



Save the Date

**Operations Research in Plant Breeding**  
**(May 22 – May 26, 2017)**

Did you know that efficiencies of plant breeding designs can be measured? Thus, there exist most efficient and less efficient designs and there are methods to systematically design most efficient breeding projects.

*Premise:* Successful plant breeders in the 21<sup>st</sup> Century will be able to design genetic improvement projects by systematically addressing trade-offs among competing objectives using the same methods that have been used to optimize communication, energy, management and manufacturing systems.

*Synopsis:* Participants will learn rational and systematic design principles to translate project objectives into objective mathematical functions and use off-the-shelf software to design optimal breeding projects. The primary pedagogical approach will be team based learning using case studies.

*Venues:*

- Online interactive access provided by Brenton Center
- On campus at Iowa State University in Ames, Iowa

*Instructors:*

Deniz Akdemir, Michigan State University  
Bill Beavis, Iowa State University  
John Cameron, Iowa State University  
Ye Han, Iowa State University  
Reka Howard, University of Nebraska Lincoln  
Lizhi Wang, Iowa State University

*More information:*

<http://register.extension.iastate.edu/plantbreeding/register>