**Workshop on Water and Energy Innovation for Food Security and Environmental Sustainability**

**Time table of the presentations**

| **Time** | **Presenter** | **Topic** | **University/Institution** |
| --- | --- | --- | --- |
| 8:30-8:40 | Dean of the College | Welcome attendants | China Agricultural University |
| **Session 1 Chair: Dr. Taisheng Du** |
| 8:40-9:10 | Sam Fernald | Water resources management | New Mexico State University |
| 9:10-9:40 | Ping Guo | Agricultural water-saving potential and risk assessment under uncertainty | China Agricultural University |
| 9:40-10:10 | Michel Genard | “Virtual Fruit”, a process-based model of fruit growth and quality | French National Institute for Agricultural Research |
| 10:10-10:30 | Break, take a photo together |
| **Session 2 Chair: Dr. Sam Fernald** |
| 10:30-11:00 | Taisheng Du | Deficit irrigation in arid region of China | China Agricultural University |
| 11:00-11:30 | Francoise Lescourret | Potential of QualiTree, a virtual fruit tree, to study the management of fruit quality under biotic and abiotic constraints | French National Institute for Agricultural Research |
| 11:30-12:00 | Fengxin Wang | Effects of irrigation methods and plastic mulch on soil temperature，aeration and potato growth in an arid region of Northwest China | China Agricultural University |
| 12:00-13:30 | Lunch (23rd floor, Jinma Hotel) |
| **Session 3 Chair: Dr. Ping Guo** |
| 13:30-14:00 | Clinton Cleon Shock | Optimization of horticultural production using drip irrigation | Oregon State University |
| 14:00-14:30 | Manoj K. Shukla | Irrigation with saline groundwater and RO concentrate for food security in arid areas | New Mexico State University |
| 14:30-15:00 | Xiaomin Mao | CropSPAC and its application on spring wheat growth and the farmland water and soil dynamics in Northwest China | China Agricultural University |
| 15:00-15:30 | Rajan Ghimire  | Monitoring and modeling wheat yield using a DAYCENT model | New Mexico State University |
| 15:30-15:50 | Break |
| **Session 4 Chair: Dr. Clinton Cleon Shock** |
| 15:50-16:20 | Zohrab A. Samani | Updated presentation on the recent advances in remote sensing | New Mexico State University |
| 16:20 – 16:50 | Risheng Ding | ET monitoring and calculation in Northwest China | China Agricultural University |
| 16:50 – 17:20 | Catherine Elizabeth Brewer | Biomass thermochemical processing for water and energy sustainability | New Mexico State University |
| 17:20 – 17:50 | Zhidan Liu | Research on energy technology of waste, waste water and microalgae | China Agricultural University |