

FORMEC 2026

Thursday 17 September 2026

Parallel session 6: Choosing the Right System: Decision Support, Salvage, and Machine Capability - DP 106 - DP106 **(13:30 - 15:00)**

time	[id] title	presenter
13:30	[89] Evaluation of harvester positioning capabilities and practical use of positioning information	EDIN, Emil
13:48	[58] An Operational Analysis of Salvage Logging using Cut-to-Length Harvesting in the Southeastern United States Following Hurricane Helene	BOLDING, Chad
14:06	[104] A Systems Dynamics Framework for Analysing Forest-to-Value Chains: A Conceptual Approach with Application to Harvesting and Transport Operations	ACUNA, Mauricio
14:24	[49] A Multi-Criteria Decision Support System for Sustainable Timber Harvesting System Selection	GRÜNBERG, Julian
14:42	[28] Comparative Evaluation of Smartphone-Based LiDAR Applications for Tree Diameter Measurement: ForestScanner vs. Arboreal	GENCAL, Burhan

Parallel session 6: Human Factors in Forest Operations: Safety, Ergonomics, and Workload - DP 201 - DP201 **(13:30 - 15:00)**

time	[id] title	presenter
13:30	[112] Task- and Load-Dependent Effects of Passive Exoskeletons in Simulated Manual Handling: A Laboratory Study Using 3D Kinematics and Ergonomic Risk Evaluation	ROHRICH, Martin
13:48	[80] EXPERT-BASED ERGONOMIC RISK ASSESMENT IN MECHANIZED FORESTRY TRANSPORT OPERATIONS	Prof. ACAR, Hafiz Hulusi
14:06	[67] When Culture Meets Hazard: Habitus, Stress and Coping in the Logging Workforce of Aotearoa NZ	BEST, Trevor
14:24	[129] Physiological Workload and Noise Exposure During Semi Mechanized Forest Road Maintenance	POJE, Anton
14:42	[81] ERGONOMIC LAYOUT OPTIMIZATION OF MACHINERY USED IN FOREST PRODUCTS INDUSTRY: AN EXPERT-BASED MULTI-CRITERIA DECISION-MAKING APPROACH	BARIŞIK, Tolga ACAR, Hafiz Hulusi

Parallel session 6: Operator Capability, Digital Adoption and Future Support Systems - L 201 - L201 **(13:30 - 15:00)**

time	[id] title	presenter
13:30	[53] Branch-aware tree stem optimal bucking using splines and graph-based segmentation	Mr GARCÍA-PASCUAL, Borja
13:48	[82] Small-scale forest owners' perceptions and use of digital decision support: attitudes, needs and barriers	KRONHOLM, Thomas
14:06	[169] DEVELOPING THE FUTURE ASSISTANT SYSTEMS FOR HARVESTER OPERATORS	KINNUNEN, Valtteri

14:24	[137] Presentation of a meta-analysis of the current state of lifting force measurement in tree felling with chainsaws	FRANZ, Mark-Fabian
14:42	[196] Enabling Resilient Forest Value Chains through Physical-Digital Continuity: Integrating StanForD, Single Tree Marking, and EBSI Blockchain	Mr STOPFER, Lukas

Paralel session 6: Restoration, Restrictions, and Adaptation in Managed Forests - DP 107 - DP107 (13:30 - 15:00)

time	[id] title	presenter
13:30	[87] Improvements to a Medium-Sized Drum-Type Chipper for Adaptation to Gasification CHP	IWAOKA, Masahiro
13:48	[118] Impact of Additional Restrictions on Nesting Time of Birds on Wood Procurement in Finland	VÄÄTÄINEN, Kari
14:06	[40] Planting spot quality and regeneration success with a less intensive drill-based soil preparation method: A feasibility study	KEMPPAINEN, Kalle
14:24	[144] Advanced Supply Chain Engineering to Support Fuel Treatment and Forest Restoration	Dr WANG, Jingxin
14:42	[98] Enhancing the reliability of logging residue forecasts through operator insights and cross-sector collaboration	SILVERBRATT, Madeleine

Paralel session 6: Road Access, Entrepreneurship, and Entry Barriers - L 301 - L301 (13:30 - 15:00)

time	[id] title	presenter
13:30	[128] Predicting gravel road bearing capacity based on weather data and calibration visits	ANTTILA, Perttu
13:50	[84] Timber Harvesting Challenges on Small Family Forests in Northern Minnesota, USA	BLINN, Charlie
14:10	[123] Developing digital solutions for efficient forest road maintenance between multiple owners	BRÅTHEN, Martin
14:30	[151] Examining the Barriers to Entry for Third-Party Logging Truck Drivers in the Southern United States	DANIEL, Marissa Jo