

# Council on Forest Engineering 2008

31st Annual Meeting: *Addressing Forest Engineering Challenges for the Future*

June 22-25, 2008 Charleston, SC, Francis Marion Hotel

## DETAILED SCHEDULE

| Sunday June 22, 2008 |   |
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| 3:00                 | Registration Opens                            |
| 6:00-9:30            | Icebreaker Social - <i>Room TBA</i>           |
| 8:00-9:00            | Executive Committee Meeting - <i>Room TBA</i> |

| Monday June 23, 2008 |   |   |
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| 7:00                 | Registration Opens  |   |
| 8:30-9:00            | Welcome and Introductions - <i>Dale Greene, Chad Bolding, Pat Layton, Mike Clutter</i>  |   |
| 9:00-10:00           | <b>General Session I - <i>Room TBA</i></b>  |   |
|                      | <b>Sustaining the Future of Forestry</b>  |   |
|                      | <i>The Future of Forestry in South Carolina</i> , Mr. Gene Kodama - SC State Forester   | <i>The Future of Forest Biomass Use: An Electric Utility Perspective</i> , Liz Kress - Santee Cooper  |
| 10:00-10:30          | Break   |   |
| 10:30-12:00          | <b>General Session II - <i>Room TBA</i></b>   |   |
|                      | <b>Linkages Between Forestland Ownership and Forest Operations</b>  |   |
|                      | <i>The Changing Forestland Base in the US South</i> , Dr. Mike Clutter - University of Georgia  | <i>The Future of Forestland Ownership as Viewed by a REIT</i> , Mr. Charlie Reece - Plum Creek  |
| 12:00-1:30           | Lunch (provided) - <i>Room TBA</i>  |   |
|                      | <b>Concurrent Session 1 - <i>Room TBA</i></b>   | <b>Concurrent Session 2 - <i>Room TBA</i></b>   |
|                      | Biomass and Bioenergy: Improving Transportation   | Operation Impacts of Fire and Interface Forestry  |
| 1:30-2:00            | <i>Evaluation of two baling systems for harvesting biomass on the Osceola National Forest, Florida, United States</i> , by: J.L. Canto, R. Rummer, F. Seixas, and J. Klepac | <i>Parcelization at the wildland-urban interface: effects on forest operations</i> , by: M.C. Moldenhauer, and M.C. Bolding   |
| 2:00-2:30            | <i>Roll off containers: a solution to transporting woody biomass</i> , by: E.M. Dodson, and A.E. Kash   | <i>Understanding current attitudes in the Florida Parishes in Southeastern Louisiana: assessment, education and demonstration of prescribed burning as a wildfire management tool in the Wildland Urban Interface</i> , by: C.A. Gerald and |
| 2:30-3:00            | <i>Biomass baling into large square bales for efficient transport, storage, and handling</i> , by: J.H. Dooley, D. Lanning, C. Lanning, and J. Fridley                      |   |
| 3:00-3:30            | Break   |   |
|                      | <b>Concurrent Session 3 - <i>Room TBA</i></b>   | <b>Concurrent Session 4 - <i>Room TBA</i></b>   |

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|                  | <b>Biomass and Bioenergy: Woody Biomass Supply</b>   | <b>Value Recovery Approaches</b>   |
| <b>3:30-4:00</b> | <i>Effect of climatological conditions on moisture loss of loblolly pine</i> , by: J. Klepac, B. Rummer, and F. Seixas                     | <i>A field assessment of hardwood log bucking practices in West Virginia</i> , by: J. Wang, T. Goff, and J. McNeel   |
| <b>4:00-4:30</b> | <i>Estimating fuel biomass of shrub species in northwestern Turkey</i> , by: B. Saglam, O. Kucuk, E. Bilgili, B. Dincdurmaz, and I. Baysal | <i>Value recovery and product sorting in the southeastern United States: A comparison of conventional and modified tree-length systems</i> , by: A.K. Hamsley, W.D. Greene, and S. Baker |
| <b>4:30-5:00</b> | <i>Short rotation plantations - productivity of four cutting cycles</i> , by: G. Affenzeller, and K. Stampfer                              | <i>Decoupling of cut-to-length operations in Ohio</i> , by: J. Jenkins   |
| <b>5:00-7:00</b> | Poster Session / Hors D'oeuvres - Room TBA   |  |
| <b>7:00 -</b>    | Dinner (on your own) - Explore Charleston  |  |

| <b>Tuesday June 24, 2008</b> |   |   |
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|                              | <b>Concurrent Session 5 - Room TBA</b>  | <b>Concurrent Session 6 - Room TBA</b>  |
|                              | Innovative Approaches to Forest Operations  | Reducing Site Impacts from Forest Operations  |
| <b>8:00-8:30</b>             | <i>Reisenberg's principles revisited: a portable rail system for use in forest operations in sensitive areas</i> , by: R.F. Keefe, and A.S. Davis | <i>Stream crossings and water quality in the Virginia Piedmont</i> , by: M.B. Carroll, W.M. Aust, C.A. Dolloff, and R.M. Shaffer              |
| <b>8:30-9:00</b>             | <i>Helicopter logging productivity improvement with on-board GPS</i> , by: A. Horcher, R. Visser, and E. Messerlie                                | <i>Sediment production from temporary improved and unimproved skidder crossings</i> , by: C. Reeves, J. Stringer, C. Barton, and C. Agouridis |
| <b>9:00-9:30</b>             | <i>The economic analysis of utilizing helicopter logging in Turkish forestry</i> , by: A.E. Akay, H.H. Acar, and J. Sessions                      | <i>Estimation of forestry losses at of-the-road operation</i> , by: M.V. Mukovnina  |
| <b>9:30-10:00</b>            | <i>DIAG-FOR: a benchmarking tool for forest contractors</i> , by: J-F. Gingras  | <i>Mulch alternatives for skid road reclamation</i> , by: B. Spong  |
| <b>10:00-10:30</b>           | Break   |   |
|                              | <b>Concurrent Session 7 - Room TBA</b>  | <b>Concurrent Session 8 - Room TBA</b>  |
|                              | Forest Transportation Optimization  | Biomass and Bioenergy: Harvesting Systems   |
| <b>10:30-11:00</b>           | <i>A systematic approach to increasing the payload capacity of log trucks within existing regulatory frameworks</i> , by: E. Amlin                | <i>Harvesting biomass to improve low-value beech dominated hardwood stands in Maine</i> , by: C. Coup, J. Benjamin, and R. Wagner             |

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| <b>11:00-11:30</b> | <i>Opportunities for reducing hauling costs with longer logs</i> , by: J. Sessions, and J. Wimer  | <i>Production for a biomass harvesting system operating in pine</i> , by: B. O'Neal, and T. Gallagher                                   |
| <b>11:30-12:00</b> | <i>Optimization of pooled log transport</i> , by: T. McDonald, J. Valenzuela, M. Smidt, and T. Gallagher                                    | <i>Analysis of biomass studies in the Southeastern United States</i> , by: D. Mitchell  |
| <b>12:00-2:00</b>  | Lunch (provided) & Business Meeting - <i>Room</i>   |   |
|                    | <b>Concurrent Session 9 - <i>Room TBA</i></b>   | <b>Concurrent Session 10 - <i>Room TBA</i></b>  |
|                    | Logging Workforce Dynamics  | Biomass and Bioenergy: Supply Optimization  |
| <b>2:00-2:30</b>   | <i>Changes in the southern logging workforce over twenty years</i> , by: S. Baker, and W.D. Greene  | <i>Optimizing the biomass supply network - an alternative approach</i> , by: C. Kanzian, F. Holzleitner, G. Kindermann, and K. Stampfer |
| <b>2:30-3:00</b>   | <i>From reactive contractors to proactive entrepreneurs: a comparison of the Canadian and Swedish approach</i> , by: L. LeBel, and K. Norin | <i>GNSS and GIS based forest fuel disposition tool</i> , by: P. Rauch, and M. Gronalt   |
| <b>3:00-3:30</b>   | <i>Sustainable forestry? Only with a sustainable workforce: the Idaho timber workforce development project</i> , by: J.J. Garland           | <i>Economic modeling of woody biomass utilization for biofuels: A case study in West Virginia</i> , by: J. Wu, J. Wang, and J. McNeel   |
| <b>3:30-4:00</b>   | Break   |   |
|                    | <b>Concurrent Session 11 - <i>Room TBA</i></b>  | <b>Concurrent Session 12 - <i>Room TBA</i></b>  |
|                    | Transportation Planning   | Historical Look at Forest Operations  |
| <b>4:00-4:30</b>   | <i>A GIS tool to balance forest road construction cost and environmental impacts</i> , by: X. Meng, E.W. Robak, P.A. Arp, and D. Jaeger     | <i>When did the industrial revolutions in the woods begin and end?</i> , by: M. Clow, and P. MacDonald                                  |
| <b>4:30-5:00</b>   | <i>Using GIS techniques in planning forest roads considering design objectives</i> , by: M. Hasdemir, A.E. Akay, and M. Akgul               | <i>Forest entrepreneurs in Quebec: history, profile, and challenges</i> , by: L. Lebel, A. Egan, and L-P.B. Ducharme                    |
| <b>6:30-9:00</b>   | Dinner - Low Country Boil (provided) - <i>Marion Square Park</i>  |   |

### Wednesday June 25, 2008

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| <b>8:00-5:00</b> | Field Trip (lunch provided) |
| <b>5:00</b>      | Conference Adjourns         |