Th 8:30
O	Wirth	Christian Wirth, Ernst-Detlef Schulze, Natalja Ovchinnikova, Pjotr Ermolenko, Jeremy Lichstein, and Steve Pacala. Understanding post-fire succession and associated carbon dynamics in Siberian dark taiga using data-analysis and model simulation.	Tu 3:30
P	Wurtz	Tricia L. Wurtz, Jeffrey Conn, Michael Shephard and Stephen D. Sparrow. Movement of non-native <i>Melilotus</i> and <i>Vicia</i> species along Alaska's road and river networks	Th 1:30
P	Xiao	Xiangming Xiao, David Hollinger, Qingyuan Zhang, Stephen Boles, John Aber, and Berrien Moore. Quantifying seasonal dynamics and inter-annual variation of gross primary production of boreal forests in 1998 – 2002	Th 8:30
P	Yarie	John Yarie and Bill Parton. Potential changes in the carbon dynamics due to climate changes measured in the past two decades	Tu 10:30
P	Zamolodchikov	Dmitri G. Zamolodchikov, Anatoly A. Utkin. The effects of forest exploitation on carbon pools and fluxes of Russian Forests.	Th 8:30
P	Zhang	Yanli Zhang, Hong Jiang, Michael J. Apps. Estimating the spatial pattern of biomass in boreal forests unified multiple approaches	Th 8:30
P	Zhuang	Q. Zhuang, J.M. Melillo, D.W. Kicklighter, B.S. Felzer, A. Sokolov, R.G. Prinn, A.D. McGuire, P. Steudler, and S. Hu. The relationship of global warming potentials to methane and carbon dioxide exchanges in northern high latitudes estimated with a process-based biogeochemistry model.	Th 10:30
P	Zimmermann	Reiner Zimmermann, Kyle C. McDonald, and Tobias Mette. Seasonal variation and site climatic control of boreal tree transpiration - A comparison of Alaskan and Siberian conifers	Tu 10:30
P	Zimmermann	Reiner Zimmermann and Norbert Etzrodt. Water consumption estimates of pristine forests in Western- and Central Siberian landscape mosaics	Tu 10:30

Type: K = Keynote, O = Oral presentation, P = Poster