# 2017 NC-140 Annual Meeting

REGISTRATION DUE OCT 5, 2017

**Wenatchee, WA**

**Hosted by Stefano Musacchi**

**Department of Horticulture**

**Washington State University**

**November 14-15, 2017**

**Host**:

Stefano Musacchi (stefano.musacchi@wsu.edu), phone 509-663-8181 ext. 236. Mobile phone 509-415-9770.

**Logistics**:

Venue: the meeting will be held at the [Confluence Technology Center (CTC),](https://www.google.it/maps/place/Confluence%2BTechnology%2BCenter/%4047.4635426%2C-120.3325116%2C17z/data%3D%213m1%214b1%214m5%213m4%211s0x549bcb0a4d0a7427%3A0xf0ca7acb1418c220%218m2%213d47.463539%214d-120.3303229) address: 285 Technology Center Way #102, Wenatchee, WA 98801 on November 14 and 15.

Hotel: [COMFORT SUITES 195 East Penny Road Wenatchee](https://www.google.it/maps/place/Comfort%2BSuites/%4047.4654986%2C-120.3346997%2C17z/data%3D%213m1%214b1%214m5%213m4%211s0x549bcb098c2d8257%3A0x7687ef1b9a3357bd%218m2%213d47.465495%214d-120.332511) is close (walking distance) to the Confluence Technology Center. Each participant needs to reserve his own room calling the Hotel and provide his own credit card number. Make reservations by contacting Landon (Sales Director) at 509-662-1818 ext. 411. I set aside 36 double bedrooms and 16 king bedrooms (the cost is the same). Total 52 rooms.

Rooms are under my name: Stefano Musacchi, NC-140 Meeting.

The best price I was able to obtain is $124.20 per night, breakfast included.

I reserved the rooms for 3 nights: from November 13th (check in) to November 16th (check out). If you are travelling in a different day [please make specific arrangements directly with Landon, hotel director.

**Deadline for Hotel reservation is October 5th, 2017.**

**Air Transportation:**

We have only one company Alaska Airline that fly to Wenatchee. We have three flights per day to and from Wenatchee.

**Departures from Seattle: 10:23 am, 5:20 pm, 11:55 pm**

**Departures from Wenatchee: 5:58 am, 11:58 am, 6:42 pm**

**Other travel possibility**

**Wenatchee Valley Shuttle:** this shuttle will leave the train station of Wenatchee and drop you at the SEA-TAC airport terminal and vice versa. It is a nice alternative. It will take 3 hours of drive.

The Schedule will change at the end of August (August 31). Please check on line for this option at the following web page:

https://www.wenatcheevalleyshuttle.com/schedules

**Taxi in Wenatchee**

The airport is 25-30 minutes away from the Hotel. ***The Hotel doesn’t provide shuttle service.***

Taxi late in the evening need to be reserved in advance. Here a list of the Taxi company available.



<https://www.facebook.com/AppleCityTaxiAndDeliveryService/?ref=aymt_homepage_panel>

<http://applelandtaxi.wixsite.com/applelandtaxi>

<http://www.acchecker.com/>

**Registration**

Registration can be done on line at: <http://www.brownpapertickets.com/event/3018932>

Registration fee will be $120.00 payable via credit card. Registration includes use of the meeting facilities with refreshment breaks, lunch on Tuesday and Wednesday, transportation to the Horticulture Research Farm Sunrise (SRO) to view NC-140 plantings and then onto Legacy orchard (McDougal & son company). **Please register by October 5th.**

**Meeting Agenda:**

**Monday November, 13.**

* Travel day

**Tuesday November, 14**

**7:30-8:00 Registration**

**8:00. Meeting opening**

* Welcome and Agenda Approval/Corrections
* TFREC- WSU Administrative Welcome (Jim McFerson – Center Director)
* Washington Tree Fruit Research Commission Welcome (Mike Willett - WTFRC Manager)
* Approval of 2016 minutes
* Introduction of members
* Administrative report by Ron Perry
* Web site update (Jon Clements)
* Report from Mike Parker about the new NC-140 just approved

**9:00-11:30 Rootstock trial reports**

**Each trial coordinators will present a power point (5-10 slides in total) with the scheme of the trial, the list of rootstocks, the list of participants and main results of the trial). Each coordinator will have 15 minutes including the discussion with the group.** *(If you are not attending the meeting please identify your substitute and communicate his name to the organizer).*

*2009 Pear Rootstock – Rachel Elkins 15 minutes*

*2009 Peach Rootstock – Greg Reighard 15 minutes*

*2009 Peach Physiology – Rich Marini (Final report)* *15 minutes*

*2010 Apple Rootstock – Wes Autio - 15 minutes*

*2010 Sweet Cherry Rootstock & Training Systems – Greg Lang 15 minutes*

*2013 Pear training/spacing/rootstock - Todd Einhorn 15 minutes*

*2014 Apple Rootstock – John Cline 15 minutes*

*2014 Organic Apple rootstock – Wes Autio 15 minutes*

**11:30-12:00 am Future trials discussion**

* Greg Lang volunteered to coordinate apricot and cherry trials. Update of the situation.
* Stefano Musacchi and Todd Einhorn will coordinate future apple trials. Planting will be delayed one year 2018. Update of the situation.
* Discussion about a plum rootstock trial; need coordinator.

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| **Year** | **Coordinated Trial Interim Reports** | **Coordinated Trial Final Reports** | **New Coordinated Trials Planned** |
| 2017 | 2010 Sweet Cherry Systems | 2009 Peach Physiology | 2017 Sweet Cherry2017 Tart Cherry2017 Peach  |
| 2018 | 2013 Pear Systems | 2009 Peach | 2018 Apple2018 Pear |
| 2019 | 2014 Honeycrisp Apple2014 Fuji Apple | 2009 Pear | 2019 Apricot/Plum |
| 2020 | 2015 Organic Modi Apple  | 2010 Sweet Cherry Systems2010 Honeycrisp Apple2010 Fuji Apple | 2020 Sweet Cherry 2020 Tart Cherry |
| 2021 |  |  | 2021 Apple? |
| 2022 | 2017 Sweet Cherry2017 Tart Cherry2017 Peach | 2013 Pear Systems |  |

*Table from the project just approved.*

**Lunch 12:00-1:00 pm**

**1:00-4:30 pm State reports**

State Agricultural Experiment Stations: MN MI IA NM MA UT MO KY GA WA NC PA SC ME VA (15 states). Limit discussion to 15 minutes per state (highlights only). Summary Power Point slides admissible; details found in web page reports.

1. Georgia
2. Iowa
3. Kentucky
4. Maine
5. Massachusetts
6. Michigan
7. Minnesota
8. Missouri
9. New Mexico
10. North Carolina
11. Pennsylvania
12. South Carolina
13. Utah
14. Virginia
15. Washington

**4:30-5:00 Break**

**5:00-6:30 Open meeting with nursery and industry.**

* Scott Harper (Clean Plant Center) Washington State University. (Already contacted confirmed)
* Bill Howell (Northwest Nursery Improve Institute) (NNII). (Already contacted confirmed)
* Mike Willet (Washington Tree Fruit Research Commission). (Already contacted confirmed)
* Discussion about nursery priorities in rootstocks research

**Tuesday Dinner – organized by local host but NOT included in registration fee (covered by each participant).**

**Wednesday November, 15.**

**Wednesday**

**8:00-10.00 am Student presentations**

* Each student will have 10 minutes total including the questions to present his activity

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| --- | --- | --- | --- | --- | --- |
|  | Student name  | Advisor name | Email address  | Department and University Affiliation | If you are accepted you will be expected to give a 5 min talk at the meeting. Please give us a title and 3 to 4 sentences explaining your thesis topic area.  |
| 1 | Ali | Gennaro Fazio | asa229@cornell.edu | Cornell university, School of Integrative Plant Science, Horticulture Section | Growth and fruiting performance of Honeycrisp apple grafted on 8 rootstocks in response to soil pH. S |
| 2 | Sarah Kostick  | Kate Evans  | sarah.kostick@wsu.edu  | Department of Horticulture, Washington State University | Pyrus rootstocks for the Pacific Northwest. The objective of this project is to identify potential Pyrus genotypes that could be further assessed as potential rootstock cultivars in replicated trials.  |
| 3 | Nadia Valverdi | Lee Kalcsits | nadia.valverdi@wsu.edu | Horticulture, Washington State University | Response of Different Rootstocks for Apple Trees to Abiotic Stress:  |
| 4 | Sheriden Hansen | Dr. Brent Black | sheridenmoon@gmail.com | Plants, Soils and Climate; USU | My thesis deals with renewal pruning and hedging of tart cherry trees on Gisela 3, Gisela 5, and Mahaleb rootstocks.  |
| 5 | Emily Lavely | Richard Marini | ekn5016@psu.edu | Plant Science at Penn State University | One of the biggest challenges facing apples growers world-wide is apple replant disease.  |
| 6 | James Larson | Greg Lang | larso102@msu.edu | Michigan State University- Horticulture | "Whole tree renewal treatment effects on sweet cherry".  |
| 7 | Bruno Casamali | Dario Chavez | bcasamali@uga.edu | The University of Georgia | Title: OPTIMUM IRRIGATION AND FERTILIZATION RATES FOR YOUNG PEACH TREES IN THE SOUTHEASTERN UNITED STATES. T  |
| 8 | Rebecca Wiepz | James Schupp | rjw54@psu.edu | Plant Science, Penn State University | Mycorrhizal innoculants on apple. My thesis topic area is still being determined so I would more likely discuss Dr. Schuppâ€™s current research regarding the application of proprietary Mycorrhizal innoculants.  |
| 9 | William Wheeler | Bruce Bugbee | wd.wheeler@aggiemail.usu.edu | Department of Plants, Soils and Climate - Utah State University | We are seeking to quantify physiological response to imposed drought stress of as many varieties of cherry rootstocks as possible to provide the best planting and irrigation recommendations for cherry growers in the arid western United States.  |
| 10 | Brendon Anthony | Stefano Musacchi | stefano.musacchi@wsu.edu  | Horticulture - Washington State University | My thesis involves the evaluation and optimization of leaf area and crop load management in Cosmic Crisp |
| 11 | Stefan Roeder | Stefano Musacchi | stefano.musacchi@wsu.edu | Washington State University - Department of Horticulture - Graduate Student | New potential pollinizers for apple orchards -  |
| 12 | Peter C. Herzeelle | Terence Robinson and Greg Peck | tlr1@cornell.edu, gmp32@cornell.edu | Professor and Assistant Professor, Horticulture Section, School of Integrative Plant Science, Cornell University | Bloom thinning treatments in New York utilizing the Pollen Tube Growth Model.  |

**10:00–11:00 am**

* State Reports left
* Other administrative discussion.
* Meeting Wrap up

**11:00-12:00 am**

* Early Lunch

**12:00**

* Departure to visit WSU Sunrise Orchard (SRO)

**12:30- 2:30 pm Visit WSU Sunrise Orchard (SRO) trials**

* Nc140 trials *2014 Apple Rootstock – Honeycrisp*
* *Cosmic Crisp rootstocks and Training system trial*
* *Cosmic Crisp top graft trial (Single, double and Triple axis)*

**2:30 pm Travel to Legacy Orchard - McDougal & Sons, Inc**

**3:00-4:30 pm**

* Orchard Tour
* Cherry rootstock trial (dwarfing rootstocks) -Washington Tree Fruit Research Commission

**5:00 pm Return to the Hotel**

**Wednesday dinner on your own**

**Thursday November, 16.**

* Travel day.

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