

AsiaFlux Conference 2021 Program (V3, Dec. 15, 2021)

Day 1: Dec 20, 2021 (TimeZone: Tokyo (JST) GMT+9)

Session 1: Invited Talk/Lecture (Chair: Shuli Niu)			
S1-01	12:30-13:00	Sara Knox (invited)	FLUXNET-CH4 – a global database of eddy covariance methane flux measurements
S1-02	13:00-13:30	Joe Berry (invited)	SiF and GPP

Break

Session 2: Climate Change, IPCC, Political Applications (Chair: Minseok Kang)			
	13:45-13:55	Kazuhito Ichii	Greetings
S2-01	13:55-14:25	Prabir K. Patra (invited)	Global and regional carbon budgets – lessons from IPCC AR6 and MIROC4-ACTM inversions
S2-02	14:25-14:40	Chandra S. Deshmukh	Tropical Peatland Conservation as a Natural Climate Solution Provides Significant Avoided Emissions
S2-03	14:40-14:55	Erik Velasco	Carbon sequestration potential of urban greenery

Break

Session 3: Site Measurements and Applications (Chair: Hiroki Ikawa)			
S3-01	15:05-15:20	Olga Kuricheva	Dry-season precipitation controls interannual variations in evapotranspiration in a monsoon tropical forest in Vietnam
S3-02	15:20-15:35	Arnon Setsungnern	Effect of strong El Nino on net ecosystem CO2 exchange and grain yield from Thai rainfed rice field
S3-03	15:35-15:50	Madan Subedi	Investigating the influence of extreme climatic events on net ecosystem carbon dioxide exchange (NEE) in a commercial oil palm plantation, Indonesia.

Break

Session 4: Regional Network Reports (Chair: Yoshiyuki Takahashi) (Program TBD)			
	16:00-17:00	Zhi Chen	Progresses and future directions of ChinaFLUX
		Minseok Kang	KoFlux
		Montri Sanwangsri	Research and Activity from ThaiFlux Network
		Jehn-Yih Juang	Taiwan Flux
			JapanFlux etc.

Break

Poster Session (Chair: Youngryel Ryu) See Poster List (Time: TBD)			
	17:10-18:30	Poster Session (including Lightning Talk 33 x 1min)	

Day 2: Dec 21, 2021 (TimeZone: Tokyo (JST) GMT+9)

Session 5: Collaboration across network (Chair: Kazuhito Ichii)			
S5-01	12:30-13:00	Trevor Keenan (invited)	The FLUXNET Coordination Project: A new initiative to support global network-enabled science
S5-02	13:00-13:30	Jamie Cleverly (invited)	20 Years of OzFlux: Lessons learned and future OzFlux-AsiaFlux collaborations
S5-03	13:30-13:45	Yuhei Yamamoto	Application of AsiaFlux and OzFlux Network Data to the Validation of Himawari-8/AHI Land Surface Temperature Data
S5-04	13:45-14:00	Akihiko Ito	Global trends in land atmosphere CO ₂ exchange fluxes: an analysis of a flux measurement dataset and comparison with terrestrial model

Break

Session 6: New measurements and process understandings (Chair: Yuji Kominami)			
S6-01	14:15-14:45	Daniel Epron (invited)	Emissions of methane from tree stems in forests: where does methane come from and where does it go?
S6-02	14:45-15:00	Heping Liu	Non-Closure of Surface Energy Balance Linked to Asymmetric Turbulent Transport of Scalars by Large Eddies
S6-03	15:00-15:15	Christian Stiegler	Wind regimes above and below a dense oil palm canopy: Detection of decoupling and its implications on CO ₂ flux estimates
S6-04	15:15-15:30	Xudong Zhu	How land-sea interaction of tidal and sea breeze activity affect mangrove net ecosystem exchange?
S6-05	15:30-15:45	Jiangong Liu	Widespread thermal acclimation of canopy photosynthesis

Break

Session 7: Modeling and Remote Sensing (Chair: Jehn-Yih Juang)			
S7-01	16:00-16:15	Shaoqiang Wang	Response of crop photosynthesis to water stress in North China Plain based on vegetation chlorophyll fluorescence
S7-02	16:15-16:30	Weikang Zhang	GPPmax dominates the interannual variation of annual GPP in the north hemisphere
S7-03	16:30-16:45	Lang Han	Geographic patterns in the phenology and physiological properties of carbon fluxes and their correlations over the Northern Hemisphere
S7-04	16:45-17:00	Li Zhang	Using model-data fusion to estimate the carbon uptake of terrestrial ecosystems in China
S7-05	17:00-17:15	Desra Arriyadi	Estimating historical and future of water table depth and net ecosystem exchange in Katingan-Mentaya peat hydrological unit
	Closing	Shuli Niu/Minseok Kang	