

# SILVA/IUFRO Division 3 PhD conference June 17<sup>th</sup>– 20<sup>th</sup>

PO Bäckströms auditorium (5th floor), Skogsmarksgränd 17, 907 36 Umeå

## Time schedule for June 17, 2024

08:30 – 09:00: Registration

09:00 – 09:15: Opening of the SILVA/IUFRO Division 3 PhD conference. Welcoming words by Prof. **Ola Lindroos** (IUFRO Division 3 officeholder) and Associate professor **Dimitris Athanassiadis** (Coordinator of SILVA)

09:15 – 09:30: **Göran Ericsson**, Dean of the Forest Faculty will present the Faculty of Forest Sciences

09:30 – 09:50: Keynote speech: **Francisco X. Aguilar**, Professor at the Department of Forest Economics

09:50 – 10:00: TECHNICAL BREAK (short coffee break)

10:00 – 10:20: **Anamika Menon**, *Department of Urban and Rural Development; Division of Rural Development, SLU*: Exploring Human Wellbeing Indicators from Community Forest Management in Nepal

10:20 – 10:40: **Eva Papek**, *Institute of Forest Entomology, Forest Pathology and Forest Protection, BOKU*: Temperature-dependent development and host tree choice of the pine bark beetle *Ips acuminatus*

10:40– 11:00: **Elisabeth Ritzer**, *Institute of Forest Entomology, Forest Pathology and Forest Protection, BOKU*: The pine pathogen *Diplodia sapinea* is associated with the death of large Douglas fir trees

11:00 – 11:20: **Anders Rowell**, *Department of Forest Biomaterials and Technology, SLU and Skogforsk*: Harvesting operations in the management of even- and uneven aged Swedish forests

11:20 – 11:40: **Ahmed Hasoba**, *Department of Forest and Environmental Science, University of Gezira*: Trees Diversity and Distribution Patterns in Sudan's Savanna Woodlands

11:40 – 12:00: **Getachew G Tiruneh**, *Department of Soil and Environment, SLU*: Effect of intensive land use change to short term rotation forestry on nutrient balance

LUNCH

13:30 – 13:50: **Zhongqian Cheng**, *Department of Ecology, College of Urban and Environmental Sciences, Peking University*: Patterns of forest structure and productivity and their influencing factors in Shangri-La, Yunnan

13:50 – 14:10: **Viktorija Vendina**, *SILVA*: Restoration of a sand mining site in Northern Latvia

14:10 – 14:30: **Trinh Huynh**, *Forest Industries Research Centre, University of the Sunshine Coast*: Variation in growth and carbon sequestration of mixed hardwood species in subtropical Australia

COFFEE BREAK

15:00 – 15:20 **Sezer Olivia Kaya**, *Southern Swedish Forest Research Centre, SLU*: Early Detection of Bronze Birch Borer (*Agrilus anxius*) Using Molecular Tool LAMP

15:20 – 15:40: **Susmita Khan**, *Wildlife Institute of India*: Predicting the Distribution of Important Insect Pollinators in a Western Himalayan Landscape under Future Climate Scenarios

15:40 – 16:00: **Tama Ray**, *Chair of Biodiversity and Nature Conservation, Technical University of Dresden*: Tree diversity increases productivity through enhancing structural complexity across mycorrhizal types

16:00 - 16:20: *Tao Jiang, Chair of Forest Monitoring and Remote sensing, Georg-August-University Göttingen: An End-to-end Large-scale Tree Detection Approach on High Resolution Imagery Using Detection Transformer*

16:30 – 17:00 Information on the excursions

## Time schedule for June 20, 2024

09:00 – 09:20: *Abdul Wahab Zulfa, Faculty of Forestry and Environment, Universiti Putra Malaysia: Estimation of aboveground mangrove biomass and potential biomass sequestration in the context of LULUCF*

09:20– 09:40: *Karlis Bickovskis, SILAVA: Carbon Dynamics in Peatland Forests – ditch or no ditch?*

09:40– 10:10: *Leanda Garvie, School of Business and Creative Industries, University of the Sunshine Coast: Forest residues for renewable carbon in the Australian bioeconomy*

SHORT BREAK

10:30 – 10:50: *Muluken Nega Bazezew, Chair of Forest Monitoring and Remote sensing, Georg-August-University Göttingen: Modeling the horizontal distribution of tree crown biomass from TLS*

10:50– 11:10: *Paulina Carrasco Ramírez, Estudios Regionales, Autonomous University of Chiapas: Institutional Arrangements and Sustainability Outcomes of Forest Management in Southern Mexico*

11:10 – 11:30 *Sanghyun Kim, Forest Ecology Department, University of Quebec: The need for diversified forest management to prevent structural simplification in Canada's boreal forests*

11:30– 11:50: *Austra Zuševica, SILAVA: Wood-ash application on cutaway peatland accelerates vegetation succession and increases plant biomass accumulation*

11:50 – 12:10: *Bohdan Kolisnyk, Department of Silviculture, Warsaw University of Life Sciences: Enhancing forest stability through silvicultural interventions: tree size diversification and species mixtures as adaptation strategies to drought stress*

LUNCH

13:30 – 13:50: *Borja García Pascual, LUKE: Assisted thinning operations using Artificial Intelligence and Augmented Reality*

13:50 – 14:10: *Christian Höök, Department of Forest Biomaterials and Technology, SLU: Autoannotation of forest operations images*

14:10 – 14:30: *Akalu Assfaw Wolde, Department of Economics and Statistics, University of Turin: Forest Tenure, Property Rights, and Income in a Diverse Tenure Settings. Empirical Evidence from Ethiopia*

14:30 – 14:50: *Jaime Luna, Southern Swedish Forest Research Centre, SLU: Biodiversity implications of fast-growing broadleaved trees in Sweden: how do these tree species contribute to the lichen flora.*

14:50 – 15:10: *Alfred Deutgen, Southern Swedish Forest Research Centre, SLU and Skogforsk: High-Density Birch Shelterwoods: A Comparative Analysis of Growth, Yield, and Economic Viability in planted Norway Spruce forests*

COFFEE BREAK: Evaluation and planning ahead