

The Warnell Continuing Education Program

Daniel B. Warnell School of Forestry and Natural Resources

Sustainability of Wood-Based Bioenergy

Development

August 6-7, 2019

Instructor: Puneet Dwivedi, PhD.

Room 4 - 419 Warnell School of Forestry and Natural Resources
180 East Green Street, Athens, GA 30602



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Warnell School of Forestry
& Natural Resources

Purpose

The production of wood-based energy products in general, and wood pellets, in particular, is increasing in the United States. In this context, it is important to understand issues related to the sustainability of wood-based energy products (e.g., current and future markets, carbon intensity, unit cost of production, direct and indirect land use changes, certification) for developing a better understanding of one of the fastest growing industries within the forestry sector. A mix of lectures and hands-on exercises will help workshop participants in developing basic skills for evaluating the overall sustainability of a wood-based energy enterprise.

Who Will Benefit?

Private and state foresters, mill managers, sustainability managers, non-profits, and members of forestry associations will benefit from this course.

Instructor

Dr. Puneet Dwivedi is an Associate Professor of Sustainability Sciences at the University of Georgia's Warnell School of Forestry and Natural Resources. He specializes in the area of wood-based energy development, forest certification, land use change modeling, and family forest landowners. At the Warnell School, he is currently supervising ten graduate students (eight doctoral students and two master students) as a major professor. He has published about 60 refereed articles covering various aspects of sustainable forestry in the United States and several other countries.

Cancellations

In the event that you need to cancel, in order to receive a refund please contact Ingvar Elle (706-583-0566 or ingvar@uga.edu) by July 23, 2019.

Parking and Directions

A visitor parking deck is located just north of the Georgia Center. Parking is \$10.00 per day. For a map and directions to the South parking deck see:

<https://www.warnell.uga.edu/about/directions-maps>

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Registration Fee

The fee for this course is \$295.00, which includes lunch, refreshment breaks, and instructional materials. There is a \$50.00 discount for fees paid and postmarked by July 16, 2019. We accept credit cards and personal or company checks for payment. A pre-registration form must be accompanied by a check to guarantee your place in the course.

Continuing Education Credits

- 12.0 Cat.1 Continuing Forestry Ed. (CFE) Hours (approved)
- 12.0 Continuing Logger Ed. (CLE) Hours – Cat. B (approved)

Register online at :

<http://conted.warnell.uga.edu/courses/bioenergy>

Tuesday, August 6, 2019

Time	Event
7:45 AM	Sign in
8:00 AM	History of Wood-based Bioenergy Development
9:30 AM	Land Use and Forestry in Georgia
10:30 AM	Break
10:45 AM	Forest Certification with a Case Study
12:15 PM	Lunch (Included)
1:15 PM	Estimating Energy from Wood-based Energy Products
3:15 PM	Break
3:30 PM	Carbon Intensity of Wood Pellets
4:30 PM	Biogenic Carbon Emissions
5:30 PM	Adjourn

Wednesday, August 7, 2019

Time	Event
7:45 AM	Sign in
8:00 AM	Economics of Wood Pellets
10:30 AM	Break
10:45 AM	Class Exercise
11:45 AM	Future Bioenergy Markets
12:15 PM	Adjourn

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Mail payment to:

Attn: Anuj Sinha

Warnell School of Forestry & Natural Resources
The University of Georgia
180 East Green Street
Athens, Georgia 30602

Hotel Accommodations

A block of rooms will be set aside at the Holiday Inn Express (1-800-465-4329) for attendees of "Sustainability of Wood-Based Bioenergy Development" for the nights of August 5-6, 2019. The cost of the rooms are \$92.00 plus tax. The hotel address is 513 W Broad St, Athens, GA 30601. Please use code WBBD when making reservations.

Special Needs

For special services or dietary considerations please contact Ingvar Elle (ingvar@uga.edu) prior to July 23, 2019.

Full Attendance is Mandatory to Receive Credit.

Registration Form

Name - please print

Preferred name for badge

☐ Business mailing address or ☐ Home address (please check one)

City State Zip County, if Georgia

Home phone Work phone Fax

Email address ☐ Please send me e-mails about other Warnell Continuing Education programs.

Position Organization/employer

By registering for this event I agree to comply with all event and lodging cancellation policies.

Sustainability of Wood-Based Bioenergy Development

August 6-7, 2019

Early registration through July 16, 2019.....\$245.00

Regular registration.....\$295.00