**Minutes: NE-1335 Resource Management in Commercial Greenhouse Production**

**Annual Meeting – July 17&18, 2018, Columbus, Ohio**

**Attendees**

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| Neil Mattson | Cornell University |
| Roberto Lopez | Michigan State University |
| Ricardo Hernandez | North Carolina State University |
| Chieri Kubota | Ohio State University |
| A.J. Both | Rutgers University |
| Robin Brumfield | Rutgers University |
| Timothy Shelford | Rutgers University |
| Tom Manning | Rutgers University |
| Murat Kacira | University of Arizona |
| Gene Giacomelli | University of Arizona |
| Celina Gomez | University of Florida |
| Rich Gates | University of Illinois at Urbana-Champaign |
| Stephanie Burnett | University of Maine |
| John Erwin | University of Minnesota |
| Ellen Paparozzi | University of Nebraska-Lincoln |
| Ryan Dickson | University of New Hampshire |
| Jennifer Boldt | USDA |

**Meeting schedule:**

**Tuesday July 17th ‘Cultivate 2018 Visiting & Campus Tour Day’**

**9:00 – 1:30 PM:** Cultivate 2018 Tradeshow visit

**2:00 – 4:20 PM:** OSU Campus tour

* Ornamental Plant Germplasm Center (Host: Pablo Jourdan)
* Greenhouse CEA research projects (Host: Chieri Kubota)
* Chadwick Arboretum (Host: Mary Maloney)

**5:00 PM:** Organized dinner in Wolf’s Ridge Brewing

 Wolf’s Ridge Brewing (215 N 4th St, Columbus, OH; Phone (614) 429-3936)

**Wednesday July 18th ‘Business Meeting & Station Reports’**

**8:00 AM – 8:30 AM:** Registration/check in (Howlett Hall Room 116, 2001 Fyffe Ct, Columbus, OH) (Campus Parking information is available upon request)

**8:30 – 10:00 AM:** Business Meeting

* Welcome from meeting host, Dr. Chieri Kubota
* Words of welcome, Dr. Terry Niblack, senior associate dean, College of Food, Agricultural, and Environmental Sciences
* Technical Advisor report (Adel Shirmohammadi, via Zoom)
* Introductions from members and approved 2017 minutes
* NE-1335 project renewed to NE1875 (Rosa Raudales)
* Reach out to new members
	+ U of Arkansas position and Paul Fisher
	+ Invite and merge with industry and NC101 CEA group
* Updates on member collaborative research and grant activities
	+ Cornell and Rutgers working on energy grant for CEA
	+ Stephanie Burnett has “Water and Nutrients” book through Ball publishing
	+ 10 years in CEA research with John Erwin and Floriculture Research Alliance
	+ USDA SCRI project involving Cornell, Rutgers, Utah State
	+ Roberto Lopez, book ‘Lighting in Controlled Environment Agriculture’
	+ Rosa initiating new Hydroponics Book
	+ Proposed group talks or 15-20 minute sessions at Cultivate next year
	+ Proposed to continue trade journal series, need to have trade articles produced from this group
* Discussion on joint outputs (annual article series, hydroponics text book)
	+ John Erwin plantgrower.org
	+ Celina will share with the group more info on Plant Collegiate Association
	+ Classes on “bring a friend to class, give them a plant”
* Nomination and election of incoming secretary
	+ New Secretary is Celina Gomez (UF)
	+ New Chair is Ryan Dickson (UNH)
* Meeting location 2019
	+ Proposed June of next year, potentially in California
	+ Neil and Roberto are organizers
	+ Combined with NCR101 meeting, Murat is going to reach out to Mark L. from NCR101 and see if they will host. Ryan and Murat will get together to ask leader of NCR101 group

**10:00 AM – Noon:** Grad student presentations and station reports (10 minutes each including a couple minutes for questions) \*all times strictly timed to keep us on schedule\*

* Student travel award presentation (10 mins): Kellie Walters, MSU
* Student presentation competition (5 mins each, with posters viewed during lunch)
	+ Wee Fong Lee
	+ Charlie Garcia
	+ Dan Gillespie
	+ Tom McKean
	+ Olivia Sanchez
* Stations reports (10 minutes each including time for questions, strictly timed)

**Noon – 1 PM:** Lunch and posters

**1:00 PM – 3:00 PM:** Station Report (cont.)

**3:00 PM:** Meeting adjourned.