

Climate Ecology and Tree Growth Workshop

September 25-30, 2016

Harvard Forest, Petersham MA

Agenda

Additional details are provided on the [Workshop Website](#)

**We will be meeting in the Fisher Museum located in the main building

Sunday - September 25

Arrive at Harvard Forest afternoon/evening, rest, relax, enjoy forest. Dinner will be served at 6:00 pm.

Monday - September 26

7:30 Breakfast

Morning (8:30 am – 11:50 am)

8:30 Welcome/Introduction to workshop

9:00 Short intros I (2 slides/3 minutes)

10:10 Break

10:30 Short intros II (2 slides/3minutes)

11:00 Plenary talk: Modeling dendroclimatic signals in eastern deciduous forest tree species (Edward R. Cook, Tree-Ring Laboratory, Lamont-Doherty Earth Observatory)

12:00 Lunch

Afternoon (1 pm – 5:30 pm)

1:00 Methods talk: Estimating above-ground forest biomass increment from ring-width and long-term census data (Andria Dawson, UC Berkeley and University of Arizona)

1:20 Methods talk: Individual tree analysis of climate-growth relationships (Dario Martin-Benito, Institute of Terrestrial Ecosystems, ETH Zürich)

1:40 Methods talk: Connecting structural change to forest health (Travis Andrews, University of Wisconsin-Madison)

2:00 Group discussion

- Objectives for workshop
- Review research topics (will follow from plenary talks)

3:10 Break

3:30 Break into working groups – groups generate specific research questions of interest relevant to workshop goals/objectives and research topics

- 5:30 End for day
- 6:00 Dinner

Tuesday - September 27

- 7:30 Breakfast

Morning (9 am – 11:50 am)

- 9:00 Plenary talk: The joint distribution of tree growth, survival, and fecundity across species, size, space, and time (Jim Clark, Nicholas School of the Environment, Duke University)
- 9:50 Methods talk: Forecasting future tree growth from tree-ring data, and combining tree-ring and forest inventory data (Margaret Evans, Laboratory of Tree-Ring Research, University of Arizona)
- 10:10 Break
- 10:30 Methods talk: Disentangling climate and ecology in tree growth using intervention detection (Daniel Druckenbrod, Department of Geological, Environmental, and Marine Sciences, Rider University)
- 10:50 Group discussion – compile set of research questions for the week and form initial working groups
- 12:00 Lunch

Afternoon (1 pm – 5:30 pm)

- 1:00 Working group session
- 2:30 Nature walk (David Orwig)
- 3:30 Working group session
- 5:30 End for day
- 6:00 Dinner

Evening

- 7:30 History of Dendrochronology (Edward R. Cook)

Wednesday - September 28

- 7:30 Breakfast

Morning (9:00 am – 11:50 am)

- 9:00 Working group session
- 11:00 Working group progress updates
- 12:00 Lunch

Afternoon (1 pm – 5:30 pm)

- 1:00 Lyford plot visit
- 2:30 Group discussion – form new working groups to address secondary research questions (or stay in original group if are happy and making progress)
- 3:00 Working group session
- 5:30 End for day
- 6:00 Dinner

Evening

Off-site dinner

Thursday - September 29

7:30 Breakfast

Morning (9:00 am – 11:50 am)

- 9:00 Working group session - compile summary reports
- 12:00 Lunch

Afternoon (1 pm – 5:30 pm)

- 1:00 Working group presentations/reports I
- 2:30 Break
- 2:45 Working group presentations/reports II
- 3:45 Group discussion – next steps, future collaboration, etc.
- 5:00 Workshop concluding remarks
- 6:00 Dinner

Friday - September 30

Depart Harvard Forest in the morning. Breakfast will be served at 7:30 am.