



John Sessions, PhD, PE
University Distinguished Professor Emeritus
Oregon State University

john.sessions@oregonstate.edu

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DEGREES

PhD, Forest Management, Oregon State University, 1979
MS, Forest Engineering, University of Washington, 1971
MS, Civil Engineering, California State University, 1968
BS, Civil Engineering, University of California, 1966

TEACHING EXPERIENCE

Oregon State University, 1983-2023, resource scheduling, transportation planning, harvest planning, logging mechanics, road system management, forest economics, international forestry, combinatorial optimization

Oregon State University, Forest Engineering Institute, 1975-1978, transportation planning, engineering economics, logging mechanics

RESEARCH EXPERIENCE

Oregon State University, 1983-present
Pacific Northwest Forest and Range Experiment Station, forest engineering, 1970-1971

INDUSTRIAL EXPERIENCE

- Harvesting Division Manager, JARI Florestal, Brazil 1981-1983
- Systems Analyst, JARI Florestal, Brazil 1980

GOVERNMENT EXPERIENCE

- Staff Economist, Division of Timber Management, Wash. D.C., USDA Forest Service, 1979-1980
- Harvesting Specialist and Director of Logging System Training, USDA Forest Service, 1974-1978
- Director of Transportation Planning, Rocky Mountain Region, USDA Forest Service, 1973

INTERNATIONAL CONSULTANT

- *South and Central America*: Colombia, 2013, 2005, 1995; Argentina, 2006, 2005, 1998, 1996; Brazil, 2026, 1996, 1989, 1980-83; Chile, 2014-15, 1995, 1994, 1992, 1990; Costa Rica, 1984; Jamaica, 1972-73
- *Africa*: South Africa, 2003, 2002, 1998, 1993, 1991; Zimbabwe, 1986; Zaire, 1987
- *Europe*: Rome, Italy (FAO), 1985.
- *Asia*: Russia (Far East), 1996; Malaysia, 2009, 1996, 1995; Bhutan, 1973; Indonesia, 2015
- *North America*: British Columbia, 2004, Labrador, 1975, Newfoundland, 1975
- *Australasia*: New Zealand, 1986, Australia 2007

FIELD OF SPECIALIZATION

Transportation Planning, Harvest Scheduling, Forest Economics, Forest Operations

PROFESSIONAL SOCIETIES

- Society of American Foresters
- Forest Products Research Society
- Council on Forest Engineering (Chair WR-COFE 2021)
- Sigma Xi
- Xi Sigma Pi (Faculty Advisor 2020-2023)
- Phi Kappa Phi (University Chapter President 1992-1993, Board 1992-2012)

REGISTERED PROFESSIONAL ENGINEER

- Registered Civil Engineer, Washington, No. 12063 (1970-present)
- Registered Civil Engineer, Colorado, No. 10831 (inactive)

AWARDS

- 2026. John Sessions Legacy Scholarship to be established at Oregon State University, managed by the Oregon State University Foundation, and funded through the generosity of Richard Strachan.

- 2024. Scientific Achievement Award, International Union of Forest Research Organizations (26th IUFRO Congress, Stockholm, Sweden) – Awarded in Forest Operations once each 5 years.
- 2019. Elected Fellow, Society of American Foresters (SAF)
- 2016. Reappointed Richard Strachan Endowed Chair of Forest Operations Management
- 2015. International Forest Engineering Achievement Award, Council on Forest Engr.
- 2015. Earle Wilcox National Forester of the Year, Intertribal Timber Council.
- 2013. National Award in Forest Science, Society of American Foresters.
- 2013-present. Appointed Chair for State of Oregon Forest Engineering Licensing Examination by Oregon State Board of Engineers and Surveyors.
- 2010. High Climber Award, Road Maintenance Modeling, Douglas Timber Operators.
- 2010. Oregon State University nominee to the U.S. Professor of the Year competition, Carnegie Foundation for the Advancement of Teaching.
- 2008. Appointed 1st Richard Strachan Endowed Chair of Forest Operations Management
- 2006. Recognition for Outstanding Service, Oregon Department of Forestry
- 2005, 1994, 1993, 1989, 1986. Aufderheide Award for Outstanding Teaching, Oregon State University, College of Forestry
- 2001. Appointed 1st Faye and Lucille Stewart Endowed Professor of Forest Engineering
- 2001. College of Forestry Dean's Award, Outstanding Service, 10-Year Strategic Plan
- 1999. Appointed University Distinguished Professor of Forestry, Oregon State University (24th title of University Distinguished Professor by Oregon State University)
- 1996-2000. Appointed Marcus Wallenberg Prize International Selection Committee
- 1995. Top Prof Teaching Recognition Award, Oregon State University
- 1991. First Annual Dean's Award for Outstanding Achievement, College of Forestry
- 1980. Superior Service Award for Analysis of Alternative National Timber Harvest Programs, USDA Forest Service

EDITORIAL BOARDS

- 2021. Editor, Special Issue of COFE-FORMEC, Int. J. of Forest Engr.
- 2020-2023. Co-Guest Editor for Special Issue of Operations Research and Optimization Techniques in Forest Management and Operations, Journal of Forests
- 2017-2023. Associate Editor for Operations Research, Canadian J. of Forest Research
- 2017-2018. Guest Editor for Special Issue of Biomass Production and Transport, Journal of Forests.
- 2008-2011. Editorial Board, International Journal of Forestry Research
- 1996. Associate Editor for Forest Engineering, Forest Science
- 1994-present. Forest Science (Silva Fennica) Editorial Board, Finland
- 1985-1996. Associate Editor, Western Journal of Applied Forestry, Society of American Foresters

CONGRESSIONAL AND STATE COMMITTEES

- 2020-23. Co-Chair, National Indian Forest Management Assessment Team (IFMAT IV)

- 2020-23. Member, Washington DNR Technical Committee for Sustainable Harvest Calculation
- 2011-13. Co-Chair, National Indian Forest Management Assessment Team (IFMAT III)
- 2006-09. Member, Interagency Science Team - National Fire Program Analysis Review
- 2004. Invited Testimony, Subcommittee on Forests and Forest Health hearing on Restoration after Catastrophic Events, Washington, DC.
- 2003. Member, National Panel Convened by Department of Interior to Review Monitoring Guidance for the Healthy Forest Initiative (HFI) Categorical Exclusions under NEPA
- 2001-03. Member, Washington DNR Technical Committee for Sustainable Harvest Calculation
- 2001-03. Co-Chair, National Indian Forest Management Assessment Team (IFMAT II)
- 2000. Member, Advisory Team, 2000/2001 Forestry Program Funding and Position Analysis. Bureau of Indian Affairs, US Dept. of Interior.
- 1993-1995. Member, Sierra Nevada Ecosystem Science Team
- 1991-1993. Vice-Chair, National Indian Forest Management Assessment Team (IFMAT)

OTHER SCIENCE AND TECHNICAL COMMITTEES

- 2023-present. Advisor to Joint Legislative Audit and Review Committee, State of Washington,
- 2022 Western States Railroad Forest Products Logistics Working Group
- 2022-2023. Western Regional Council on Forest Engineering Program Committee
- 2021-present. Forest Biohubs Working Group
- 2020-22 Chair, COFE-FORMEC Scientific Committee.
- 2020-present. Member, Technical Advisory Committee for the Washington DNR Sustainable Harvest Calculation.
- 2018-2023. Elliott State Forest Exploratory Committee, College of Forestry.
- 2018. Technical Reviewer for USDA NIFA Biomass Logistics Research Panel.
- 2011-16. Leadership Team, Northwest Advanced Renewables Alliance (NARA)
- 2007-2023. Member, BLM Road Committee Working Group
- 2000. Member, Strategic Planning Team, College of Forestry. Oregon State University
- 1998. Technical Advisor, Integrated Assessment of Willamette Watershed Alternative Futures, University of Oregon
- 1998, 1999. Technical Reviewer for USDA Small Business Innovation Research (SBIR).
- 1999-2006. Invited participant in ODF Forest Planning Process.
- 1995-1996. Chair, State Scientific Panel to Evaluate O&C Lands Transfer
- 1996-1999. Technical Reviewer, Consortium of Plant Biotechnology Research (CPBR)
- 1995-1999. Member, Umpqua River Basin Exchange Pilot Project
- 1994-95. Member, Coquille Forest Scientific Advisory Team
- 1994-1998. Member, Coastal Landscape Analysis and Modeling Study (CLAMS) Team
- 1994-1996. Member, IFMAT Implementation Team
- 1994-1996. Member, Boise Cascade Science Advisory Team
- 1996-1999. External Assessor, Faculty of Forestry, University of Agriculture, Malaysia

- 1993-1994. Member, Washington State Landscape Management Project
- 1992-present. Logging Engineering Examiner for State of Oregon
- 1991. Member, Forest Engineering Program Review Team, Univ. of British Columbia

PROFESSIONAL LEADERSHIP

- 2021. Chair, Western Regional Council on Forest Engineering.
- 2013-present. Chair, State of Oregon Professional Examination Team for Forest Engineering.
- 2011-2023. Chair, Graduate Program for Sustainable Forest Management, Oregon State University.
- 2005-2008. Board, Oregon State University Chapter of Engineers without Borders. One of three founding faculty advisors. Beth McNair, FE/CE, first student president.
- 1992-2012 Board, Phi Kappa Phi, University Chapter President 1992-1993
- 1990-1995. Chairman, Forest Operations in Mountainous Terrain S3.06, International Union of Forestry Research Organizations (IUFRO)
- 1988-1990, 1996-2006. Deputy, Forest Operations in Mountainous Terrain S3.06 International Union of Forestry Research Organizations (IUFRO)
- 1986-1988. Chair, Mountain Logging Working Group S3.06-02 International Union of Forestry Research Organizations (IUFRO)
- 1985-1988. Secretary, Systems Analysis Working Group, Society of American Foresters, Certificate of Merit, Most Improved Working Group (1986)

INVITED PRESENTATIONS

- 2026. Invited Panelist, Simulation in Forest Engineering: Planning the Next Generation of Forest Operations and Logistics for the Challenges of the XXI Century. May 14, 2026.
- 2025. Invited Speaker, Cascadia Wildfire Webinar. Biochar as a byproduct and potential feasibility driver of fire-focused forest management: an Oregon case study. Jan 15, 2025.
- 2025. Invited Participant, Pacific Logging Conference. New developments on synthetic ropes in logging. La Quinta, CA. November 5, 2025.
- 2024. Invited Speaker, Wildfire Mitigation and Response. Helena, MT. October 1, 2024.
- 2024. Invited Speaker, Vibrant Planet, IFMAT findings on forest health. May 7, 2024.
- 2023. Invited Speaker, National Academies. Biomass and Biochar Logistics. Wildfire Risk Reduction, Carbon Dioxide Removal, and Biochar. The Challenges of Scaling Up. October 4, 2023.
- 2022. Invited Speaker, Optimizing transportation networks for biomass utilization, National Biomass Workshop, USDA Forest Service sponsor, May 22, 2022.
- 2021. Invited Speaker, Pacific Logging Congress, November 9, 2021. Future of Battery Electric Log Trucks in the Mountainous Pacific Northwest.
- 2021. Invited Speaker, Coos Chapter, Society of American Foresters, May 22, 2021. Future of Battery Electric Log Trucks in the Mountainous Pacific Northwest.
- 2021. Invited Speaker Western Regional Council on Forest Engineering, Future of Battery Electric Log Trucks in the Mountainous Pacific Northwest. Eugene, OR

- 2020. Invited Speaker University of O. regon Public Interest Environmental Law Conference, Tribal Forest Management, University of Oregon, Eugene, OR
- 2020. Invited Speaker Emerald Valley SAF Chapter, Tethered Logging, Eugene, OR
- 2018. Invited Speaker EXPO 2018 Brazilian Forestry Fair, Sao Paulo, BR
- 2016, Invited Speaker, Protecting the Logging Workforce: Development of Innovative Logging Techniques for a Safer Working Environment. San Diego, CA
- 2016. Invited Keynote Speaker, Sustainable Supply Chains for the Timber Economy of the Future Conference, Austimber2016, Victoria, Australia
- 2015. Invited Speaker, Pacific Logging Congress, World Overview of Log Truck Scheduling and Opportunities for the Pacific Northwest, Hawaii
- 2015. Invited Speaker for Associated Oregon Loggers, Optimizing Pole Recovery, Eugene, OR
- 2014. Top Ten Contributing Scholars in Combinatorial Optimization of Bioenergy Supply Chain Problems in Metaheuristic Algorithms Applied to Bioenergy Supply Chain Problems, *Energies* 2014(7):7640-7672.
- 2014. Invited Reader for the Wallenberg International Forestry Prize
- 2013. Invited Speaker for Olympic Logging Conference, Bioenergy, Victoria, BC
- 2013. Invited Speaker for Oregon Logging Conference, Jet Fuel from Woody Biomass, Eugene, OR.
- 2010. Invited Speaker, Pre- and Post-Wildfire Forest Management for Ecological Restoration and Fire Resiliency, Sacramento
- 2009, 2008, 2007. Invited Speaker, Public Land Wildfire Policy, Ecological Policy, OSU F&W
- 2009. Invited Speaker, Annual Meeting of National Forest Counties, Reno
- 2008. Invited Speaker, O&C Counties Annual Meeting
- 2006. Invited Professor, Northeast Forestry University, Harbin, China
- 2006. Invited Keynote Speaker, 29th Annual Meeting of Council on Forest Engineering
- 2006. Invited Keynote Speaker, 9th Annual Meeting of National Forest Coalition of Counties and Schools, Reno
- 2006. Invited Participant, BLM Western Oregon Plan Revision Process
- 2005. Invited Speaker, National Meeting, Association of Consulting Foresters
- 2004, 2001, 1993, 1990. Dean's Award for Outstanding Achievement
- 2004. Keynote Speaker, O&C Counties Annual Meeting
- 2004. Invited Participant, Klamath Country Institute for Journalism and Natural Resources
- 2004. Invited Speaker, Oregon Society of Certified Public Accountants, Eugene
- 2004. Invited Speaker, Siskiyou Wildlands Project, Southern Oregon University
- 2004. Invited Speaker, Annual Meeting of Western Forest Economists, Wemme
- 2004. Invited Speaker, Annual Meeting of National Forest Counties, Reno
- 2004. Invited Speaker, Portland State University, Executive Training,, Medford
- 2004. Invited Speaker, National Public Radio, Annenberg Policy Center, Philadelphia
- 2004. Invited Speaker, Cascadia Wildlands Project, Oregon Natural Resources Council Audubon Society, Harris Hall, Eugene, Oregon.
- 2003. Keynote Speaker, O & C Counties Annual Meeting

- 2003. Invited Speaker, Pacific Logging Congress
- 2003. Invited Speaker, Southern Oregon Timber Industry Association Annual Meeting
- 2003. Invited Author for Harvesting in the Tropics, Springer-Verlag Publishers
- 2003. Invited Author for Roads in the Tropics, Springer-Verlag Publishers
- 2003. Invited Author for Roading and Transport Operations, Encyclopedia of Forest Science, Elsevier Science
- 2003. Invited Speaker and Panelist, Pacific Logging Congress
- 2003. Invited Testimony for Healthy Forests Initiative, Bend, OR, Field Hearings
- 2002. Invited Lecturer, Winter 2002 Environmental Studies Lecture Series, University of Oregon.
- 2000. Lecturer, Yale Forest Forum Series on Current Issues in Commercial Forestry, School of Forestry and Environmental Studies, Yale University.
- 1998. Lecturer. F.K. Weyerhaeuser Lecture Series on Current Issues in Commercial Forestry, School of Forestry and Environment Studies, Yale University.

PUBLICATIONS

In Refereed Journals and Other Peer-Reviewed Publications:

Schrivver, R., B. Strimbu, and J. Sessions. 2026. Landscape Inventory of Individual Western Juniper in Central Oregon, USA, by fusing multispectral and elevation data. Submitted to Remote Sensing.

Hamilton, D., J. Sessions and V. Diederichs. 2026. Electric Log Truck Feasibility in Washington's Cascade Region, USA: A Case Study. In review. International J. of Forest Engineering.

Okolo, C. V., A. Susaeta, J. Sessions, A. Alam, S. Attreya, K. Lyons, and G. Presley. 2026. A Process-Simulation Approach to Scale Feasibility and Cost Structure of Forest-Residue Renewable Diesel Under Feedstock Supply Constraints. Biomass and Bioenergy .Vol 216(2027)109748 published online July 1 2026. <https://doi.org/10.1016/j.biombioe.2026.109748>.

Sessions, J., R. Zamora-Cristales, R. Macias, A. Susaeta, and F. Marrs. 2026. North American Forest Biomass Supply Chains for Efficient Bioenergy Production: Energies 2026, 19(12), 2772; <https://doi.org/10.3390/en19122772>.

Okolo, C. V., A. Susaeta and J. Sessions. 2026. When Does a Carbon Credit Market Become a Hydrogen Investment Signal? Threshold Evidence from Oregon's Clean Fuels Program. In review. Int. J. of Hydrogen Energy.

Sessions, J. 2026. Optimizing Transportation Networks for Biomass Utilization. In: Proceedings: Forest biomass utilization in the Pacific Northwest: Innovative research enables business success. Workshop held online May 21-22, 2022. Forest Service General Technical Report, PNW-GTR-1043. D. Nicholls and R. White (Eds.). <https://research.fs.usda.gov/download/treesearch/80444.pdf>

Okolo, C. V., A. Susaeta and J. Sessions. 2026. The Economics of Forest-Residue Mobilization for Renewable Diesel: Landowner Payment Pass-Through, Moisture Exposure, and Yield Hedging Under Supply Constraints. In review. *Renewable Energy*.

Gulci, N. and J. Sessions. 2026. Assessment of Disc Saw Tethered Feller-buncher and Grapple Yarder Productivity: A Case Study Whole-Tree Harvesting in Western Oregon, USA. Accepted. Šumarski list.

Zamora, R., C. Kogler, J. Sessions, K. Väättäin, M. Contreras, R. Alzamora, and R. Spinelli. 2026. Simulation in Forest Engineering: Planning the Next Generation of Forest Operations and Logistics for the Challenges of the XXI Century. *Curr. For. Rep.* **12**, 8 (2026).
<https://doi.org/10.1007/s40725-026-00268-w>,

Sessions, J., J. Gordon, R. Zamora and T. Vredenberg. 2026. Approximating an Inverse J Age Class Distribution for Sustainable Even-Aged Management. In revision. *Canadian J. of Forest Res.*

Sessions, J., S. Pilkerton, and S. Rheinberger. 2026. Modeling the Skyline Extension Using Synthetic Rope in the Standing Skyline System. In final preparation for *Int. J. of Forest Engr.*

Alam, A., R. Macias, J. Sessions, A. Ibrahim, C. Okolo, S. Attreya, G. Presley, K. Lyons, and A. Susaeta. 2025. Well-to-gate life cycle sensitivity analysis of renewable fuel produced from forest biomass. In preparation for *J. of Cleaner Production*.

Oyier, P., K. Lyons, J. Sessions, J. Calvo-Amodio, F. Marrs, and S. Brown. 2026. Determining Facial Validity of a Forest Harvest Simulation. *European J. of Forest Engr.* **12**(1):62-69.
<https://doi.org/10.33904/ejfe.1705585>.

Gulci, S., J. Sessions, and N. Gulci. 2026. Evaluating and Modeling of Chainsaw Noise Propagation by Using Artificial Neural Network in Selective Cutting. *Croatian J. of Forest Engineering.* **47**(1):157-170. Available online at doi: <https://doi.org/10.5552/crojfe.2026.4340>.

Wing, M., M. Barker, J. Burnett, and J. Sessions. 2025. Eyes in the Sky Revisited: Remote sensing technology development using small unoccupied aircraft systems. In review. *Journal of Forestry*.

Macias, R., I. Alhassa, G. Presley, I. Hafez, J. Simonsen, A. Alam, J. Sessions, A. Susaeta, V. Sierra-Jimenez, and M. Garcia-Perez. 2026. Transforming Forest Biomass Residues into Transport Fuels Part 1: Pyrolysis and Catalytic Hydrotreatment. Published online May 15, 2026. *Biomass and Bioenergy*.
[10.1016/j.biombioe.2026.109579](https://doi.org/10.1016/j.biombioe.2026.109579)

Macias, R., V. Sierra-Jimenez, M. Garcia-Perez, I. Alhassan, G. Presley, I. Hafez, J. Simonsen, A. Alam, J. Sessions and A. Susaeta 2026. Transforming Forest Biomass Residues into Transport Fuels Part 2: Co-hydrotreatment and Techno-economic Analysis. Published online May 15, 2026. *Biomass and Bioenergy*.
[10.1016/j.biombioe.2026.109580](https://doi.org/10.1016/j.biombioe.2026.109580)

Okolo, C. A. Susaeta, and J. Sessions. 2026. Credit Market Dynamics, Reduced Greenhouse Gas, and Carbon Intensity Targets: Insights from the Oregon Clean Fuels Program for Sustainable Development. *Journal of Renewable Energy*. Volume 256, Part G, 1 January 2026, 124489, online September 23, 2025. <https://www.sciencedirect.com/science/article/abs/pii/S0960148125021536>

Gulci, S., J. Sessions, and N. Gulci. 2026. Evaluating and Modeling of Chainsaw Noise Propagation by Using Artificial Neural Network in Selective Cutting. *Croatian J. of Forest Engineering*. In press. Available online at doi: <https://doi.org/10.5552/crojfe.2026.4340>. October 8, 2025.

Gulci, N., J. Sessions, and P. Green. 2025. Assessment of Tethered Harvester Productivity in Steep Terrain Conditions: A Case Study in Western Oregon, USA. *Šumarski list*, 9-10 (2025): 457-465. <https://doi.org/10.31298/sl.149.9-10.5>

Hamilton, D., Sessions, J., and C. Langevin. 2025. Identifying rolling resistance and air resistance simultaneously for an electric truck. *International Journal of Forest Engineering*, 1–15. <https://doi.org/10.1080/14942119.2025.2561179>.

Gulci, N., J. Sessions, S. Gulci, and A. Akay. 2025 Worksheet-based Preliminary Analysis for Skyline Installation: A case study from Kahramanmaraş, Turkey. *Turkish Journal of Forest Science*. <https://dergipark.org.tr/tr/pub/turkjforsci/issue/95215/1743549>

Okolo, C., A. Susaeta, M. Crandall, and J. Sessions. 2025. From Costs to Reductions in Carbon Intensity: Market signals and electric vehicle charging infrastructure in Oregon's Clean Fuels Program for Sustainable Development. *J. of Sustainable Development*. Available online November 25, 2025.

Hamilton, D., C. Langevin, J. Sessions and V. Diederichs. 2025. Developing Heavy Duty Electric Vehicle Energy Transportation Cost Mapping. *International Forum for Heavy Vehicle Transport & Technology (HVTT Forum)*, May 25-29, 2025, Laval University, Quebec, CA. <https://applications.fsa.ulaval.ca/cfp/public/article.aspx?id=847>

Alam, A., R. Naranjo, J. Sessions, C. Okolo, S. Attreya, K. Lyons, and A. Susaeta. 2025. Development and Prospects of Biomass-Based Fuels for Heavy-Duty Truck Applications: A Case Study in Oregon. Published online May 26, 2025. *Energies* **2025**, *18*(11), 2747. <https://doi.org/10.3390/en18112747>.

Sercan, G., M. Wing, N. Gülci, J. Sessions' and A. Akay. 2024. Evaluating Landscape Monitoring Using Automatic Dense Point Cloud Classification: UAV-Derived Multi-Temporal Imagery on a University Campus. Submitted to *Journal of Forestry*.

Diniz, C., M Smidt, J. Sessions and R. Zamora-Cristales. 2024. Simulating gross production of southern harvesting systems using Arena Simulation Software. Submitted to the *International J. of Forest Engineering*.

Schraver, R., J. Sessions and B. Strimbu. 2024. Landscape restoration using individual tree harvest strategies. *Sustainability* 2024, 16, 5124. <https://doi.org/10.3390/su16125124>.

Diniz, C., R. Timofeiczky, J. Garzel, R. Robert, J. Sessions, and E. Lopes. 2024. Comparing different replacement policies for logging machines in Brazil. Special Issue of the *Croatian J. for the 2022 IUFRO-CFE-FORMEC meeting*. Corvallis, Oregon. *Croatian J. of Forest Engr.* 45(1):57-70.

Diniz, C., M. Smidt, and J. Sessions. 2024. Applying optimum bucking method to compare volume and value recovery of cut-to-length and tree-length merchandizing systems in Piedmont and Coastal Plain. FORMEC/FEC 2023—Improving Access to Sustainable Forest Materials in a Resource-Constrained World. Special Issue *Forests* 2024, 15(3), 550; <https://doi.org/10.3390/f15030550> Published online March 18, 2024.

Hamilton, D, V. Diederichs, and John Sessions. 2024. A Forestry Electric Vehicle Energy Routing and Mapping GIS Tool. *International J. of Forest Engineering*. Published online May 23, 2024. <https://www.tandfonline.com/doi/full/10.1080/14942119.2024.2353501>

Sessions J., K. Lyons, and D. Hamilton. 2024. Breakeven Analysis Considering Ultra-Fast Charging Stations at Mills for Battery-Electric Log Trucks. *Croatian J. of Forest Engineering* 45(2):383-389. <https://doi.org/10.5552/crojfe.2024.2292>.

Lyons, K., P. Oyier, F. Belart, S. Brown, J. Calvo-Amodio, and J. Sessions. 2023. Coaching forest engineering: soccer and forest harvesting simulators. In revision.

Gulci, N., A. Akay, and J. Sessions. 2023. A Comparison of Two Felling Techniques Considering Stump-Height-Related Timber Value Loss. *Croatian J. of For. Engr.* 44(1):103-110.

Diniz, C., M. Smidt and J. Sessions. 2022. Engine idle time and its effects on logging machine costs. Submitted to the *Croatian J. of Forest Engr.* In Review.

Lyons, K., J. Wimer, and J. Sessions. 2022. Hazard recognition and risk assessment by cable logging rigging crews. Accepted March 16, 2022, Published online April 4, 2022. COFE-FORMEC Special Issue of *Int. J. of For. Engr.* <https://doi.org/10.1080/14942119.2022.2055411>

Sessions, J. and J. Wimer. 2022. A mobility model for a tethered skidder. COFE-FORMEC Special Issue of *Int. J. of For. Engr.* 33(3): 189-194. Accepted Feb 18, 2022, Published online March 8, 2022. DOI: 10.1080/14942119.2022.2045172

Chung, W., B. Morrisette, P. Green, B. Leshchinsky, F. Belart, J. Sessions, J. Wimer, and J. Garland. 2022. Effects of pre-bunching logs with a tethered feller-buncher on cable logging productivity and costs: A case study in Southern Oregon. *Forest Science* 68(3):325–333. <https://doi.org/10.1093/forsci/fxac008>.

Nicholls, D., D. Vaughn, H-S Han, D. Mitchell, M. Smidt and J. Sessions. 2022. Forest Biohubs to enhance forest health while supporting the emerging bioeconomy: a comparison between three U.S. regions. Accepted January 14, 2022. Published on line January 27, *Energies* 2022, 15(3), 931; <https://doi.org/10.3390/en15030931>

West, T., J. Sessions, and B. Strimbu. 2022. Steep Slope Harvest System Models for Small to Large Trees. *Forests*, 13(2):305-322. <https://doi.org/10.3390/f13020305>.

Diniz, C., and J. Sessions. 2022. ESPDS: A support tool to assist forest equipment purchase decisions. Published online December 1, 2021. doi: 10.5552/crojfe.2022.1168, 43(1)12 pages. *Croatian J. of Forest Engr* 43(1):98-108.

Acuna, M., J. Sessions, and G. Murphy. 2021. Financial impacts of harvesting with spatial, access and size considerations. In preparation.

Sessions, J., B. Strimbu, and T. West. 2021. Do Larger Diameter Logs Cost More to Haul? In preparation.

Sessions, J., K. Lyons, and J. Wimer. 2021. Maximizing the Standing Skyline Log Load Using a Variable Length Tagline. *Forests* 2021, 12, 927. <https://doi.org/10.3390/f12070927>. Published July 15, 2021.

West, T., J. Sessions, and B. Strimbu. 2021. Heuristic Optimization of Thinning Individual Douglas-Fir. *Forests* 2021, 12, 280. <https://doi.org/10.3390/f12030280>. Published on line Feb 28, 2021. 14 pp.

Akay, A.E., Serin, H., Sessions, J., Pak, M., Bilici, E. 2021. Evaluating the Effects of Improving Forest Road Standards on Economic Value of Forest Products, *Croatian J. of Forest Engineering*, 42(2):245–258.

Sessions, J., M. Berry and H-S. Han. 2021. Machine rate calculations – A modified approach. *Croatian J. of Forest Engineering*, 42(3):437-443.

Eker, M., and J. Sessions. 2020. Refocusing on Operational Harvest Planning Model for State Owned Forestry in Turkey. Published on line December 12, 2020. *European J. of Forest Engr*.6(2):96-106.

Berry, M., and J. Sessions. 2020. Evaluating the economic incentives of biomass removal on site preparation for different harvesting systems in Australia. *Forests* 11(1370):1-12. doi:10.3390/f11121370.

Diniz, C. and J. Sessions. 2020. Ensuring Consistency between Strategic Plans and Equipment Replacement Decisions. Published online June 5, 2020. *International J. of Forest Engineering* 31(3):211-223. <https://www.tandfonline.com/doi/full/10.1080/14942119.2020.1768769>

Lyons, K., J. Sessions and J. Wimer. 2020. Design of continuous bridle multiple-stump anchors. *International J. of Forest Engr.* 31(1):1-8, DOI: 10.1080/14942119.2020.1685833

Lyons, K., J. Sessions and J. Wimer. 2020. The effect on tether tension when using trees to redirect live machine tethers during forest harvesting on steep slopes. *Biosystems Engineering* 195(2020):89-96.

Wooley, R., J.Y. Zhu, R. Gleisner, A. Hawkins, P. Starkey, J. Gao, T. Spink, J. Ley, M. Wolcott, G. Marrs, and J. Sessions. 2020. Production of 1,000 gallons of certified biojet fuel through biochemical conversion of softwood forest residues. Gen. Tech. Rep. FPL-GTR-278. Madison, WI: US Department of Agriculture, Forest Service, Forest Products Laboratory. 109 p.

Green, P., W. Chung, B. Leshchinsky, J. Sessions, S. Fitzgerald, J. Wimer, T. Cushing, and J. Garland. 2020. Insight into the Productivity, Cost and Soil Impacts of Cable-assisted Harvester forwarder Thinning in Western Oregon. *Forest Science* 66(1):82-96.

Diniz, C., J. Sessions, R. Timofeiczky Junior, and R. Robert. 2020. Equipment replacement policy for forest machines in Brazil. *International J. of Forest Engineering* 31(2):87-94.

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