

RESTORING FORESTS:

What Constitutes Success in the 21st Century?

October 14-16, 2014

LAFAYETTE, INDIANA, USA



THIRD CIRCULAR

CONGRESS

SCIENTIFIC PROGRAMME

WORK GUIDELINES

REGISTRATION

FEES

This is the third circular and final call for abstracts for our IUFRO-sponsored 2nd Restoring Forests Congress to be held 14-16 October 2014 in Lafayette, Indiana USA (Purdue University). We have confirmed our invited speakers, which include some prominent international scientists representing a range of disciplines. The deadline for submission of oral and poster presentations is July 1!!

The 1st Restoring Forests Congress was held in September 2011 in Madrid, Spain and attended by more than 100 scientists representing 17 countries. A double special issue of *New Forests* was produced from the 1st Congress. The theme of the 2nd Congress is "What constitutes success in the 21st Century?". We will examine the continued evolution of the scope of forest restoration and re-explore the need to set realistic goals to achieve restoration success. Field tours will highlight the ongoing forest restoration research of the Hardwood Tree Improvement and Regeneration Center at Purdue University, featuring especially the role of genetics in ecological restoration.

Selected papers from the congress will once again be published in a special issue of *New Forests*. Please consider participating in the conference and forward this 3rd Circular to your colleagues, encouraging them to attend. Updated information can be found at the conference website: <https://www.purdue.edu/fnrff/>

PARTICIPATING IN THE CONFERENCE

Participants interested in presenting a communication or poster within the theme of the conference are invited to submit an abstract through the Restoring Forests website (<https://www.purdue.edu/fnrff/>). Abstracts must be written in English, of no less than 300 words, but not exceeding one A4 page (including title, authors, and affiliations) before 1 July 2014. Style of presentation (oral/poster) will be assigned according to relevance of topic and/or authors' preferences. Presentations are, however, not compulsory for participation.

The website will be updated regularly with details regarding registration, call for papers, and the deadline for abstracts submission.

Abstract Deadline July 1st!!

INFORMATION

<https://www.purdue.edu/fnrff/>
Contact Us





IUFRO DIVISIONS AND UNITS

- 1.01.00 – Temperate and Boreal Silviculture
- 1.06.00 – Silviculture. Restoration of degraded sites
- 2.01.00 – Physiology and Genetics. Physiology
- 3.02.00 – Stand establishment and treatment

IMPORTANT DATES TO REMEMBER

Opening registration date	1 June 2014
Deadline for abstracts submission	1 July 2014
Notification of abstract acceptance	15 July 2014
Deadline for early registration with reduced fees	15 August 2014
Deadline for registration with regular fees	30 September 2014

REGISTRATION FEES (US DOLLARS)

	NON STUDENTS (\$)	STUDENTS (\$)
EARLY REGISTRATION (BEFORE SEP 15)	300	200
LATE REGISTRATION (AFTER SEP 15)	400	300

The REGISTRATION FEE includes: welcome reception, gala dinner, lunches and breaks during the conference and field trip transport.

ORGANIZING COMMITTEE

- Douglass F. Jacobs.** Purdue University (USA)
- Juan A. Oliet.** Universidad Politécnica de Madrid (Spain)
- Charles H. Michler.** USDA Forest Service (USA)
- Robert D. Mangold.** USDA Forest Service (USA)
- Liz Jackson.** Purdue University (USA)

SCIENCE COMMITTEE

- James Aronson.** Center for Functional and Evolutionary Ecology, CNRS (France)
- Andreas Bolte.** Johann Heinrich von Thünen-Institute (Germany)
- James Bullock.** Center for Ecology and Hydrology (UK)
- Pablo Donoso.** Austral University (Chile)
- Simon Landhüsser.** University of Alberta (Canada)
- Palle Madsen.** University of Copenhagen (Denmark)
- Shaolin Peng.** South China Institute of Botany (Guangzhou, China)
- José M. Rey-Benayas.** Alcalá University (Spain)
- John Weber.** World Agroforestry Center (Mali)

INVITED SPEAKERS

John Stanturf	Center for Forest Disturbance Science, US Forest Service, Athens, GA. USA
Adrian Newton	Conservation, Ecology and Environmental Science Group, Bournemouth University, Poole. UK
Ellen MacDonald	Department of Renewable Resources, Faculty of Agricultural, Life & Environmental Sciences, University of Alberta, Edmonton, AB. CANADA
Pedro Villar-Salvador	Life Sciences Department. Universidad de Alcalá. Madrid. SPAIN
Barbara Hawkins	Centre for Forest Biology, University of Victoria, Victoria, BC. CANADA
Susana Bautista	Department of Ecology, Universidad de Alicante, Alicante. SPAIN
John Pedlar	Great Lakes Forestry Centre, Forest Service, Natural Resources Canada, Sault Ste. Marie, ON. CANADA
Carlton Owen	President, U.S. Endowment for Forestry & Communities, Inc. Greenville, SC. USA



PRELIMINARY PROGRAMME OF SYMPOSIUM

MONDAY 13 th October 2014	18:00 - 20:00	Registration and Welcome Reception
TUESDAY 14 th October 2014	7:30 - 8:30	Registration
	8:30 - 9:30	Welcome address by Organizing Committee
	9:30 - 10:00	Inaugural talk: <i>Future Landscapes: Opportunities and Challenges</i> . John Stanturf
	SESSION 1 - FOREST RESTORATION: OBJECTIVES, STRATEGIES AND NEEDS	
	10:00 - 10:30	Keynote speaker: <i>Restoration of Resilient Forests: an Achievable Goal or an Impossible Dream?</i> Adrian Newton
	10:30 - 11:00	Coffee break
	11:00 - 12:30	Oral communications and debate
	12:30 - 13:30	Lunch
	13:30 - 14:00	Keynote speaker: <i>To Mordor and Back: The Journey Towards Forest Restoration Following Oil Sands Mining</i> . Ellen Macdonald
	14:00 - 15:30	Oral communications and debate
15:30 - 16:00	Coffee break	
16:00 - 17:30	Oral communications and debate	
WEDNESDAY 15 th October 2014	8:00 - 8:30	Travel to J.S. Wright Forestry Center
	SESSION 2 - PRODUCING PLANT MATERIAL TO RESIST STRESS	
	8:30 - 9:00	Keynote speaker: <i>"Wood-Wide Web" - How specialized are tree mycorrhizae?</i> Barbara Hawkins
	9:00 - 10:30	Oral communications and debate
	10:30 - 11:00	Coffee break
	SESSION 3 - DRIVERS OF SEEDLING ESTABLISHMENT IN THE FIELD, PREDICTION OF EARLY PERFORMANCE	
	11:00 - 11:30	Keynote speaker: <i>Importance of Stored Nitrogen and Carbohydrates for Seedling Outplanting Performance</i> . Pedro Villar-Salvador
	11:30 - 12:30	Oral communications and debate
12:30 - 13:30	Lunch	
FIELD TRIP		
13:30 - 18:00	Field trip: Walking tour of Purdue University Martell Forest and Forestry & Natural Resources Farm	
THURSDAY 16 th October 2014	SESSION 4 - SITE PREPARATION FOR RESTORATION: EFFECTS ON SITE MICROCLIMATE AND SUBSEQUENT PLANT RESPONSE UNDER HARSH CONDITIONS	
	8:30 - 9:00	Keynote speaker: <i>Better Together or Apart? The role of Plant-Plant interactions and Spatial Patterns in Forest Restoration</i> . Susana Bautista
	9:00 - 10:00	Oral communications and debate
	10:00 - 10:30	Coffee break
	10:30 - 11:30	Oral communications and debate
	11:30 - 12:30	Lunch
	12:30 - 13:30	Poster Session
	SESSION 5 - THE ROLE OF GENETICS IN PRODUCING RESILIENT ECOSYSTEMS	
	13:30 - 14:00	Keynote speaker: <i>Science at the Speed of Need: A New Model for Modern Biotechnology to Address Forest Health Needs</i> . Carlton Owen
	14:00 - 14:30	Keynote speaker: <i>Assisted Migration and Forest Restoration under Climate Change: Golden Opportunity or Fool's Gold?</i> John Pedlar
	14:30 - 15:00	Coffee break
	15:00 - 16:30	Oral communications and final conclusions
	18:30 - 20:30	Gala Dinner



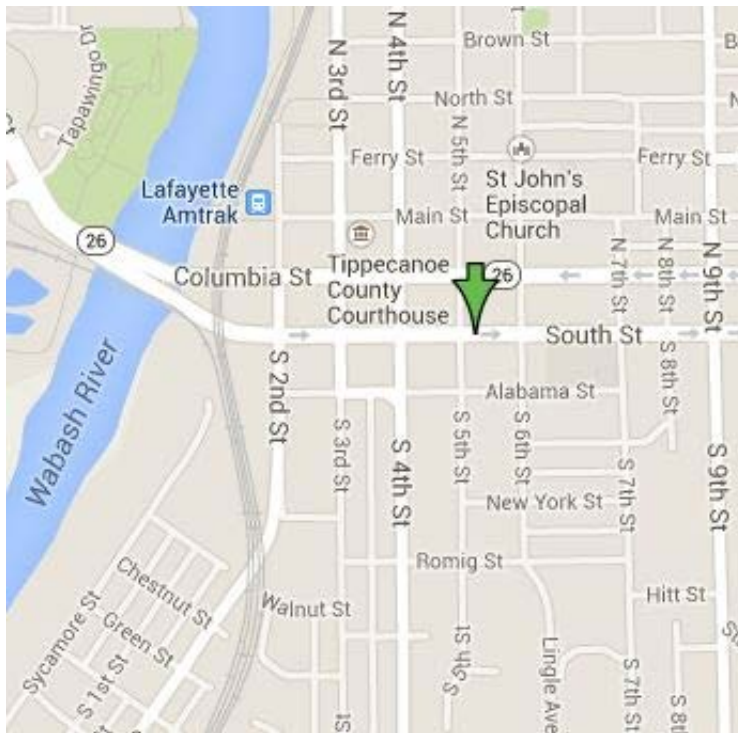
FIELD TRIP

Martell Forest is in the Central Till Plain of Indiana, located about 10 km west of Purdue University. It is 200 ha in size, mixed between natural and plantation forests. This site is used for research and teaching by students in the Department of Forestry and Natural Resources (FNR). We will conduct a walking field tour featuring forest restoration research of graduate students within the Hardwood Tree Improvement and Regeneration Center. Afterwards, we will travel by bus to another Purdue FNR farm to continue our tour. We expect to show exotic conifer plantations being converted to native hardwoods, afforestation hardwood plantation research, removal of exotic shrubs to facilitate regeneration of native hardwoods, and breeding orchards to produce blight-resistant American chestnut for restoration.

The visit will require several kilometers of walking at moderate pace. Alternative transport can be arranged upon request.



MAP & DIRECTIONS TO LAFAYETTE CITY CENTRE HOLIDAY INN



The main Congress venue will be the Holiday Inn Select located at 515 South St, in downtown Lafayette, Indiana. Hotel accommodations can be made at other hotels in proximity, see the website for hotel information. To reach the Congress venue, participants can fly into either Indianapolis airport (IND, 100 km) or Chicago O'Hare (ORD, 250 km). Commercial shuttle services are available from both airports directly to Lafayette / Purdue University. Additionally, train or bus transport is available from downtown Chicago directly to Lafayette. Please visit our website for more information.

