



One-day Canopy Conference Online

18th October 2021

Hosted by
Xishuangbanna Tropical Botanical Garden
Chinese Academy of Sciences

MORNING SESSIONS (08:30-13:00 Beijing time)

OPENING SESSION: Beijing (China) time 08:30-09:00

For your local time see: <https://time.is/Beijing>

Akihiro Nakamura: Welcome to Xishuangbanna (online)

Yongping Yang (XTBG director): Opening remark

Roger Kitching: The future of canopy science: connections, connections, connections

SESSION ONE: Beijing (China) time 09:00-11:00

Chair: David Ellsworth

Session theme: Forest canopy ecophysiology and nutrient dynamics

Zoom meeting
<https://uws.zoom.us/j/88351994447?pwd=dVJCUCkheDZJMkYxeSs3SVU0VDIxZz09>
Meeting ID: 883 5199 4447
Passcode: canopyXTBG

	Presenter	Affiliation	Title	Country
Talk 1 09:00-09:20	Martijn Slot	Smithsonian Tropical Research Institute (STRI)	TBA	Panama
Talk 2 09:20-09:40	Kelsey Carter	Los Alamos National Laboratory	Tropical Responses to Altered Climate Experiment (TRACE) in a Puerto Rican forest	USA
Talk 3 09:40-10:00	Lan Zhang	Institute of Botany, Chinese Academy of Sciences	Functional balances in forest canopy - from anatomical and physiological aspects	China
Talk 4 10:00-10:20	Alexandria Pivovarovff	Pacific Northwest National Laboratory	How do tropical forest carbon-water relations respond to four years of rainfall exclusion?	USA
Talk 5 10:20-10:40	Meg Lowman	TREE Foundation	Mission Green - a new project to conserve forests using our canopy tool kit	USA
Discussion 10:40-11:00	David Ellsworth	Western Sydney University	Canopy ecophysiology and climate change: is there hope to conserve canopies and not lose them to climate?	Australia

SESSION TWO: Beijing (China) time 11:00-13:00

Chair: Louise Ashton

Session theme: Vertical stratification of forest biodiversity

Zoom meeting
<https://hku.zoom.us/j/94055864188?pwd=KytsRk1sYWo1TytBOXVCSWtVaThXUT09>
 Meeting ID: 940 5586 4188
 Passcode: 045211

	Presenter	Affiliation	Title	Country
Talk 1 11:00-11:15	Shuang Xing	Institute of Entomology, Biology Centre of Czech Academy of Sciences, Ceske Budejovice, Czech Republic	Ant assemblage turnover is greater horizontally than vertically in the world's tallest tropical forest	China
Talk 2 11:15-11:30	Traylor, C. R	University of Georgia, Athens GA	Structure vs. composition: terrestrial LiDAR elucidates canopy influence on insect functional groups in invaded forests	USA
Talk 3 11:30-11:45	Cheng Wenda, Akihiro Nakamura, Bartosz M. Machjer, Louise Ashton	University of Hong Kong	Herbivore-parasitoid food web stability affected by heat tolerance across forest strata	China
Talk 4 11:45-12:00	Nathaniel C. Bantayan, 13 coauthors, and Juan Carlos T. Gonzalez	University of the Philippines Los Baños	Forest Canopy Observation, Positioning and Investigation (Forest CANOPI) Program: Developing Forest Science in the Philippines	Philippines
Talk 5 12:00-12:15	Jocelyn Zarate et al.	University of the Philippines Los Baños	Characterization of bacterial diversity in Mt Makiling Forest Canopy and understorey through culture and non-culture based techniques	Philippines
Talk 6 12:15-12:30	Claire Gely, Susan Laurance, Nigel Stork	James Cook University; Griffith University	How will increased drought affect canopy and ground level insect communities?	Australia
Talk 7 12:30-12:45	José G. Palacios-Vargas	UNAM	How to collect mites and springtails in the tropical rain forest of Mexico.	México
Discussion 12:45-13:00	Louise Ashton	University of Hong Kong		China, Australia

NIGHT SESSIONS (20:00-24:00 Beijing time)

SESSION THREE: Beijing (China) time 20:00-22:00

Chair: Katerina Sam

Session theme: Community structures and trophic networks along canopy gradients

Zoom meeting
<https://cesnet.zoom.us/j/93294785667>
 Meeting ID: None
 Passcode: None

	Presenter	Affiliation	Title	Country
Talk 1 20:00-20:20	Petr Klimes	Biology Centre CAS, Czech Academy of Sciences	What do we know about the effects of environmental gradients on tropical canopy ants? Synthesis from the forest plot-based approach	Czechia
Talk 2 20:20-20:40	Jan Kollross	Biology Centre CAS, Czech Academy of Sciences	The effect of predator exclusion on arthropods and herbivory in Japan	Czechia
Talk 3 20:40-21:00	Yingtong Amanda Wu	University of Missouri - St. Louis	Larger trees of <i>Quercus humboldtii</i> (Andean oaks) in primitive forests suffer less herbivory in western cordilleras in Colombia	USA
Talk 4 21:00-21:20	Pitoon Kongnoo, Akihiro Nakamura, Masatoshi Katabuchi	Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences	Relative importance of environmental and biotic factors shaping community assembly of arboreal ants in rubber plantations and rainforests	China, Thailand, Japan
Talk 5 21:20-21:40	Xaali O'Reilly- Berkeley	Manchester Metropolitan University	Height, forest type, and habitat complexity affect invertebrate community in epiphytic bromeliads	UK
Talk 6 21:40-22:00	Katerina Sam	Biology Centre CAS, Czech Academy of Sciences	Vertical stratification of bird communities of a tropical forest and their ecological importance	Czechia

SESSION FOUR: Beijing (China) time 22:00-24:00

Chair: Aki Nakamura & Martin Gossner

Session theme: Open (any canopy related topics)

Zoom meeting
<https://wsl.zoom.us/j/64485649203?pwd=OUdXQUZod0hPdFhuTDhRdTFITFhFUT09>
 Meeting ID: 644 8564 9203
 Passcode: 753419

	Presenter	Affiliation	Title	Country
Talk 1 22:00-22:15	Michael Eisenring , Unsicker, S. B. and Lindroth, R. L.	University of Wisconsin-Madison; Swiss Federal Research Institute WSL; and Max Planck Institute for Chemical Ecology	Spatial, genetic and biotic factors shape within-crown leaf chemistry and herbivore performance in a foundation tree species	USA, Switzerland, Germany
Talk 2 22:15-22:30	Monica B. Berdugo , Leander Heyer, Nada Nolicic, Karen Suárez, Jörg Bendix, and Maaïke Y. Bader	University of Marburg, Federal University of Pernambuco	High-resolution canopy climate data series	Germany
Talk 3 22:30-22:45	Ed Basham	University of Florida	The vertical stratification of tropical forest vertebrates: A meta-analysis	USA
Talk 4 22:45-23:00	Elodie Le Souchu , Thomas Cochenille, Stéphanie Bankhead, Christophe Bouget and Aurélien Sallé	INRAE, University of Orléans; INRAE, UR EFNO	Oak decline has contrasting effects on trophic guilds of canopy-dwelling Hymenoptera	France
Talk 5 23:00-23:15	Megan Rhianne Quail , Sven P. Batke, Thom Dallimore, and Flavio Ramos	Edge Hill University; and Federal University of Alfenas	Surrounded by concrete – genetic isolation of <i>Tillandsia recurvata</i> in an urban landscape in South-eastern Brazil	UK, Brazil
Talk 6 23:15-23:30	Yung-Hsiang (Sky) Lan	Oregon State University	Disease patterns of Swiss needle cast in young and mature Douglas-fir forests in western Oregon, USA	USA

Talk 7 23:30-23:45	Casandra Carcia		Understanding adaptations to fog and dew use in epiphytic Bromeliaceae	
Discussion 23:45-24:00	Martin Gossner, Akihiro Nakamura, Gbadamassi G. O. Dossa	Swiss Federal Research Institute WSL; Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences	Global scale international collaborations: what are needed?	China, Switzerland

