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*Curriculum vitae* of:

**JEFFREY CURTIS GLAUBITZ**

Dept. of Forestry & Natural Resources  
Purdue University, 195 Marsteller St.  
West Lafayette IN, USA 47907-2033  
phone: (765) 494-3609  
email: [glaubitz@fnr.purdue.edu](mailto:glaubitz@fnr.purdue.edu)

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## INTERESTS

Conservation genetics, population genetics, C++ computer programming, simulation modeling, randomization tests, genetic linkage mapping, QTL detection and marker assisted selection.

## EDUCATION

Ph.D.	Forest Molecular Genetics	1996	University of British Columbia
B.Sc.(Forestry)	Forest Genetics	1987	University of British Columbia

## HONORS

B.C. Science Council - Graduate Research in Engineering & Technology Award (1989-92)  
National Science & Engineering Research Council – Post Graduate Scholarship (1991-93)  
H.R. Macmillan Scholarship in Forestry (1985)  
University of British Columbia. Scholarship Fund (1985)

## PROFESSIONAL EXPERIENCE

2001 to present	<b>Postdoctoral Researcher</b> , Dept. Forestry & Natural Resources, Purdue University, West Lafayette, Indiana. (Population Genetics of tree and wildlife species, with emphasis on computer modeling).
1996 to 2001	<b>Postdoctoral Fellow/Research Scientist</b> , CSIRO Forestry & Forest Products, Canberra, ACT, Australia. (Molecular Population Genetics of Eucalypt species).
1987 to 1989	<b>Research Technician</b> , University of British Columbia, Department of Forest Sciences. I carried out a variety of projects in the fields of forest ecology, tree physiology, tree pathology, and entomology.

## RESEARCH GRANTS

2000	Forest and Wood Products Research and Development Corporation (Australia) \$105,000 <i>Development of indicators of genetic diversity in managed forests</i> (co-PI with Gavin F. Moran)
1998	Forest and Wood Products Research and Development Corporation (Australia) \$20,000 <i>Practical, Sensitive and Cost Effective Monitoring of Montreal Regional Indicator 1.3.a – ‘The Amount of Genetic Diversity Within and Between Populations of Representative Forest Dwelling Species’</i> (co-PI with Gavin F. Moran).

## PUBLICATIONS

- Glaubitz, J.C.** (*submitted*) CONVERT: A user-friendly program to reformat diploid genotypic data for commonly used population genetic software packages. *Molecular Ecology Notes*.
- Glaubitz, J.C.**, Robichaud, R.L., Woeste, K. and Rhodes, O.E. Jr. (*submitted*) Towards guidelines for harvest intensities with minimal impact upon retained genetic diversity in central hardwood tree species. General Technical Report NE-3###. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station. ### p.
- Glaubitz, J.C.**, Rhodes, O.E. Jr. and DeWoody, J.A. (2003) Prospects for inferring pairwise relationships with single nucleotide polymorphisms (SNPs). *Molecular Ecology* 12(4): 1039-1047.
- Glaubitz, J.C.**, Murrell, J.C. and Moran, G.F. (2003) Effects of native forest regeneration practices on genetic diversity in *Eucalyptus consideriana*. *Theoretical and Applied Genetics* 107(3): 422-431.
- Glaubitz, J.C.**, Wu, H. and Moran, G.F. (2003) Impacts of silviculture on genetic diversity in the native forest species *Eucalyptus sieberi*. *Conservation Genetics* 4(3):275-287.
- Glaubitz, J.C.**, Emebiri, L. and Moran, G.F. (2001) Dinucleotide microsatellites from *Eucalyptus sieberi*: inheritance, diversity and improved scoring of single-base differences. *Genome* 44(6): 1041-1045.
- Glaubitz, J.C.** and Moran, G.F. (2001) *Development of Indicators of Genetic Diversity in Managed Forests – Indicator 1.3.a*. Final report prepared for the Forest and Wood Products Research and Development Corporation (project number PN99.809). Client Report 1000, CSIRO Forestry & Forest Products, Canberra, Australia, 25 pp.
- Lewis, K.G., Ritland, K., El-Kassaby, Y.A., McLean, J.A., **Glaubitz, J.C.**, and Carlson, J.E. (2001) Randomly amplified polymorphic DNA reveals fine-scale genetic structure in *Pissodes strobi* (Coleoptera: Curculionidae). *Canadian Entomologist* 133(2): 229-238.
- Glaubitz, J.C.** and Moran, G.F. (2000). Genetic tools: the use of biochemical and molecular markers. (Chapter 4) In: Young, A., Boshier, D. and Boyle, T. (Eds) *Forest Conservation Genetics: Principles and Practice*. CABI Publishing, New York, pp 39-59.
- Moran, G.F., Butcher, P.A. and **Glaubitz, J.C.** (2000) Application of genetic markers in the domestication, conservation and utilisation of genetic resources of Australasian tree species. *Australian Journal of Botany* 48 (3): 313-320.
- Glaubitz, J.C.**, El-Kassaby, Y.A. and J.E. Carlson (2000) Nuclear restriction fragment length polymorphism analysis of genetic diversity in western red cedar. *Canadian Journal of Forest Research* 30(3): 379-389.
- Glaubitz, J.C.**, Garnier-Gere, P. and Moran, G.F. (1999) *Assessment of Options and Research Priorities for the Practical, Sensitive and Cost Effective Monitoring of Montreal Regional Indicator 1.3.a – ‘The Amount of Genetic Diversity Within and Between Populations of Representative Forest Dwelling Species’* A scoping study prepared for the Forest and Wood Products Research and Development Corporation. (CSIRO FFP Client report 656). 50 pp.
- Glaubitz, J.C.**, Strk, J. and Moran, G.F. (1999) Genetic impacts of different silvicultural practices in native eucalypt forests. In: Matyas, Cs (Ed) *Forest Genetics and Sustainability*. Kluwer Academic Publishers, Dordrecht, the Netherlands, pp 183-195.
- Butcher, P.A., **Glaubitz, J.C.** and Moran, G.F. (1999) Applications for microsatellite markers in the domestication and conservation of forest trees. *Forest Genetic Resources* 27:34-42.

- Glaubitz J.** (1998) Clear-felling and genetics - the good news. *Appita Journal* 51 (5): 388-388.
- Glaubitz, J.C.** (1996) *Applications of molecular markers to forest genetics: Genetic diversity, genome mapping and gene expression*. Ph.D. Dissertation, University of British Columbia, Vancouver, B.C., Canada.
- Carlson, J.E., Hong, Y-P, Brown, G.R. and **Glaubitz J.C.** (1994) FISH and RAPD marker genome analysis in conifers. *In: Gresshoff, PM (Ed) Plant Genome Analysis*. CRC Press, pp. 69-82.
- Glaubitz, J.C.** and Carlson, J.E. (1992) RNA editing in the mitochondria of a conifer. *Current Genetics* 22(2):163-165.
- Tulsieram, L.K., **Glaubitz, J.C.**, Kiss, G. and Carlson, J.E. (1992) Single-tree genetic linkage mapping in conifers using haploid DNA from megagametophytes. *Bio/Technology* 10(6):686-690.
- Carlson, J.E., Tulsieram, L.K., **Glaubitz, J.C.**, Luk, V.W.K., Kauffeldt, C. and Rutledge, R. (1991) Segregation of random amplified DNA markers in F<sub>1</sub> Progeny of conifers. *Theoretical and Applied Genetics*. 83(2): 194-200.

## PROFESSIONAL PRESENTATIONS

- June 24, 2003. *Prospects for inferring pairwise relationships with single nucleotide polymorphisms*. Evolution 2003. Joint meeting of the Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists. California State University, Chico, CA.
- May 28, 2001. *CSIRO Research & Development on Genetic Diversity (Indicator 1.3.a)*. Montreal Process Technical Advisory Committee Meeting on Criteria and Indicator Implementation: Recent Australian Experience, CSIRO Forestry & Forest Products, Yarralumla, ACT, Australia. (hosted by: Agriculture, Fisheries and Forestry – Australia).
- August 30, 2000. *Impacts of silvicultural practices on genetic diversity: a tale of two eucalypts*. Victoria Department of Natural Resources Annual Research Seminar Day, Orbost, Victoria.
- January 19, 1999. *Impacts of reforestation practices on genetic diversity of Eucalyptus sieberi*. Symposium on Molecular Genetics of Eucalypts, CRC for Sustainable Production Forestry, Hobart, Australia.
- August 25, 1998. *Genetic impacts of different silvicultural practices in eucalypt stands*. (Invited paper). Contribution of genetics to the sustained management of global forest resources, IUFRO All-Division 2 Conference on Forest Genetics and Tree Improvement, Beijing, China.
- December 10, 1997. *Effects of harvesting on genetic diversity in Eucalyptus sieberi*. Divisional Seminar, CSIRO Forestry & Forest Products, Yarralumla, ACT, Australia.

## TEACHING EXPERIENCE

- Guest Lecturer**, Purdue University, *FNR 240: Wildlife in America*, September 2002. Instructor: Olin E. Rhodes, Jr.
- Guest Lecturer**, Australian National University, *Forest Conservation and Production Genetics*, 1997- 2000. Instructor: Peter J. Kanowski.

**Instructor**, Universiti Kebangsaan Malaysia, *Training Course on Molecular Approach to Measuring Genetic Diversity and Mapping Genes Influencing Economic Traits of Forest Tree Species*, November 1998. Co-instructor: Francis Yeh (University of Alberta, Canada).

**Guest Lecturer**, Australian National University, *Forest Conservation Genetics: Principles and Practice (International Workshop)*, September 1996 & October 1997. Instructors: Peter J. Kanowski, Andrew G. Young, David Boshier.

**Teaching Assistant**, University of British Columbia, *Dendrology*, September, 1993 – April, 1994. Instructor: John Worrall.

**Teaching Assistant**, University of British Columbia, *Genetics (Summer Intensive)* – July to August 1993. Instructor: Anthony Griffiths.

## SERVICE

Reviewer for *Theoretical & Applied Genetics* and *Australian Journal of Botany*. I have also performed ten internal reviews of manuscripts for the CSIRO and one for the Purdue University Department of Forestry and Natural Resources.

## PERSONAL

**Birth date:** August 22, 1963.

**Citizenship:** Canadian.

**Marital Status:** Married with two children.

**Interests:** Guitar, flute, piano, ice hockey, in-line hockey, squash, hiking.

## REFERENCES

- **Dr. Olin E. Rhodes, Jr.**, Associate Professor, Dept. Forestry & Natural Resources, Purdue University, 1159 Forestry Bldg., West Lafayette, IN, USA, 47907; phone: (765) 494-3601; email: gener@fnr.purdue.au. (*current Postdoctoral Supervisor*)
- **Dr. Gavin F. Moran**, Project Leader (Molecular Genetics), CSIRO Forestry & Forest Products, PO Box E4008, Kingston, ACT, Australia 2611; phone: (612) 6281 8208; email: Gavin.Moran@ffp.csiro.au (*Postdoctoral Supervisor*)
- **Dr. John E. Carlson**, Associate Professor of Molecular Genetics, School of Forest Resources, 304 Wartik Lab, Pennsylvania State University, University Park, PA, USA 16802; phone: (814) 863-7561; email: jec16@psu.edu (*Ph.D. Supervisor*)
- **Dr. Yousry A. El-Kassaby**, Director, Research and Product Development, Pacific Regeneration Technologies Inc., #4 - 1028 Fort Street, Victoria, BC, Canada V8V 3K4; phone: (250) 381-1404; email: YEIKassaby@cellfor.com (*Ph.D. Committee member*)