

International Symposium on Wildland Fire Research and Management

Vancouver, BC, Canada (online) *August 9-10, 2023 (Vancouver Time)*

Fuzhou, Fujian, China (onsite) *August 10-11, 2023 (Beijing Time)*,

Organizers: Asia Forest Research Centre, The University of British Columbia

College of Forestry, Fujian Agriculture and Forestry University

China National Innovation Alliance of Forest and Grassland Fire Prevention and Control Technology

College of Forestry, Northeast Forestry University



Supported by: National Key Research and Development Program of China Strategic International Cooperation in Science and Technology Innovation Program (2018YFE0207800)

Hosts: Drs. Guangyu Wang, Long Sun, Futao Guo, and Lailan Syaufina

Event Organization:

- **Online via VooV:**

Session 1: 2023/08/10 08:30 - 22:00 (Beijing Time); 2023/08/09 17:30 - 08/10 07:00 (Vancouver Time)

Link: <https://meeting.tencent.com/dm/qzMrq7WcEUTZ>

#VooV Meeting: 435-100-005

Meeting password: 1234

Session 2: 2023/08/11 08:30 - 13:00 (Beijing Time); 2023/08/10 17:30 - 22:00 (Vacouver Time)

Link: <https://meeting.tencent.com/dm/z11wIw5zLAdH>

#VooV Meeting: 658-679-437

Meeting password: 1234

- **In-person in Fujian Agriculture and Forestry University:**

The symposium will be hosted at Fujian Agricultural and Forestry Agriculture University, Fuzhou, China on August 10-11, 2023 (Beijing Time), all the participants are welcome to participate in person. However, the event will be also hosted online through VooV.

PROGRAM SCHEDULE

August 10, 2023 (Beijing Time)

<i>Beijing Time</i>		<i>Local Time</i>
08:30 - 08:40		Welcome and Opening Remarks Dr. Baodong Zheng, Vice President and Professor from Fujian Agriculture and Forestry University Dr. Guangyu Wang, Associate Dean and Professor, University of British Columbia Dr. Long Sun, Dean and Professor, Northeast Forestry University
Keynote Speakers: Chair – Dr. Futao Guo, Associate Dean and Professor, FAFU		
08:40-09:00	18:40-19:00	Keynote Speaker 1: Critical fire weather conditions during active fire spread days in Canada <i>Dr. Xianli Wang, Northern Forestry Centre, Canadian Forest Service, Canada</i>
09:00-09:20	09:00-09:20	Keynote Speaker 2: Peatland Fire Research in Indonesia: Current Status <i>Dr. Lailan Syaufina, Bogor Agricultural University (IPB), Indonesia</i>
09:20-09:40	19:20-19:40	Keynote Speaker 3: Savanna fires and their influence on ecosystem carbon storage: Results from a long-term prescribed fire experiment <i>Dr. Yong Zhou, Utah State University, USA</i>
09:40-10:00	18:40-19:00	Keynote Speaker 4: Attention-Based Wildland Fire Spread Modeling Using Fire-Tracking Satellite Observations <i>Dr. Yufei Zou, Our Kettle Inc. Berkeley CA, USA</i>
10:00-10:20	19:00-19:20	Keynote Speaker 5: Burn Severity in Canada's Mountain National Parks: Patterns, Drivers, and Predictions <i>Ms. Weiwei Wang, Dr. Guangyu Wang, University of British Columbia, Canada</i>
10:20 - 10:30		Break
Keynote Speakers: Chair - Dr. Guangyu Wang, Associate Dean and Professor, UBC		
10:30-10:50	11:30-11:50	Keynote Speaker 6: Effect of biomass burning on premature mortality associated with long-term exposure to PM2.5 in Equatorial Asia <i>Dr. Shuai Yin, National Institute of Environmental Studies, Japan</i>
10:50-11:10	20:50-21:10	Keynote Speaker 7: Interactions among ecosystem, carbon cycle and climate change across scales <i>Dr. Zhihua Liu, China Academy of Sciences</i>
11:10-11:30	11:10-11:30	Keynote Speaker 8: ENSO modulates wildfire activity in China <i>Dr. Keyan Fang, Fujian Normal University</i>
11:30-11:50	11:30-11:50	Keynote Speaker 9: The role of fuel treatments in mitigating wildfire risk <i>Dr. Xiaorui Tian, Chinese Academy of Forestry</i>
11:50-12:10	06:50-07:10	Keynote Speaker 10: Direct and indirect effects of boreal forest fires on greenhouse gas fluxes <i>Dr. Kajar Köster, University of Eastern Finland, Finland</i>
12:10 - 12:20		Session Summary Remarks
12:20 - 14:20		Break
Session I: Chair –Dr. Zhiwei Wu, Professor, Jiangxi Normal University		
14:30 - 14:50		Invited Speaker: Element and stable isotope analysis in tree rings relevant to fire history study <i>Dr. Mengxia Liu, Dr. Futao Guo, Fujian Agriculture and Forestry University, China</i>
14:50 - 15:10		Invited Speaker: Spatio-temporal dynamics of post-fire vegetations and driving forces analysis using time-series MODIS data <i>Dr. Wei Chen, Tianjin University</i>
15:10 - 15:30		Invited Speaker: Investigating the impacts of satellite fire observation accuracy on the top-down nitrogen oxides emission estimation in northeastern Asia <i>Dr. Yuyun Fu, University of Science and Technology of China</i>
15:30 - 15:50		Invited Speaker: Bark flammability is differed and partially decoupled with leaf flammability across species <i>Dr. Caifang Luo, Yunnan University</i>

15:50 - 16:00	Break
16:00 - 16:20	Invited Speaker: Effect of Fire Disturbance on Soil Respiration and Nitrogen Availability in Boreal Forest of China <i>Dr. Tongxin Hu, Northeast Forestry University</i>
16:20 - 16:35	Modelling the dead fuel moisture content in a grassland of Ergun City, China <i>Chang Chang, Chinese Academy of Sciences</i>
16:35 - 16:50	Study on the release, deposition, and migration characteristics of elements in forest fire smoke <i>Ziyan Huang, Fujian Agriculture and Forestry University</i>
16:50 - 17:05	Middle Holocene fire records from the interior of Mu Us Sandy Land, China <i>Cai Xiaomin, Jiangxi Normal University</i>
17:05 - 17:20	Analysis of smoke emissions and influencing factors released by forest fires <i>Yuanfan Ma, Fujian Agriculture and Forestry University</i>
17:20 - 17:35	The synergistic effect between lingonberry and rhizosphere microorganisms determines the direction of natural succession after wildfires in northern China <i>Hu Lou, Northeast Forestry University</i>
	Session Summary Remarks
20:00-22:00	Project Progress Meeting: Convener: Dr.Haiqing Hu National Key Research and Development Program of China Strategic International Cooperation in Science and Technology Innovation Program (2018YFE0207800)

August 11, 2023 (Beijing Time)

Beijing Time Local Time

Session I: Chair –Dr. Tongxin Hu, Associate Professor, Northeast Forestry University	
08:30 - 08:45	Comparison and analysis of surface fire spread prediction models, <i>Yan Guo, Northeast Forestry University</i>
08:45 - 09:00	Continuous aboveground biomass mapping using multi-source remote sensing data <i>Jianuo Li, Northeast Normal University</i>
09:00-09:20	19:00-19:20 Keynote Speaker: Looking closer, seeing farther: multiscale remote sensing, fire modeling and decision support systems for next generation fire and fuel management <i>Dr. Russell Parsons, USFS Rocky Mountain Research Station, USA</i>
09:20 - 09:35	Estimation of fuel load using remote sensing data in Hulunbuir Grassland <i>Wurigula Bao, Northeast Normal University</i>
09:35 - 09:50	Application of ground-based LiDAR to the fuel 3D structure estimation and management in subtropical forest of China <i>Kang Ping, Jiangxi Normal University</i>
09:50 - 10:05	Prescribed burning shifted the driver of biodiversity by reshaping the nutrient limitation <i>Yu Han, Northeast Forestry University</i>
10:05 - 10:15	Break
10:15 - 10:30	Modeling surface fine fuel moisture dynamics in the subtropical forests of China <i>Shihao, Zhu, Jiangxi Normal University</i>
10:30 - 10:45	Modification and Comparison of Methods for Predicting the Moisture Content of Dead Fuel on the Surface of <i>Quercus mongolica</i> and <i>Pinus sylvestris</i> var. <i>mongolica</i> under Rainfall Conditions <i>Yuanting Gao, Northeast Forestry University</i>
10:45 - 11:00	Simulation study on smoldering characteristics and occurrence probability of underground fire in northern forest of China under the influence of humus moisture content <i>Lili Cao, Beihua university</i>
11:00 - 11:15	A comparison of five models in predicting surface dead fine fuel moisture content of typical forests in Northeast China

	<i>Jiale Fan, Northeast Forestry University</i>
11:15 - 11:30	Research on Forest Fire Emergency Communication System based on Beidou RDSS Short Message <i>Can Xu, Northeast Forestry University</i>
11:30 - 11:40	Break
11:40 - 11:55	Current situation and allocation optimization of forest fire emergency resources in Baihe Forestry Bureau, Jilin Province <i>Chenxi Cui, Beihua University</i>
11:55 - 12:10	Design of Forest Fire Water cannon System and Research on Jet Trajectory <i>Dongbo Zhang, Northeast Forestry University</i>
12:10 - 12:25	Research on temperature prediction of underground fire in north forest of China <i>Bo Yu, Beihua University</i>
Event Summary and closing Remarks	

Contact Information: Mr. Haichuan Lin, +86-15388302157; Miss. Pingxin Zhao, +86-13395087670

For faculty members (Professor, Associate Professor, Lecturer, Postdoctoral fellow) please join in our wechat group.



群聊: ISWFRM 福建农林大学会场



该二维码7天内(8月11日前)有效, 重新进入将更新

For students from please join in our wechat group.



群聊: ISWFRM 福建农林大会场(学生)



该二维码7天内(8月11日前)有效, 重新进入将更新

For people who will attend the meeting in Fuzhou, can contact the following hotel for accommodation.

https://map.baidu.com/poi/%E7%A6%8F%E5%B7%9E%E9%A6%96%E5%BC%80%E4%B8%AD%E5%BA%9A%E8%81%9A%E9%BE%99%E7%B2%BE%E9%80%89%E9%85%92%E5%BA%97/@13277158.525,2989842.9,19z?uid=78154e9aafcd53ac4f0257d&ugc_type=3&ugc_ver=1&device_ratio=1&compat=1&pcevaname=pc4.1&querytype=detailConInfo&da_src=shareurl

Room reservation Phone number: +86-13805064774 Mr.Huang

Add: No.50, Jiangbin West Avenue, Gulou District, Fuzhou, Fujian