

FORMEC 2026

Tuesday 15 September 2026

Paralel session 1: Digital Log: Roundwood digitalisation - DP 107 - DP107 (11:30 - 13:00)

time	[id] title	presenter
11:30	[189] Evaluation of Deep Learning Models for Image-Based Classification of Forest Log Assortments by Market Value	TRIPLAT, Matevž
11:48	[94] Attaining the right bark thickness of pine for the calculation of timber volume using harvester software	Ms KOWALSKA, Jennifer
12:06	[141] Seeing the Log in 3D: Automated Volume Estimation of High-Quality Roundwood Using Instance Segmentation	DE MIGUEL DIEZ, Felipe
12:24	[161] Deep learning-based detection of sapwood discolouration in Norway spruce roundwood cross-sections for automated quality assessment in wood supply	BÖHM, Stephan
12:42	[15] Intelligent Image-Based Detection of Wood Features for Improved Material Sorting in Forest-Based Value Chains	Mr GEJDOŠ, Miloš GERGEL, Tomáš

Paralel session 1: Ground Truth: Soil Trafficability, Rutting, and Disturbance - L 201 - L201 (11:30 - 13:00)

time	[id] title	presenter
11:30	[131] Comparison of soil compaction and rutting in forwarding and skidding: effect of driving in a curve	MARRA, Elena
11:48	[10] Assessing Soil Trafficability Mapping as a Decision-Support Tool for Minimising Harvesting Impacts in New Zealand Forests	LATTERINI, Francesco
12:06	[103] Predicting forwarder trafficability and rut formation from wheel slip of the preceding harvester	Dr BREINIG, Lorenz
12:24	[101] Extensive soil disturbance and pronounced biological degradation following mechanized salvage logging after windthrow	Dr SCHÖNAUER, Marian
12:42	[130] Ground-pressure distribution under a driving forwarder with different tire configurations	BREINIG, Lorenz

Paralel session 1: Making Operations Work: Productivity, Quality, and Planning - DP 201 - DP201 (11:30 - 13:00)

time	[id] title	presenter
11:30	[133] Forwarder productivity and fuel consumption in clear cutting, patch cutting and shelterwood establishment	ROWELL, Anders
11:48	[24] Assessing the effects of the operation planning with precision forestry on the harvesting performances: a case study of CTL logging system in coppice forest	Prof. PICCHIO, Rodolfo Prof. VENANZI, Rachele
12:06	[134] Effects of combined-boom-corridor thinning on harvester's operational efficiency and working technique in unmanaged two storied birch dominated stands	Dr BERGSTRÖM, Dan

12:24	[12] Thinning Mediterranean pine forests with innovative and traditional light equipment: comparison of work productivity and damages to the remaining trees	ALCOVERRO POCH, Gerard
12:42	[202] Comparative study on productivity of pull-through delimber and processor in harvesting operations in South Germany	Prof. ENGLER, Benjamin

Paralel session 1: Planning Better: Spatial Models and Sustainability Assessment - L 301 - L301 (11:30 - 13:00)

time	[id] title	presenter
11:30	[152] A Spatial MAUT-Based Assessment of Harvesting System Suitability in Slovakia	POLEČOVÁ, Martina KÜHMAIER, Martin
11:48	[165] Integration of forest operations in economic assessments of long-term forest growth trajectories	BONT, Leo
12:06	[22] Stakeholder-Driven Decision Support for Forest Harvesting Systems Using GIS and Remote Sensing	LATTERINI, Francesco
12:24	[132] Mountain spruce forests under disturbance risk: decision support for the spatial prioritization of silvicultural interventions – considering costs and benefits	Dr BLATTERT, Clemens
12:42	[145] Precision Modeling of Cut-to-Length Logging Operations for Comparing Thinning Approaches in Finland	PALANDER, Teijo

Paralel session 1: Seeing the Tree and the Forest in High Resolution: Using LiDAR and Point-Cloud Data in Forest Operations - DP 106 - DP106 (11:30 - 13:00)

time	[id] title	presenter
11:30	[9] Identification methods of strip road trees from hpr data and spatial arrangement of the trees	TARVAINEN, Riku
11:48	[126] Seasonal Performance of Stand-Level Basal Area Estimation: A Comparative Study of a Smartphone LiDAR Application and Professional Personal Laser Scanning	Ms MOROCHO TOAZA, Jenny Magaly
12:06	[33] Quantifying boreal forest structure before and after thinning operations using harvester-mounted, drone-based and handheld mobile laser scanning systems	Mr KAFLE, Binod
12:24	[60] Extraction of Tree Diameter at Breast Height and Height from SLAM LiDAR Data Using an Open-Source Workflow: A Case Study in Eucalyptus Plantations.	YINGDEE, Jirawat
12:42	[38] Integration of Mobile Laser Scanning and Biometric Modelling in Single-Tree Volume Prediction	ZHOU, Xin