

Record 1 of 37

Title: ESTIMATING AND VALIDATING HARVESTING SYSTEM PRODUCTION THROUGH COMPUTER-SIMULATION

Author(s): BAUMGRAS, JE (BAUMGRAS, JE); HASSLER, CC (HASSLER, CC); LEDOUX, CB (LEDOUX, CB)

Source: FOREST PRODUCTS JOURNAL Volume: 43 Issue: 11-12 Pages: 65-71 Published: NOV-DEC 1993

Accession Number: WOS:A1993MM67600009

ISSN: 0015-7473

Record 2 of 37

Title: The marking for bucking under uncertain in automatic harvesting of forests

Author(s): Liski, EP (Liski, EP); Nummi, T (Nummi, T)

Source: INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS Volume: 46 Pages: 373-385 DOI: 10.1016/0925-5273(95)00085-2 Published: DEC 1996

Accession Number: WOS:A1996WA03700031

Conference Title: 8th International Working Seminar on Production Economics

Conference Date: FEB 21-25, 1994

Conference Location: INNSBRUCK, AUSTRIA

ISSN: 0925-5273

eISSN: 1873-7579

Record 3 of 37

Title: Techniques for visualizing the appearance of forestry operations

Author(s): McGaughey, RJ (McGaughey, RJ)

Source: JOURNAL OF FORESTRY Volume: 96 Issue: 6 Pages: 9-14 Published: JUN 1998

Accession Number: WOS:000074039400004

ISSN: 0022-1201

Record 4 of 37

Title: Prediction of stem characteristics for Pinus sylvestris

Author(s): Nummi, T (Nummi, T)

Source: SCANDINAVIAN JOURNAL OF FOREST RESEARCH Volume: 14 Issue: 3 Pages: 270-275 DOI: 10.1080/02827589950152791 Published: 1999

Accession Number: WOS:000081420900020

ISSN: 0282-7581

Record 5 of 37

Title: Assessing the operational cost of streamside management zones

Author(s): Kluender, R (Kluender, R); Weih, R (Weih, R); Corrigan, M (Corrigan, M); Pickett, J (Pickett, J)

Source: FOREST PRODUCTS JOURNAL Volume: 50 Issue: 2 Pages: 30-34 Published: FEB 2000

Accession Number: WOS:000085506200008

ISSN: 0015-7473

Record 6 of 37

Title: GIBSI - An integrated modelling system prototype for river basin management

Author(s): Rousseau, AN (Rousseau, AN); Mailhot, A (Mailhot, A); Turcotte, R (Turcotte, R); Duchemin, M (Duchemin, M); Blanchette, C (Blanchette, C); Roux, M (Roux, M); Etong, N (Etong, N); Dupont, J (Dupont, J); Villeneuve, JP (Villeneuve, JP)

Source: HYDROBIOLOGIA Volume: 422 Pages: 465-475 DOI: 10.1023/A:1017030618572 Published: APR 2000

Accession Number: WOS:000088030000038

Conference Title: International Conference on Assessing the Ecological Integrity of Running Waters

Conference Date: NOV, 1998

Conference Location: UNIV AGR SCI, DEPT HYDROBIO, VIENNA, AUSTRIA

Conference Sponsors: Austrian Fed Minist Environm, Youth & Family Affairs, Austrian Fed Minist Agr & Forestry, Austrian Fed Minist Sci & Transport, Austrian Network Environm Res, Austrian Airlines, Austrian Lotteries, Bank Austria, Oracle, Schneiders, Vienna Tourist Board, VISA Austria

Conference Host: UNIV AGR SCI, DEPT HYDROBIO

ISSN: 0018-8158

Record 7 of 37

Title: A timber harvesting model for Austria

Author(s): Sterba, H (Sterba, H); Golser, M (Golser, M); Moser, M (Moser, M); Schadauer, K (Schadauer, K)

Source: COMPUTERS AND ELECTRONICS IN AGRICULTURE Volume: 28 Issue: 2 Pages: 133-149 DOI: 10.1016/S0168-1699(00)00121-6 Published: AUG 2000

Accession Number: WOS:000088452300005

Conference Title: International Conference on Integrated Tools for Natural Resources Inventories in the 21st Century

Conference Date: AUG 16-20, 1998

Conference Location: BOISE, ID

Conference Sponsors: US Forest Serv, Canadian Forest Serv, Soc Amer Foresters

ISSN: 0168-1699

Record 8 of 37

Title: Designing an evolution program for solving integer forest management scheduling models: An application in Portugal

Author(s): Falcao, AO (Falcao, AO); Borges, JG (Borges, JG)

Source: FOREST SCIENCE Volume: 47 Issue: 2 Pages: 158-168 Published: MAY 2001

Accession Number: WOS:000168667200005

Author Identifiers:

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Author	Web of Science ResearcherID	ORCID Number
Borges, Jose G.	A-4131-2008	0000-0002-0608-5784
Falcao, Andre O.	A-3545-2010	0000-0002-3588-8746

ISSN: 0015-749X

Record 9 of 37

Title: Models for predicting wood properties in stems of Picea abies and Pinus sylvestris in Sweden

Author(s): Wilhelmsson, L (Wilhelmsson, L); Arlinger, J (Arlinger, J); Spangberg, K (Spangberg, K); Lundqvist, SO (Lundqvist, SO); Grahn, T (Grahn, T); Hedenberg, O (Hedenberg, O); Olsson, L (Olsson, L)

Source: SCANDINAVIAN JOURNAL OF FOREST RESEARCH Volume: 17 Issue: 4 Pages: 330-350 DOI: 10.1080/02827580260138080 Published: AUG 1 2002

Accession Number: WOS:000177400400008

ISSN: 0282-7581

Record 10 of 37

Title: Estimating and validating ground-based timber harvesting production through computer simulation

Author(s): Wang, JX (Wang, JX); LeDoux, CB (LeDoux, CB)

Source: FOREST SCIENCE Volume: 49 Issue: 1 Pages: 64-76 Published: FEB 2003

Accession Number: WOS:000180858100005

ISSN: 0015-749X

Record 11 of 37

Title: A computer-based time study system for timber harvesting operations

Author(s): Wang, JX (Wang, JX); McNeel, J (McNeel, J); Baumgras, J (Baumgras, J)

Source: FOREST PRODUCTS JOURNAL Volume: 53 Issue: 3 Pages: 47-53 Published: MAR 2003

Accession Number: WOS:000181725800009

ISSN: 0015-7473

Record 12 of 37

Title: Timber supply projections for northern new England and New York: Integrating a market perspective

Author(s): Sendak, PE (Sendak, PE); Ably, RC (Ably, RC); Turner, RJ (Turner, RJ)

Source: NORTHERN JOURNAL OF APPLIED FORESTRY Volume: 20 Issue: 4 Pages: 175-185 Published: DEC 2003

Accession Number: WOS:000187218700005

ISSN: 0742-6348

Record 13 of 37

Title: Estimation and prediction for low degree polynomial models under measurement errors with an application to forest harvesters

Author(s): Nummi, T (Nummi, T); Mottonen, J (Mottonen, J)

Source: JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES C-APPLIED STATISTICS Volume: 53 Pages: 495-505 DOI: 10.1111/j.1467-9876.2004.05138.x Part: 3 Published: 2004

Accession Number: WOS:0002251978400006

ISSN: 0035-9254

eISSN: 1467-9876

Record 14 of 37

Title: A genetic algorithm approach to tree bucking optimization

Author(s): Kivinen, VP (Kivinen, VP)

Source: FOREST SCIENCE Volume: 50 Issue: 5 Pages: 696-710 Published: OCT 2004

Accession Number: WOS:000225369100012

ISSN: 0015-749X

Record 15 of 37

Title: Adaptive control of bucking on harvesters to meet order book constraints

Author(s): Murphy, G (Murphy, G); Marshall, H (Marshall, H); Bolding, MC (Bolding, MC)

Source: FOREST PRODUCTS JOURNAL Volume: 54 Issue: 12 Pages: 114-121 Published: DEC 2004

Accession Number: WOS:000226020000018

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Bolding, M. Chad	Q-1301-2018	0000-0002-6212-7133

ISSN: 0015-7473

Record 16 of 37

Title: Decision-support program "EnerTree" for analyzing forest residue recovery options

Author(s): Roser, D (Roser, D); Pasanen, K (Pasanen, K); Asikainen, A (Asikainen, A)

Source: BIOMASS & BIOENERGY Volume: 30 Issue: 4 Pages: 326-333 DOI: 10.1016/j.biombioe.2005.07.010 Published: APR 2006

Accession Number: WOS:000236435600009

Conference Title: Workshop of IEA Bioenergy Task 31 on Sustainable Production Systems for Bioenergy

Conference Date: OCT, 2003

Conference Location: Flagstaff, AZ

Conference Sponsors: Int Energy Agcy Bioenergy

ISSN: 0961-9534

Record 17 of 37

Title: A density-dependent matrix model and its applications in optimizing harvest schemes

Author(s): Shao, GF (Shao, Guofan); Wang, F (Wang Fei); Dai, LM (Dai Limin); Bai, JW (Bai Jianwei); Li, YS (Li Yingshan)

Source: SCIENCE IN CHINA SERIES E-TECHNOLOGICAL SCIENCES Volume: 49 Pages: 108-117 DOI: 10.1007/s11431-006-8112-2 Supplement: 1 Published: JUN 2006

Accession Number: WOS:000240203200012

ISSN: 1006-9321

Record 18 of 37

Title: LOG MERCHANDIZING MODEL USED IN MECHANICAL HARVESTING

Author(s): Marshall, H (Marshall, Hamish)

Edited by: Weintraub A

Source: HANDBOOK OF OPERATIONS RESEARCH IN NATURAL RESOURCES Book Series: International Series in Operations Research & Management Science Volume: 99 Pages: 379-389 DOI: 10.1007/978-0-387-71815-6_19 Published: 2007

Accession Number: WOS:000270557700019

ISSN: 0884-8289

ISBN: 978-0-387-71815-6

Book DOI: 10.1007/978-0-387-71815-6

Record 19 of 37

Title: A computer approach to finding an optimal log landing location and analyzing influencing factors for ground-based timber harvesting

Author(s): Contreras, M (Contreras, Marco); Chung, W (Chung, Woodam)

Source: CANADIAN JOURNAL OF FOREST RESEARCH-REVUE CANADIENNE DE RECHERCHE FORESTIERE Volume: 37 Issue: 2 Pages: 276-292 DOI: 10.1139/X06-219 Published: FEB 2007

Accession Number: WOS:000247871200008

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Chung, Woodam	A-5832-2018	0000-0001-9203-7166

ISSN: 0045-5067

Record 20 of 37

Title: Demonstration and verification of a model thats generates defoliation patterns in forested landscapes

Author(s): Edgar, CB (Edgar, Christopher B.); Burk, TE (Burk, Thomas E.)

Source: ECOLOGICAL MODELLING Volume: 205 Issue: 3-4 Pages: 301-313 DOI: 10.1016/j.ecolmodel.2007.02.027 Published: JUL 24 2007

Accession Number: WOS:000247378200003

ISSN: 0304-3800

eISSN: 1872-7026

Record 21 of 37

Title: Effects of harvest management practices on forest biomass and soil carbon in eucalypt forests in New South Wales, Australia: Simulations with the forest succession model LINKAGES

Author(s): Ranatunga, K (Ranatunga, Kemachandra); Keenan, RJ (Keenan, Rodney J.); Wullschleger, SD (Wullschleger, Stan D.); Post, WA (Post, Wilfred A.); Tharp, ML (Tharp, M. Lynn)

Source: FOREST ECOLOGY AND MANAGEMENT Volume: 255 Issue: 7 Pages: 2407-2415 DOI: 10.1016/j.foreco.2008.01.002 Published: APR 20 2008

Accession Number: WOS:000256143900037

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Post, Wilfred	B-8959-2012	
Wullschleger, Stan	B-8297-2012	0000-0002-9869-0446
Brilhante, Jackson	F-5783-2016	
Keenan, Rodney		0000-0002-2804-4975

ISSN: 0378-1127

Record 22 of 37

Title: DEVELOPMENT OF SPATIO-TEMPORAL FOREST HARVEST PLANNING SYSTEM FOR OPTIMIZING CARBON SEQUESTRATION

Author(s): Sharma, BD (Sharma, Benktesh Dash); Wang, JX (Wang, Jingxin); Liu, SR (Liu, Shirong)

Source: INTELLIGENT AUTOMATION AND SOFT COMPUTING Volume: 16 Issue: 6 Special Issue: SI Pages: 1135-1145 Published: 2010

Accession Number: WOS:000283468800029

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Sharma, Benktesh	J-6061-2012	

ISSN: 1079-8587

eISSN: 2326-005X

Record 23 of 37

Title: Development of a Multi-Criteria Decision Support Tool for Energy Wood Supply Management

Author(s): Kuhmaier, M (Kuehmaier, Martin); Stampfer, K (Stampfer, Karl)

Source: CROATIAN JOURNAL OF FOREST ENGINEERING Volume: 33 Issue: 2 Pages: 181-198 Published: SEP 2012

Accession Number: WOS:000310866000002

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Kuhmaier, Martin		0000-0002-0537-3610

ISSN: 1845-5719

Record 24 of 37

Title: Conservation and management of peripheral populations: Spatial and temporal influences on the genetic structure of wood frog (Rana sylvatica) populations

Author(s): Peterman, WE (Peterman, William E.); Feist, SM (Feist, Sheena M.); Semlitsch, RD (Semlitsch, Raymond D.); Eggert, LS (Eggert, Lori S.)

Source: BIOLOGICAL CONSERVATION Volume: 158 Pages: 351-358 DOI: 10.1016/j.biocon.2012.07.028 Published: FEB 2013

Accession Number: WOS:000318128300039

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Peterman, William	H-7809-2013	0000-0001-5229-9268
Semlitsch, Raymond		0000-0002-7999-5762

ISSN: 0006-3207

Record 25 of 37

Title: Automatic Time Study Method for Recording Work Phase Times of Timber Harvesting

Author(s): Palander, T (Palander, Teijo); Nuutinen, Y (Nuutinen, Yrjo); Kariniemi, A (Kariniemi, Arto); Vaatainen, K (Vaatainen, Kari)

Source: FOREST SCIENCE Volume: 59 Issue: 4 Pages: 472-483 DOI: 10.5849/forsci.12-009 Published: AUG 2013

Accession Number: WOS:000323531200010

ISSN: 0015-749X

Record 26 of 37

Title: Analysing log length measurement accuracy of harvester and processor heads

Author(s): Leitner, T (Leitner, Thomas); Stampfer, K (Stampfer, Karl); Visser, R (Visser, Rien)

Source: AUSTRIAN JOURNAL OF FOREST SCIENCE Volume: 131 Issue: 3 Pages: 129-146 Published: 2014

Accession Number: WOS:000348051900001

ISSN: 0379-5292

eISSN: 0375-524X

Record 27 of 37

Title: Export of nutrients from forest ecosystems by harvesting timber and biomass. Part 1: Functions for estimating tree biomass and nutrient content and their application for scenario analyses

Author(s): Pretzsch, H (Pretzsch, Hans); Block, J (Block, Joachim); Dieler, J (Dieler, Jochen); Gauer, J (Gauer, Juergen); Gottleen, A (Goettleen, Axel); Moshammer, R (Moshammer, Ralf); Schuck, J (Schuck, Julius); Weis, W (Weis, Wendelin); Wunn, U (Wunn, Uwe)

Source: ALLGEMEINE FORST UND JAGDZEITUNG Volume: 185 Issue: 11-12 Pages: 261-285 Published: 2014

Accession Number: WOS:000349275800002

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Pretzsch, Hans		0000-0002-4958-1868

ISSN: 0002-5852

Record 28 of 37

Title: Length accuracy of logs from birch and aspen harvested in thinning operations

Author(s): Bembenek, M (Bembenek, Mariusz); Mederski, PS (Mederski, Piotr S.); Karaszewski, Z (Karaszewski, Zbigniew); Lacka, A (Lacka, Agnieszka); Grzywinski, W (Grzywinski, Witold); Wegiel, A (Wegiel, Andrzej); Giefing, DF (Giefing, Dieter F.); Erler, J (Erler, Joern)

Source: TURKISH JOURNAL OF AGRICULTURE AND FORESTRY Volume: 39 Issue: 6 Pages: 845-850 DOI: 10.3906/tar-1406-39 Published: 2015

Accession Number: WOS:000363554800001

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Wegiel, Andrzej	Y-1770-2018	0000-0002-4504-1696
Lacka, Agnieszka	U-9004-2018	0000-0002-8514-5449
Wegiel, Andrzej	K-2510-2019	0000-0002-4504-1696
Mederski, Piotr	K-3196-2016	0000-0003-3060-4422
Karaszewski, Zbigniew	J-3188-2019	0000-0001-8037-021X
Bembenek, Mariusz		0000-0002-9437-8439

ISSN: 1300-011X

eISSN: 1303-6173

Record 29 of 37

Title: Automatic GNSS-enabled harvester data collection as a tool to evaluate factors affecting harvester productivity in a Eucalyptus spp. harvesting operation in Uruguay

Author(s): Olivera, A (Olivera, Alejandro); Visser, R (Visser, Rien); Acuna, M (Acuna, Mauricio); Morgenroth, J (Morgenroth, Justin)

Source: INTERNATIONAL JOURNAL OF FOREST ENGINEERING Volume: 27 Issue: 1 Pages: 15-28 DOI: 10.1080/14942119.2015.1099775 Published: 2016

Accession Number: WOS:000457246600003

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Acuna, Mauricio	S-8564-2017	0000-0003-1409-5699

ISSN: 1494-2119

eISSN: 1913-2220

Record 30 of 37

Title: Performance of a mid-sized harvester-forwarder system in integrated harvesting of sawmill, pulpwood and firewood

Author(s): Apafaian, AI (Apafaian, A. I.); Proto, AR (Proto, A. R.); Borz, SA (Borz, S. A.)

Source: ANNALS OF FOREST RESEARCH **Volume:** 60 **Issue:** 2 **Pages:** 227-241 **DOI:** 10.15287/afr.2017.909 **Published:** 2017

Accession Number: WOS:000425192300004

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Proto, Andrea R.	A-7256-2012	0000-0003-4630-8986

ISSN: 1844-8135

Record 31 of 37

Title: Comparison of remote sensing based RFID and standard tree marking for timber harvesting

Author(s): Pichler, G (Pichler, Gerhard); Lopez, JAP (Lopez, Jose Alejandro Poveda); Picchi, G (Picchi, Gianni); Nolan, E (Nolan, Enda); Kastner, M (Kastner, Maximilian); Stampfer, K (Stampfer, Karl); Kuhmaier, M (Kuehmaier, Martin)

Source: COMPUTERS AND ELECTRONICS IN AGRICULTURE **Volume:** 140 **Pages:** 214-226 **DOI:** 10.1016/j.compag.2017.05.030 **Published:** AUG 2017

Accession Number: WOS:000407182700020

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Picchi, Gianni		0000-0002-1262-6778
Kuhmaier, Martin		0000-0002-0537-3610

ISSN: 0168-1699

eISSN: 1872-7107

Record 32 of 37

Title: Sediment transport in forested head water catchments - Calibration and validation of a soil erosion and landscape evolution model

Author(s): Hancock, GR (Hancock, G. R.); Webb, AA (Webb, A. A.); Turner, L (Turner, L.)

Source: JOURNAL OF HYDROLOGY **Volume:** 554 **Pages:** 12-23 **DOI:** 10.1016/j.jhydrol.2017.08.049 **Published:** NOV 2017

Accession Number: WOS:000415769600002

ISSN: 0022-1694

eISSN: 1879-2707

Record 33 of 37

Title: The accuracy of measurements in a time study of harvester operations

Author(s): Szewczyk, G (Szewczyk, Grzegorz); Sowa, JM (Sowa, Janusz M.)

Source: NEW ZEALAND JOURNAL OF FORESTRY SCIENCE **Volume:** 47 **Article Number:** 24 **DOI:** 10.1186/s40490-017-0105-3 **Published:** DEC 5 2017

Accession Number: WOS:000417277500001

ISSN: 0048-0134

eISSN: 1179-5395

Record 34 of 37

Title: A comparison of two methods of data collection for modelling productivity of harvesters: manual time study and follow-up study using on-board-computer stem records

Author(s): Brewer, J (Brewer, J.); Talbot, B (Talbot, B.); Belbo, H (Belbo, H.); Ackerman, P (Ackerman, P.); Ackerman, S (Ackerman, S.)

Source: ANNALS OF FOREST RESEARCH **Volume:** 61 **Issue:** 1 **Pages:** 109-124 **DOI:** 10.15287/afr.2018.962 **Published:** 2018

Accession Number: WOS:000447917600009

Author Identifiers:

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Belbo, Helmer	H-5370-2019	0000-0001-7060-1467
Ackerman, Simon		0000-0002-3993-798X

ISSN: 1844-8135

eISSN: 2065-2445

Record 35 of 37

Title: Reconstructing the size of individual trees using log data from cut-to-length harvesters in Pinus radiata plantations: a case study in NSW, Australia

Author(s): Lu, K (Lu, Kuan); Bi, HQ (Bi, Huiquan); Watt, DC (Watt, Duncan); Strandgard, M (Strandgard, Martin); Li, Y (Li, Yun)

Source: JOURNAL OF FORESTRY RESEARCH **Volume:** 29 **Issue:** 1 **Pages:** 13-33 **DOI:** 10.1007/s11676-017-0517-1 **Published:** JAN 2018

Accession Number: WOS:000419916000002

ISSN: 1007-662X

eISSN: 1993-0607

Record 36 of 37

Title: Investigation of Log Length Accuracy and Harvester Efficiency in Processing of Oak Trees

Author(s): Mederski, PS (Mederski, Piotr S.); Bembenek, M (Bembenek, Mariusz); Karaszewski, Z (Karaszewski, Zbigniew); Pilarek, Z (Pilarek, Zenon); Lacka, A (Lacka, Agnieszka)

Source: CROATIAN JOURNAL OF FOREST ENGINEERING **Volume:** 39 **Issue:** 2 **Pages:** 173-181 **Published:** JUL 2018

Accession Number: WOS:000444869300003

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Karaszewski, Zbigniew	J-3188-2019	0000-0001-8037-021X
Mederski, Piotr	K-3196-2016	0000-0003-3060-4422
Lacka, Agnieszka	U-9004-2018	0000-0002-8514-5449

ISSN: 1845-5719

Record 37 of 37

Title: A Big Data approach to forestry harvesting productivity

Author(s): Rossit, DA (Alejandro Rossit, Daniel); Olivera, A (Olivera, Alejandro); Cespedes, VV (Viana Cespedes, Victor); Broz, D (Broz, Diego)

Source: COMPUTERS AND ELECTRONICS IN AGRICULTURE **Volume:** 161 **Special Issue:** SI **Pages:** 29-52 **DOI:** 10.1016/j.compag.2019.02.029 **Published:** JUN 2019

Accession Number: WOS:000470049400004

Conference Title: 1st International Conference on Agro BigData and Decision Support Systems in Agriculture

Conference Date: SEP, 2017

Conference Location: Montevideo, URUGUAY

Author Identifiers:

Author	Web of Science ResearcherID	ORCID Number
Rossit, Daniel		0000-0002-2381-4352
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