Annual Meeting of Southern Mensurationists and
Fourth International Conference on Forest Measurements and Quantitative Methods and Management

Inn at Virginia Tech, Blacksburg, Virginia
October 11-14, 2015

AGENDA

Sunday, October 11, 2015

6:00pm	**RECEPTION**

Monday, October 12, 2015

8:15am	**WELCOME**

8:30 - 10:00am	*Moderator:* *Phil Radtke* *Presenters:*	**MODELING 1**
	Thomas B. Lynch	Diameter distributions implied by individual tree growth equations for uneven-aged forests
	Quang V. Cao	Another look at self-thinning
	Charles O. Sabatia	Use of upper stem diameters in polynomial, segmented, and variable exponent taper models: Implications on merchantable volume predictions
	Mahadev Sharma	Examining and modeling climatic effect on site productivity of jack pine and black spruce plantations

10:00 - 10:30am	**BREAK**

10:30 - 12:00pm	*Moderator:* *Phil Radtke* *Presenters:*	**MODELING 2**
	Derrick Gallagher	Growth and yield modeling of juvenile loblolly pine in the Western Gulf
	Kevin Hall	Modeling the productivity of *Eucalyptus benthamii* in the Southeastern United States
	Thomas R. Fox	Modeling response to fertilization in juvenile loblolly pine plantations in the Southeastern United States.
	Arne Pommerening	Analysis and modelling of human tree selection behaviour

12:00 - 1:30pm	**LUNCH**

1:30 - 3:00pm	*Moderator:* *Bronson Bullock* *Presenters:*	**MODELING 3**
	Safa Balekoglu	Modelling crown ratio for pure maritime pine (*Pinus pinaster* Aiton) plantations in Istanbul
	M.J. Taheri Sarteshnizi	Comparison of four canopy cover estimation techniques in a Persian oak stand
	Peter O. Adesoye	Modelling stem diameter variability in *Pinus caribaea* (Morelet) plantations in South West Nigeria
	Ren-Cai DONG	Forestland prediction of China based on forest ecosystem services

3:00 - 3:30pm		**BREAK**

3:30 - 5:15pm	*Moderator:* *Bronson Bullock* *Presenters:*	**INVENTORY – GIS**
	Zack Parisa	What is a "good" inventory?
	Patrick C. Green	Large scale inventories – Errors and opportunities
	Evan Brooks	Advantages and challenges with regionalizing stand-based productivity models (or scaling up without blowing up)
	Hector Restrepo	A spatially explicit forest yield model of teak plantations in Colombia and financial risk analysis
	Chris J. Cieszewski	Analysis of broken tree signatures on high-resolution satellite imagery, part 2

Tuesday, October 13, 2015

8:30 - 10:00am	*Moderator:* *Christina Staudhammer* *Presenters:*	**ESTIMATION**
	Brian J. Clough	Introduction to the STAN language and WAIC
	Cristian R. Montes	Modeling height-diameter relations with censored regression models
	Mingliang Wang	Developing compatible stand basal area prediction and projection Models: an examination of estimation methods
	Mike Strub	Fixed or mixed model parameter estimation, integrate or estimate?

10:00 - 10:30am		**BREAK**

10:30 - 12:15pm	*Moderator:* *Christian Montes* *Presenters:*	**BIOMASS**
	David Walker	Assessment of the component ratio method for predicting individual tree component biomass
	James Halperin	Model-based approaches to estimating biomass in Miombo forests of Southern Africa
	Dehai Zhao	Biomass allocation models for loblolly pine trees
	Taek Joo Kim	Spatial distribution of above-ground biomass in Labanan Concession Forest in East Kalimantan, Indonesia
	Arne Pommerening	Are changing patterns of species abundance related to asymmetric growth dominance in Białowieża Forest?

12:15 - 1:30pm		**LUNCH**

1:30 - 3:00pm	T. B. Lynch	The research contributions of Dr. Paul Van Deusen: the early years
	Kyle Peer	An overview of research at the Reynolds Homestead Forest Resources Research Center
		Awards

3:00 – 3:15pm		**BREAK**

3:15 – 4:00pm		**BUSINESS MEETING**

Wednesday, October 14, 2015

8:00am	Depart from Inn at Virginia Tech
9:30-3:30pm	Field tour at Reynolds Homestead
5:00pm	Return to Inn at Virginia Tech